

**National Aeronautics and
Space Administration**

&

Moon to Mars Campaign

&

**Agency Investments in Climate Change
Research and Technology**

Economic Impact Study



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**Nathalie P. Voorhees Center
for Neighborhood and
Community Improvement**

Acknowledgements

The Nathalie P. Voorhees Center for Neighborhood and Community Improvement (Voorhees Center) is an applied research and technical assistance unit in the College of Urban Planning and Public Affairs at the University of Illinois Chicago. Its mission is to promote quality of life and wellbeing by assisting and working with local organizations, government entities and other stakeholders in efforts to understand and develop communities.

Project Team:

Yittayih Zelalem, UIC Voorhees Center Director and PI

Joshua Drucker, Associate Professor of Urban Planning and Policy

Zafer Sonmez, Research Associate

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EXECUTIVE SUMMARY

This study is an assessment of the economic impacts of the National Aeronautics and Space Administration (NASA), the agency's Moon to Mars (M2M) campaign, and their investments in climate change research and technology for the Fiscal Year (FY) 2021. The assessment consists of three parts. The first part presents the estimation of NASA impacts on the U.S., each of the fifty (50) states, and Washington, D.C. The second and third parts analyze economic impacts attributable to the M2M campaign and the investments in climate change research and technology, respectively, on the same set of regions. The purpose of the economic impact assessment is to quantify the changes in employment, income, levels of business activity, and government revenue throughout the entire economy that result from NASA's activities, the M2M campaign and investments in climate change research and technology expenditures.

National Aeronautics and Space Administration (NASA)

NASA supports hundreds of thousands of jobs and contributes billions of dollars of tax base for states and the nation. This report tracks and details economic impact of NASA expenditures across the United States, in the fifty states, and Washington, D.C. for the Fiscal Year 2021. The report estimates the economic benefits generated directly by NASA along with the very substantial additional economic activity created through the purchasing actions, labor income, and consumption spending that follow from the operations of the NASA centers and programs.

At the national level, NASA has 17,736 full-time equivalent (FTE) jobs, paying more than \$3.2 billion in annual wages and benefits (Fiscal Year 2021). Yet NASA's economic impact goes well beyond its immediate employment footprint. Wide-ranging benefits are created for local and state economies as well as the U.S. economy as NASA contracts for goods and services boost activity throughout the economy. The more than \$21.2 billion in contracting activity (including pcard transactions) originating from NASA is very diverse, involving varied sets of manufacturing and service production sectors. Total NASA contracting and labor income amounts to \$24.5 billion (including \$3.252 billion of labor income + \$21.173 billion of procurement activity + \$61 million of pcard spending).

The impact estimates reported in this study are the sum of three channels of economic impact: (1) the direct contribution of NASA's own activities; (2) indirect (contracting) activities within NASA's U.S. supply chain; and (3) the induced effect that results as federal civil servants at NASA facilities, employees of contractors, and employees within the supply chain of those contractors spend their wages in the wider consumer economy. Some highlights of the economic impacts that occur throughout the national economy from the activities of NASA include:

- The total employment sustained by NASA across the U.S. is estimated to be 339,645 jobs.¹

¹ Jobs are reported as an annualized combination of full- and part-time jobs based on the average output per employee for a given industry.

- At the national level, NASA supports labor income of \$25.7 billion per year and an estimated economic output of \$71.2 billion annually. The approximately \$75,855 in average annual labor income per job is 18% greater than the average across the U.S. economy (\$64,498). The difference between average labor income (including wages and benefits) for a NASA civil servant (\$168,361) and the U.S. average (\$64,498) is much more significant (261% of the U.S. average), reflecting the highly skilled and high-paid nature of NASA jobs compared to the average job in the U.S. economy.
- NASA generates an estimated \$7.7 billion in federal, state, and local tax revenues throughout the U.S. annually.
- For every FTE job located at a NASA facility, nearly 18 additional jobs are supported throughout the U.S. economy.² For each million dollars of labor income earned by NASA civil service employees, an additional \$6.9 million of labor income is generated in the U.S. And for each million dollars-worth of output produced by NASA, an additional \$7.2 million of output—consisting of both intermediary inputs and consumption goods and services—is produced throughout the national economy. These figures are boosted by the large volume of procurement spending administered through NASA.³
- The top ten most impacted sectors account for approximately half of total NASA employment impacts. Scientific research and development services is the most affected sector—20 percent of total NASA impacts are concentrated in this sector.
- NASA impacts are concentrated geographically as well. The top ten most impacted states account for 90% of total NASA employment impacts. These states are California, Texas, Alabama, Florida, Maryland, Virginia, Colorado, Ohio, Mississippi, and Utah. Impacts on Washington, Arizona, Massachusetts, Louisiana, and New York also are relatively large. Figures 1 and 2 below illustrate the employment and output impacts of NASA across the states.
- Approximately 28% of overall NASA agency impacts in the U.S. are attributable to the M2M campaign. The M2M-specific employment accounts for 2% of overall NASA employment impacts while M2M-related procurement accounts for 26% of overall NASA employment impacts.

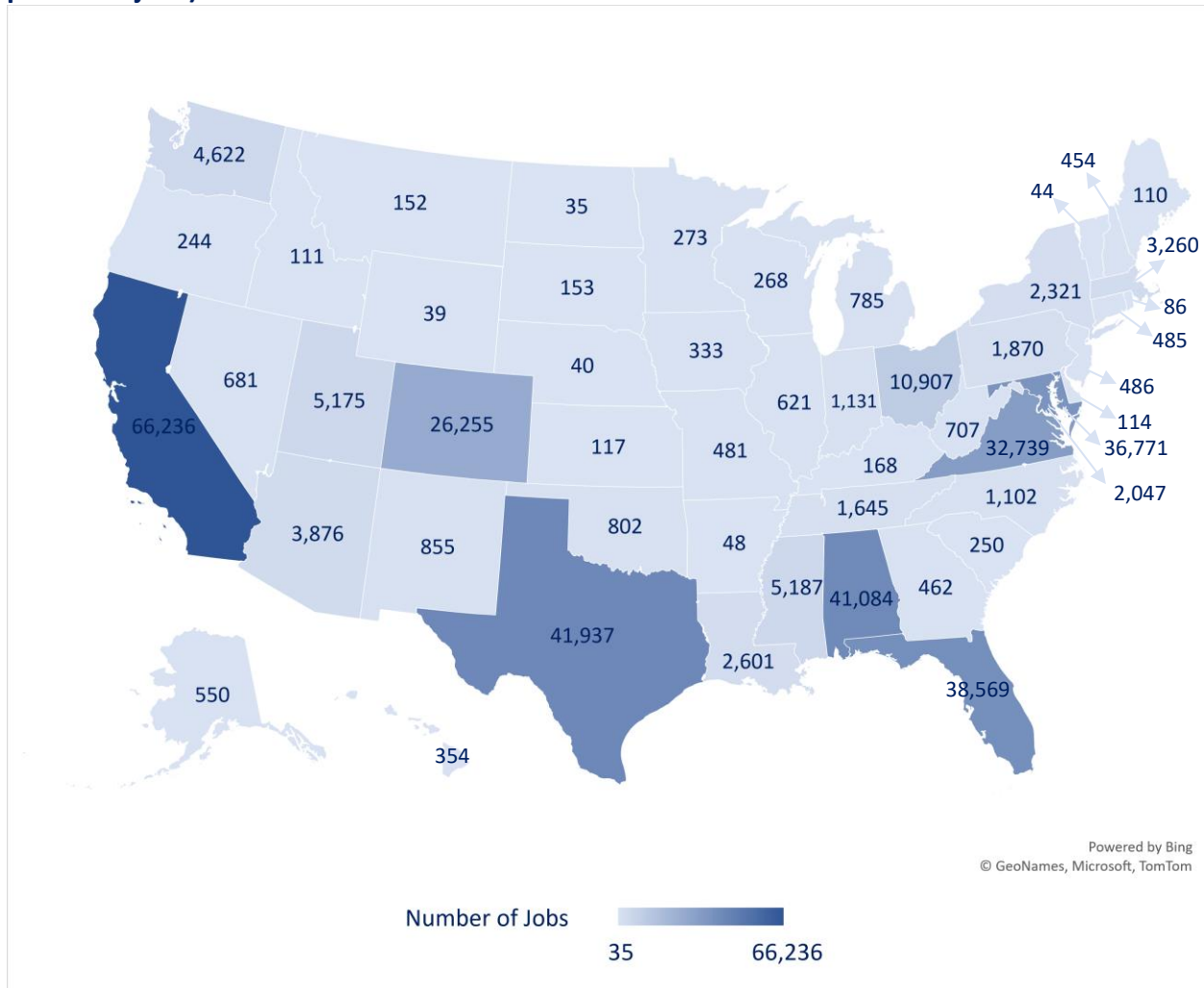
² “Supports” means partial or full support. We use “supported” instead of “created” to be conservative in our attribution of impacts to NASA. While NASA activities create new positions in some sectors of the economy, in many instances NASA helps sustain existing jobs in the economy.

³ The multipliers reported here are larger than is typical for this kind of study because of the volume of NASA contracting activity, all of which is classified as indirect impact. Additional multipliers calculated in the “conventional” way are reported in the Appendix. Two sets of multipliers are presented: one set for NASA employment and one for NASA procurement spending.

- Approximately 11% of overall NASA agency impacts in the U.S. are attributable to the Climate Change activities. The Climate Change-specific employment accounts for 1% of overall NASA employment impacts while the Climate Change-related procurement accounts for 10% of overall NASA employment impacts.⁴

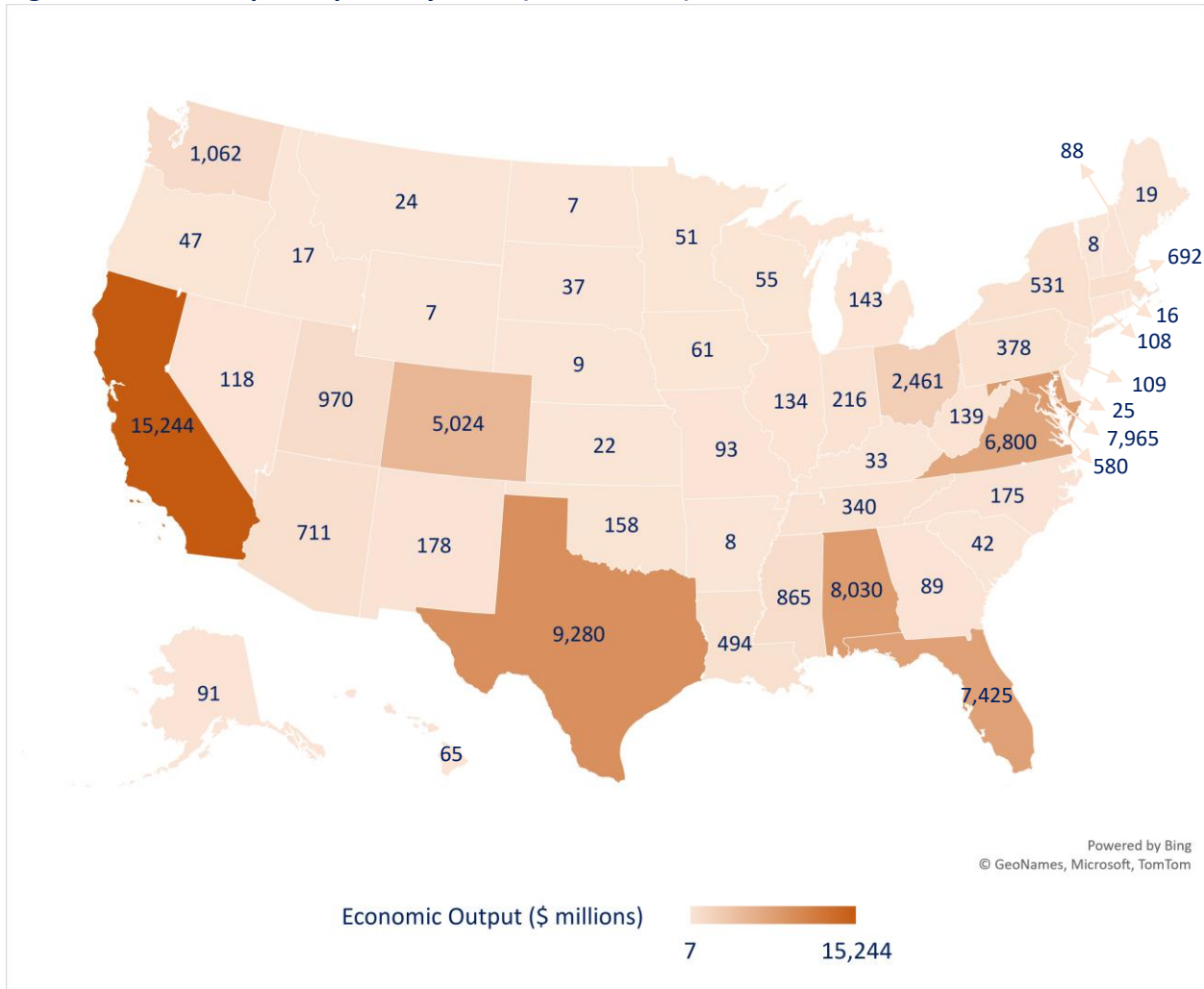
Figures 1 and 2 below illustrate the employment and output impacts of NASA across the states.

Figure 1: NASA Employment Impacts by State (employment consists of combination of full- and part-time jobs)



⁴ NASA impacts are inclusive of all M2M and Climate Change impacts discussed in the following pages.

Figure 2: NASA Output Impacts by State (in \$ millions)



Moon to Mars (M2M) Campaign

NASA’s human lunar exploration plans under Artemis include sending the first woman and first person of color to the surface of the Moon and establishing sustainable exploration by the end of the decade. Working with U.S. companies and international partners, NASA will uncover new scientific discoveries and lay the foundation for long-term lunar exploration and development. The agency will use what it learns on the Moon to prepare for humanity’s next giant leap – sending astronauts to Mars.

It all starts with U.S. companies delivering scientific instruments and technology demonstrations to the lunar surface, followed by a spaceship, called the Gateway, in orbit around the Moon that will support human and scientific missions, and human landers that will take astronauts to the surface of the Moon. The agency’s powerful Space Launch System rocket and Orion spacecraft are the backbone to building the Gateway and transporting astronauts to and from Earth.⁵

⁵ Information obtained from: <https://www.nasa.gov/topics/moon-to-mars>

NASA's Moon to Mars (M2M) campaign employs thousands of highly paid skilled professionals, and the U.S. government channels billions of dollars of federal spending on M2M into the states in the form of contracts. At the national level, NASA has 2,474 FTEs to support the M2M campaign, paying more than \$440 million in annual wages and benefits. The M2M campaign's economic impact goes well beyond its immediate economic footprint represented by the employment of NASA civil servants. Wide-ranging benefits are created for the local and state economies as well as the U.S. economy as NASA's contracting for goods and services boosts economic activity elsewhere in the country. The nearly \$6.7 billion in M2M contracting activity originating from NASA headquarters and centers involves almost every major category of manufacturing or service production. M2M contracts to firms, government agencies, and academic institutions not only support the U.S. aerospace industry but also result in advanced development and innovative solutions in areas including materials, structures, avionics, software, and analysis techniques.

Some highlights of the economic impacts that occur throughout the national economy from M2M activities include:

- The estimated amount of employment generated by M2M activities across the U.S. is 93,731 jobs.⁶
- The M2M campaign supports labor income of \$7.1 billion per year and an estimated economic output of \$20.1 billion annually.
- The M2M campaign generates an estimated \$2.2 billion in federal, state, and local tax revenues throughout the U.S. each year.
- For every (FTE) civil service job located at NASA centers related to M2M, nearly 37 additional jobs are supported throughout the U.S. economy. For each million dollars of labor income earned by M2M-assigned NASA employees, an additional estimated \$15.2 million of labor income is generated in the U.S. And for each \$1 million worth of output produced by the M2M campaign, an additional \$15.7 million of output—consisting of both intermediary inputs and consumption goods and services—is produced throughout the national economy. These figures are exceptionally large because of the extremely high volume of procurement spending relative to civil service employment.
- Finally, Figures 3 and 4 below illustrate the employment and output impacts of the M2M campaign across the states. Alabama, Colorado, Texas, California, Florida, Utah, Washington, Virginia, Ohio, and Louisiana are the most impacted states, respectively. These ten states account for 96 percent of all M2M-related employment impacts. As a share of overall NASA impacts, M2M campaign impacts are heavily concentrated in some states. Among the top ten most impacted states (by the M2M campaign), more than half

⁶ The M2M impacts are completely a subset of the NASA impacts discussed in the previous page.

of the NASA impacts in Utah, Washington, Alabama, and Colorado are attributable to the M2M campaign (Figure 5).

Figure 3: M2M Employment Impacts by State (employment consists of combination of full- and part-time jobs)

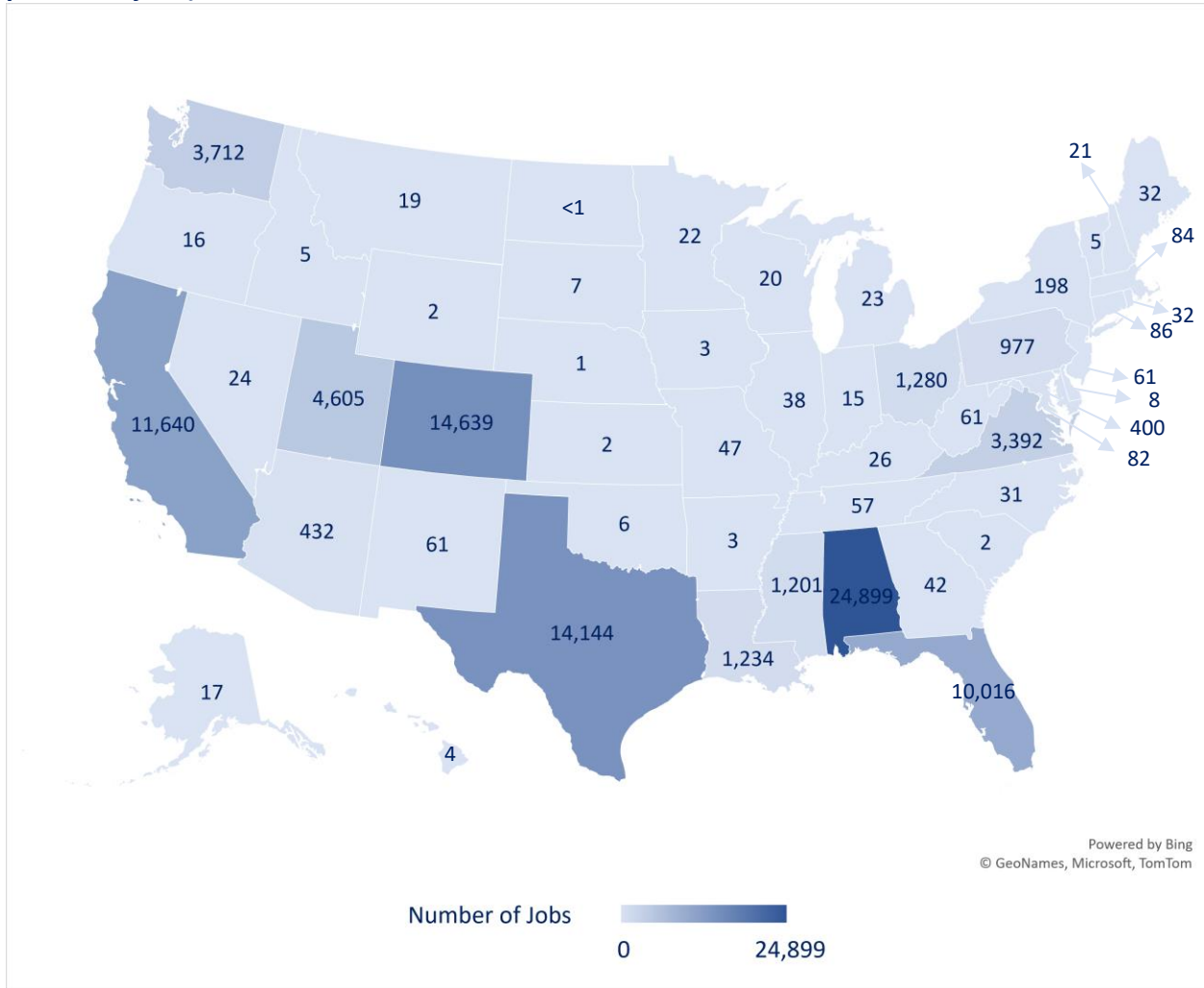


Figure 4: M2M Output Impacts by State (in \$ millions)

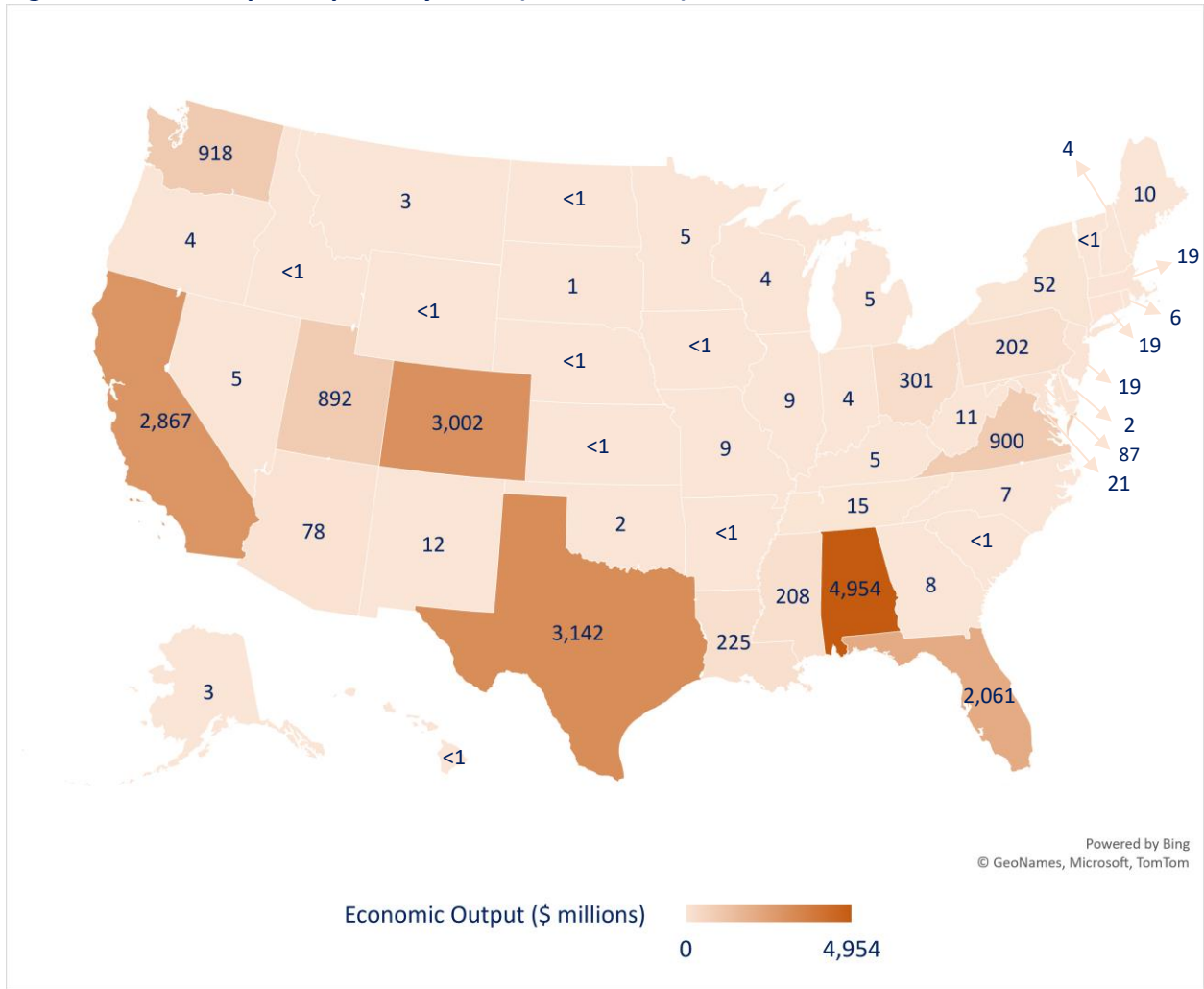
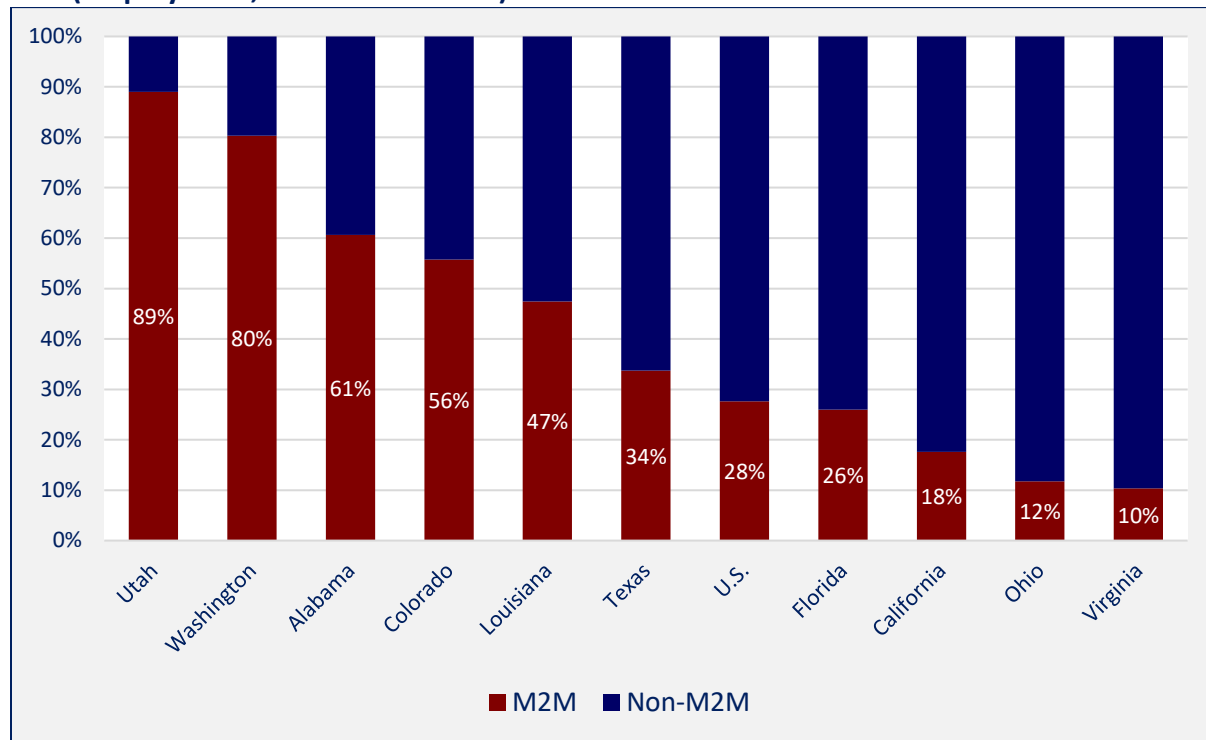


Figure 5: Share of M2M Campaign Impacts in Overall NASA Impacts for Top Ten States and U.S. (employment, based on FY 2021)



Investments in Climate Change Research and Technology

NASA is a global leader in studying Earth’s changing climate. The agency’s observations of Earth from space, the air, and on the ground are helping humans learn how the interconnected systems of the planet interact.

NASA has a broad climate research program. Among the many areas NASA studies are greenhouse gases, temperature change, changes in sea ice and land ice, sea level rise, clouds and precipitation, and air pollution. NASA also develops technologies that can be used to mitigate or adapt to climate change, like sustainable aviation technologies.

In addition to providing the nation and world with unique climate observations, analysis, and modeling, this research helps NASA better assess the impacts of climate change on its mission and ensure the resiliency of its facilities and assets. NASA’s capabilities in researching Earth and its atmosphere will continue to be critical in understanding causes and effects of temperature changes, sea level rise, and other major climate changes.⁷

NASA’s investments in climate change research and technology employs thousands of highly paid skilled professionals, and the U.S. government channels billions of dollars of federal spending into the states in the form of contracts. At the national level, NASA has 1,844 FTEs to support the investments in climate change research and technology, paying approximately \$330 million in

⁷ Information obtained from: https://climate.nasa.gov/nasa_science/history/

annual wages and benefits. The agency's investments in climate change research and technology goes well beyond its immediate economic footprint represented by the employment of NASA civil servants. Wide-ranging benefits are created for local, state, and national economies as NASA's contracting for goods and services boosts economic activity elsewhere in the country. Approximately \$2.2 billion in contracts originating from NASA headquarters and centers involve different categories of manufacturing or service production. The agency's investments in climate change research and technology contracts to firms, government entities, and academic institutions help the U.S. maintain its global leadership role in collecting and disseminating systematic climate data that are increasingly critical to many aspects of life on Earth from agriculture to energy and national security.

Some highlights of the economic impacts that occur throughout the national economy from NASA climate change research and technology investments include:

- The estimated amount of employment generated through NASA's investments in climate change research and technology across the U.S. was 37,005 jobs.⁸
- The agency's investments in climate change research and technology supports labor income of \$2.7 billion per year and an estimated economic output of \$7.4 billion annually.
- NASA's investments in climate change research and technology generates an estimated \$810 million in federal, state, and local tax revenues throughout the U.S. each year.
- For every (FTE) civil service job located at NASA centers related to investments in climate change research and technology, 19 additional jobs are supported throughout the U.S. economy. For each million dollars of labor income earned by investments in climate change research and technology-assigned NASA employees, an additional \$7.2 million of labor income is generated in the U.S. And for each \$1 million worth of output produced by NASA's investments in climate change research and technology, an additional \$7.2 million of output—consisting of both intermediary inputs and consumption goods and services—is produced throughout the national economy.
- Finally, Figures 6 and 7 below illustrate the employment and output impacts of the agency's investments in climate change research and technology across the states. California, Maryland, Virginia, Colorado, Florida, Ohio, Alabama, Massachusetts, Texas, and New York are the most impacted states, respectively. These ten states account for 86 percent of all climate change research and technology investments related employment impacts. As a share of overall NASA impacts, investments in climate change research and technology's impacts are heavily concentrated in some states. Among the top ten most impacted states (by NASA investments in climate change research and technology), a considerable portion of the overall NASA impacts in Massachusetts and New York are

⁸ Climate change research and technology impacts are completely a subset of the NASA impacts discussed earlier.

attributable to the agency's investments in climate change research and technology (Figure 8).

Figure 6: NASA's Investments in Climate Change Research and Technology Employment Impacts by State (employment consists of combination of full- and part-time jobs)

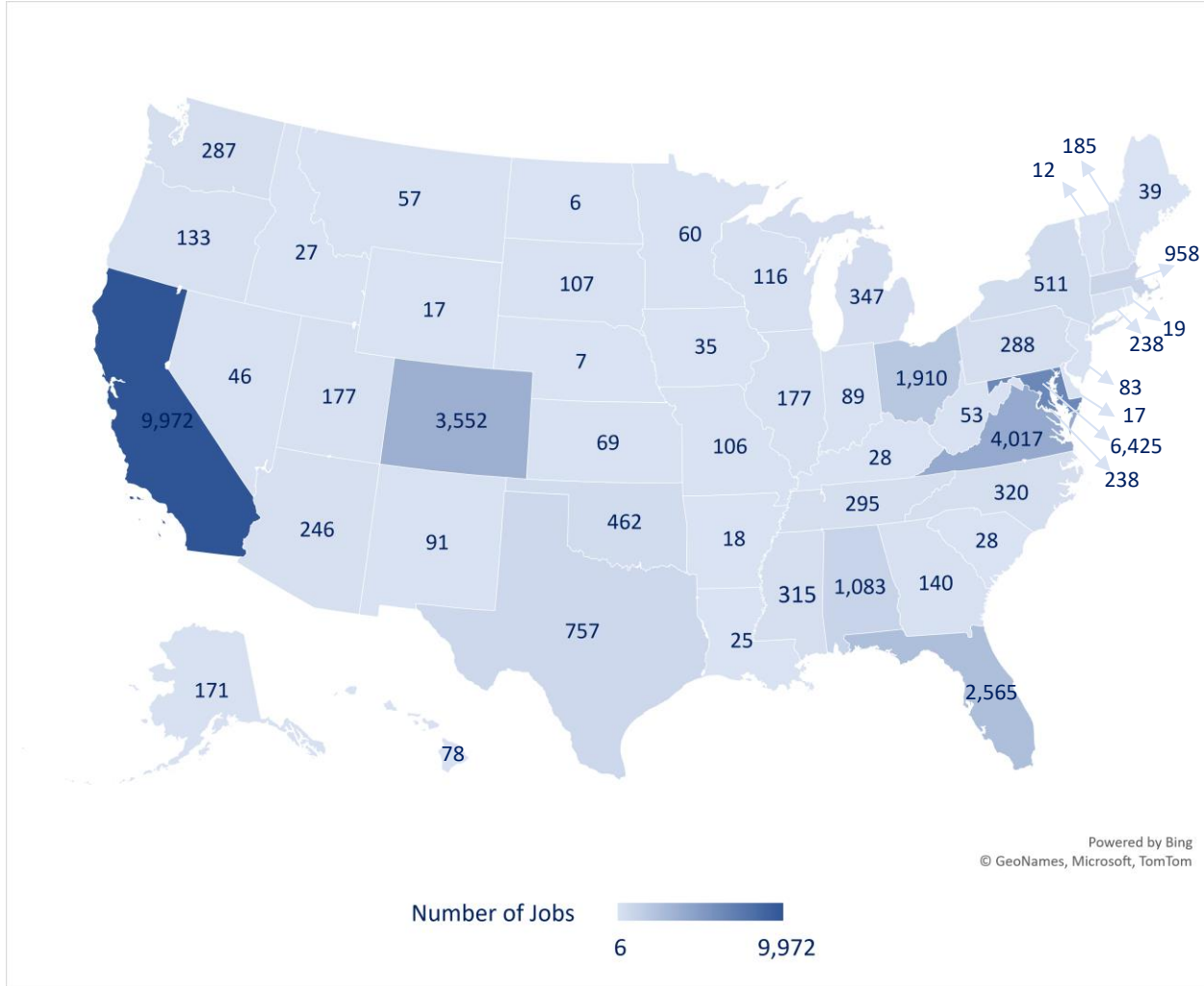


Figure 7: NASA's Investments in Climate Change Research and Technology Output Impacts by State (in \$ millions)

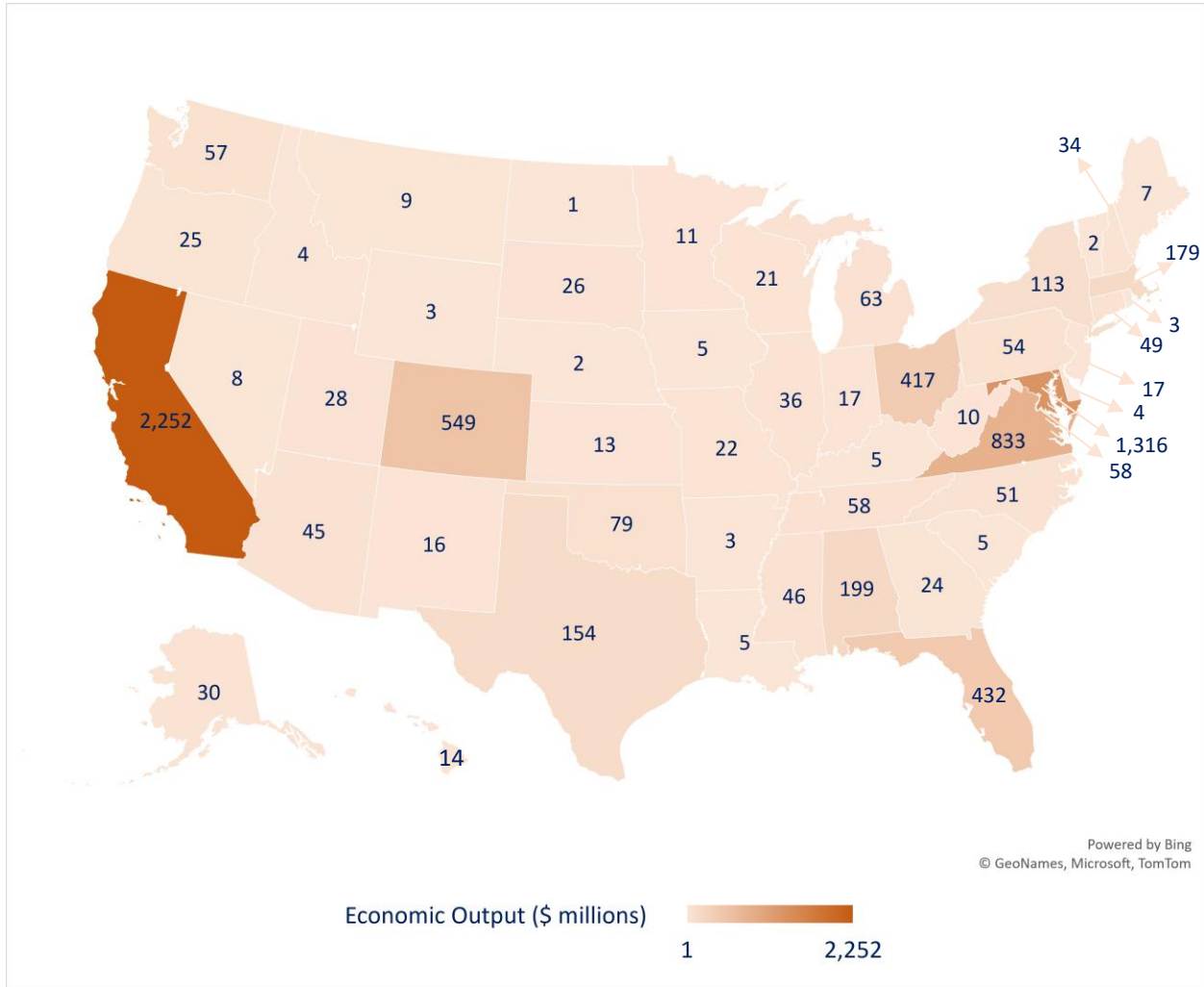


Figure 8: The Share of NASA’s Investments in Climate Change Research and Technology Impacts in Overall NASA Impacts for Top Ten States and U.S. (employment, based on FY 2021)

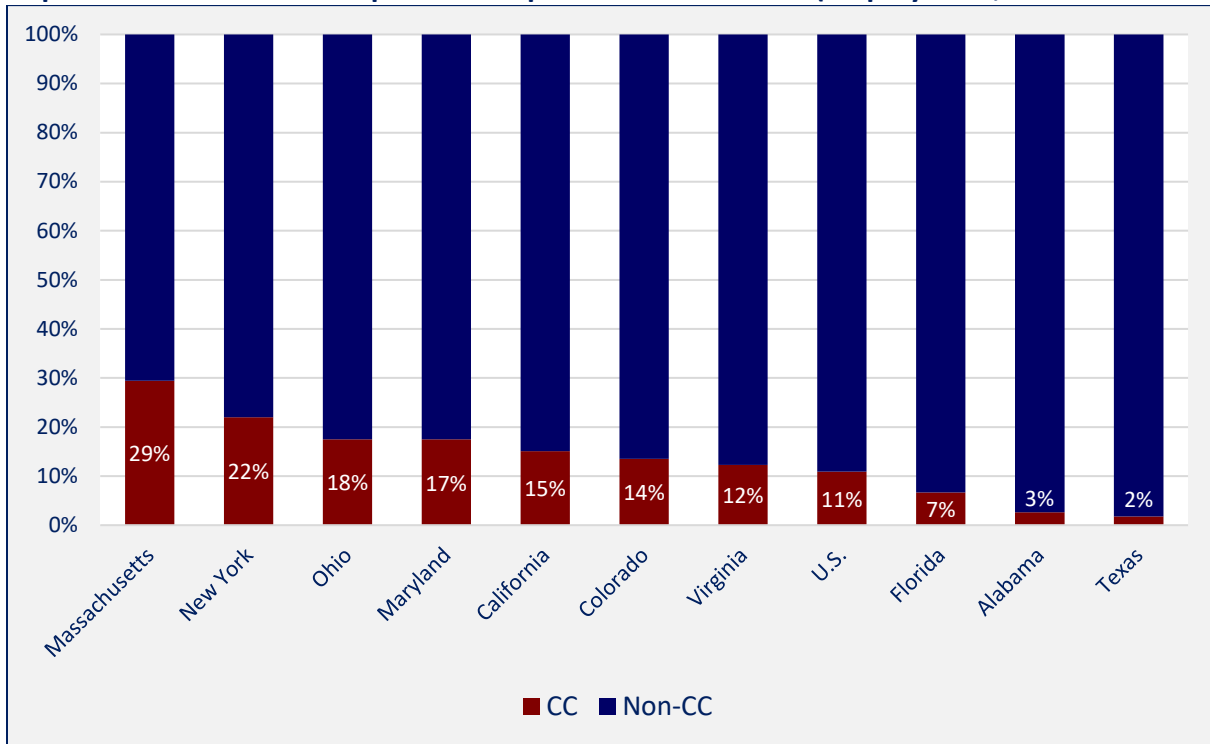


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INTRODUCTION

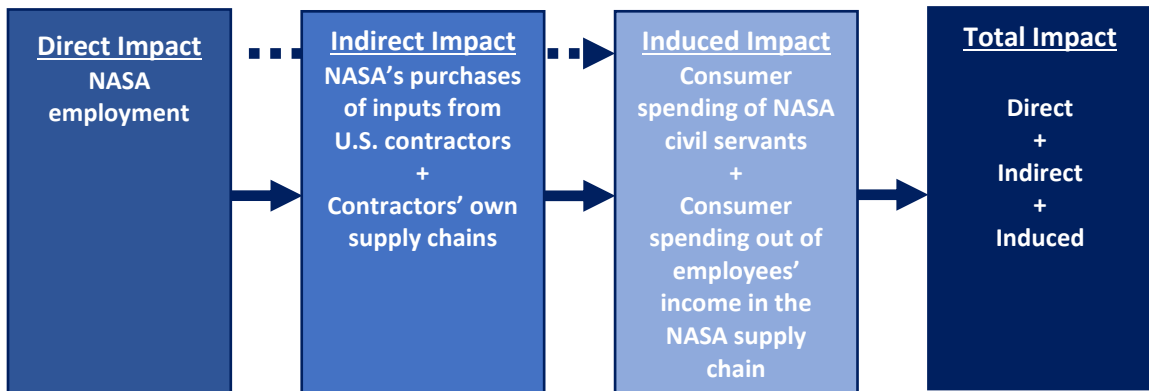
This study is an assessment of the economic impacts of the National Aeronautics and Space Administration (NASA), the Moon to Mars (M2M) campaign, and the investments in climate change research and technology for the Fiscal Year 2021. The assessment consists of three parts. The first part presents the estimation of NASA impacts on the U.S. as a whole, each of the fifty (50) states, and the Washington, D.C. The second part analyzes economic impacts attributable to the M2M campaign on the same set of regions. The third part analyzes economic impacts attributable to the investments in climate change research and technology on the same set of regions. The purpose of the economic impact assessment is to quantify the changes in employment, income, levels of business activity, and government revenue throughout the entire economy that result from NASA's activities, and the M2M campaign and the investments in climate change research and technology.

We present direct, indirect, and induced employment impacts (see Box 1) along with output, labor income, and tax revenue impacts for each of the geographic regions mentioned above (see Box 2).

Box 1: Types of Economic Impact

- **Direct impacts** – the activity or event to be assessed, typically specified as a change in demand for the output of an industry or a change in an industry's employment.
- **Indirect impacts** – economic activity resulting from the increase or decrease in input purchases within the region by the industry directly impacted in response to the change in demand or employment. In the context of this study, indirect effects are the purchases of goods and services by government agencies and private sector contractors as well as by the industries that supply them. Examples include an aerospace firm carrying out contract work for NASA and that aerospace firm's purchases of electronic components and engineering consulting services from other firms to enable its own production.
- **Induced impacts** – economic activity resulting from all affected industries paying wages and benefits to their employees and allocating profit to their owners, some portion of which is spent within the region on consumer goods and services.
- **Total impacts** – the sum of direct, indirect, and induced impacts (see Figure 1).

Figure 1: Direct, Indirect, Induced, and Total Economic Impacts



Note: This figure is adapted from Oxford Economics (2015).

Box 2: Types of Economic Activity

- **Employment** – the annual average of monthly jobs in the economy/industry. The number consists of both *full-time* and *part-time* jobs.
- **Labor Income** – total of all forms of employment income for a year, including employee compensation (wages and benefits) and proprietor income.
- **Value Added** – the difference between an industry’s, or an establishment’s, total output, and the cost of its intermediate inputs for a year. Value added is, equivalently, payment to labor (employee compensation) and rent to capital (profit) plus business taxes. Value added is a measure of the contribution to gross domestic product (at the national, state, or local scale) made by an individual producer, industry, or sector. Direct value added is calculated using the estimated ratios of value added-to-employee in the following industries: (i) guided missile and space vehicle manufacturing, (ii) propulsion units and parts for space vehicles and guided missiles.
- **Output** – the value of annual industry production. Output is reported in producer prices, separating margins such as for wholesale distribution, transportation, and retail into those respective industries. Production at NASA facilities has three components: (1) The direct output component represents the value of all activities at NASA (research and development, production, and management), including both those outputs that are sold to consumers (final consumption) and those that are inputs into further production (intermediary products and services). Direct output is calculated using the estimated ratios of output-to-employee in the following industries: (i) guided missile and space vehicle manufacturing, (ii) propulsion units and parts for space vehicles and guided missiles (2) The indirect component is the value of the goods and services produced in industries that supply the activities at NASA facilities, and the value of the goods and services that are in the supply chain of those industries. (3) The induced component is the value of goods and services, both intermediary and final consumption, that are produced in response to labor income spending of employees in all affected industries. Please note that the term production as used here is not equivalent to product as used GDP for Value Added (see above).
- **Tax Revenues** – the annual taxes collected by federal, state, and local governments through income, payroll, import, corporate, and property taxes, as well as some forms of licenses. Tax revenue estimates are generated from the application of average (per capita and per employee) tax rates and license fees averaged across multiple jurisdictions within a study region and should be treated as only rough approximations.

The modeling approach adopted in this study is to represent outcomes of complex economic relations in aggregate form to enable ready connections between impact-generating event categories and their impacts. Accordingly, beside the estimates of the total economic impacts, our report provides impact multiplier factors (or multipliers for short) for different types of outcomes (see Box 3) that can be used to quickly assess the total scope and sectoral impact of relatively small employment and procurement changes in the future. The shift in the triggering or direct event—such as an increase in employment or a decrease in procurement amount—can simply be multiplied by the relevant outcome multiplier to produce an estimate of the total effect magnitude (direct, indirect, and induced). This procedure is appropriate for situations in which major economic features and relationships, such as employee location patterns and industry purchasing linkages, are not expected to change. Small shifts are generally appropriate, but large changes in the economy may alter inter-industry relationships and require model reevaluation. (The threshold where changes shift from small to large is determined by analyst judgment.)

Box 3: Multipliers

- **Employment multiplier** – the estimated ratio of the change in total local employment to the change in direct employment. For example, an employment multiplier of 3.00 indicates that the creation of 1 direct new job is expected to support 2 additional jobs in the local economy, for a total impact of 3 new jobs.
- **Income multiplier** – the estimated ratio of the change in total income throughout the local economy to the change in income from direct employment. It is calculated analogously to the employment multiplier. For example, an income multiplier of 2.75 indicates that a \$1.00 change in income in the industry directly affected by the events being considered is expected to result in an additional income of \$1.75 throughout the local economy, for a total income impact of \$2.75.
- **Value added multiplier** – the estimated ratio of the change in total value added throughout the local economy to the change in value added from direct employment. The value-added multiplier is calculated analogously to the employment, income, and output multipliers.
- **Output multiplier** – the estimated ratio of the change in total output (i.e., gross sales and additions to inventory) throughout the economy to the change in output from direct employment. The output multiplier is calculated analogously to the employment, income, and value added multipliers.

An input-output modeling framework is used to estimate the impacts. We utilize IMPLAN (Impact analysis for PLANning) software and 2019 industry data, the most current pre-pandemic dataset available at the initiation of the study (see Box 4).

Box 4: IMPLAN Industry Data

We used 2019 industry data (economic modeling data from IMPLAN), FY2021 NASA procurement, and FY2021 NASA labor income data provided by NASA. The economic modeling data are the estimates of industry-to-industry purchasing and spending interactions that are produced by IMPLAN. We believe it is the better data set to use rather than the COVID-19 impacted 2020 IMPLAN data set as a closer reference for the current and near future economic structure.

Using 2020 IMPLAN data would result in impact estimates that would reflect the disproportionate impacts of the pandemic on certain industries (e.g., hospitality, air transportation, restaurants) as well as the measures taken by the federal government to mitigate the impact of the pandemic on businesses and consumers. Specifically, 2020 IMPLAN data incorporate stimulus payments and expanded unemployment benefits into the Social Accounting Matrix for households, higher observed personal savings rates, reductions in federal taxes on production (due to the paycheck protection program), and reductions in industry activity and earnings due to shutdowns. For example, the treatment of the paycheck protection program as business subsidy by IMPLAN may cause taxes on production and imports (TOPI) to be negative if subsidy is greater than taxes paid. Increased savings may result in lower induced impacts than expected in normal times.

Although some pandemic-induced economic changes may be permanent, more of these changes are expected to be temporary and economic and societal functions to return to something close to their pre-COVID state. We therefore believe 2019 IMPLAN data provides for better comparison estimates of overall economic impacts comparable to past and future.

National Aeronautics and Space Administration (NASA)¹

The National Aeronautics and Space Administration (NASA) is responsible for unique scientific and technological achievements in human spaceflight, aeronautics, space science, and space applications that have had widespread impacts on our nation and the world. Established in 1958, NASA has been the center of U.S. civil aerospace research and development for more than half a century.

In addition to agency leadership (Headquarters), NASA has research and flight centers and facilities with unique capabilities:

NASA Research and Flight Centers

- Ames Research Center (IT, fundamental aeronautics, bio, and space science technologies)
- Armstrong Flight Research Center (Flight research)
- Glenn Research Center (Aeropropulsion and communications technologies)

¹ Information is obtained from <https://www.nasa.gov/content/nasa-history-overview> and https://www.nasa.gov/about/org_index.html.

- Goddard Space Flight Center (Earth, the solar system, universe observations, and space communications and navigation)
- Johnson Space Center (Human space exploration)
- Kennedy Space Center (Prepare and launch missions around the Earth and beyond)
- Langley Research Center (Aviation, space technology, and Earth science)
- Marshall Space Flight Center (Space transportation and propulsion technologies)
- Stennis Space Center (Rocket propulsion testing and remote sensing technology)
- Goddard Institute for Space Studies (Broad study of global climate change)

NASA Facilities and Labs

- Jet Propulsion Laboratory (Robotic exploration of the solar system)
- Katherine Johnson Independent Verification and Validation Facility (Provides safety and cost-effectiveness for mission critical software)
- Michoud Assembly Facility (Manufacture and assembly of critical hardware for exploration vehicles)
- NASA Engineering and Safety Center (Independent testing, analysis, and assessments of NASA's high-risk projects)
- NASA Safety Center (Development of personnel, processes and tools needed for the safe and successful achievement of strategic goals)
- NASA Shared Services Center (Financial management, human resources, information technology, and procurement)
- Wallops Flight Facility (Suborbital Research Programs)
- NASA Goddard Institute for Space Studies (Broad study of global climate change)
- NASA White Sands Test Facility (Engine and hazardous materials, components and systems testing and analysis)

Results from NASA's research and development activities ripple throughout the national economy, supporting high-tech industries and creating or sustaining tens of thousands of knowledge-intensive jobs. In addition, NASA invests in economically valuable technologies that help the nation maintain its competitive advantage. NASA develops hundreds of new technologies each year and transfers thousands of products, services, and processes to private businesses. These transfers improve U.S. businesses productivity and global competitiveness. Given the multidimensional nature of the benefits originating from NASA facilities, no single metric can capture the returns from its activities. This report focuses on NASA's economic impacts that can be reliably and precisely quantified through economic input-output models.

Moon to Mars (M2M) Campaign²

NASA's human lunar exploration plans under Artemis call for sending the first woman and first person of color to the surface of the Moon and establishing sustainable exploration by the end of the decade. Working with U.S. companies and international partners, NASA will uncover new scientific discoveries and lay the foundation for long-term lunar exploration and development. The agency will use what it learns on the Moon to prepare for humanity's next giant leap – sending astronauts to Mars.

It all starts with U.S. companies delivering scientific instruments and technology demonstrations to the lunar surface, followed by a spaceship, called the Gateway, in orbit around the Moon that will support human and scientific missions, and human landers that will take astronauts to the surface of the Moon. The agency's powerful Space Launch System rocket and Orion spacecraft are the backbone to build the Gateway and transport astronauts to and from Earth. The following represents the variety of programs and projects of the M2M campaign:

- The Space Launch System
- Orion spacecraft
- All ground support equipment for development, testing, and launch of SLS/Orion
- Gateway
- Human Landing System
- Space suits for lunar surface operations
- In situ resource utilization, surface power systems, life support, and other advanced technology developments for a sustained lunar presence
- Mars 2020 & Sample Return
- Commercial Lunar Payload Services

For additional information about NASA's moon to Mars campaign, please visit [EXPLORE MOON to MARS](#).

Investments in Climate Change Research and Technology³

NASA is a global leader in studying Earth's changing climate. The agency's observations of Earth from space, the air, and on the ground are helping humans learn how the interconnected systems of the planet interact.

NASA has a broad climate research program. Among the many areas NASA studies are greenhouse gases, temperature change, changes in sea ice and land ice, sea level rise,

² Information is obtained from <https://www.nasa.gov/topics/moon-to-mars>

³ Information is obtained from <https://climate.nasa.gov/nasa-science/history/>

clouds and precipitation, and air pollution. NASA also develops technologies that can be used to mitigate or adapt to climate change, like sustainable aviation technologies.

In addition to providing the nation and world with unique climate observations, analysis, and modeling, this research helps NASA better assess the impacts of climate change on its mission and ensure the resiliency of its facilities and assets. NASA's capabilities in researching Earth and its atmosphere will continue to be critical in understanding causes and effects of temperature changes, sea level rise, and other major climate changes. The following represents the variety of programs and projects included in NASA's investments in climate change research and technology:

- Earth Science Activities
 - *Earth Science Research*
 - *Earth Systematic Mission*
 - *Earth System Science Pathfinder Applied Science (Pathways, including SERVIR)*
 - *Earth System Explorers*
 - *Earth Science Technology*
- Aeronautics Activities
 - *Advanced Air Transport Tech*
 - *Advanced Composites Project*
 - *Advanced Air Mobility*
 - *Air Traffic Management Exploration*
 - *Airspace Technology Demonstration*
 - *Convergent Aeronautics Solutions*
 - *Cross Program Operations*
 - *Environmentally Responsible Aviation*
 - *Hi-Rate Composite Aircraft Manufacturing*
 - *Hybrid Thermally Efficient Core*
 - *SMART-NAS Test Bed for Safe TBO*
 - *Transformational Tools and Technologies*
- Space Technology Activities
 - *Portions of Space Technology Research Grants; Technology Transfer; Small Business Technology Transfer*
 - *TDM Fission Surface Power*
 - *GCD Nuclear Systems*
- Portions of EPSCoR
- Construction and environmental compliance and remediation efforts at NASA facilities

For more information about NASA's investments in climate change research and technology, please visit [GLOBAL CLIMATE CHANGE, Vital Signs of the Planet](#).

Report Organization

The extensive activities of NASA and the unique capabilities of the Moon-to-Mars campaign and the investments in climate change research and technology encompass significant research and development (R&D) as well as manufacturing in aerospace and related industries that require the hiring of thousands of highly skilled scientists and engineers. NASA expends millions of dollars in many states in the form of direct employment and contracts with private sector vendors. This infusion of federal spending in the form of labor income and procurement in turn supports thousands of additional jobs and millions of dollars of state and local government tax revenues across the country. This study quantifies these economic impacts and analyzes their significance for the economies involved.

The report is organized as follows. Immediately following this introduction, Section 2 surveys the pertinent literature and provides a brief theoretical background for the modeling process, describing the steps taken to conduct the economic impact analysis. Section 3 describes the data used in the study, examining NASA employment at various research and flight centers (including information related to labor income and employee residences) along with contract awards originating from NASA and those related to the M2M campaign and the investments in climate change research and technology (including the geographic distribution of these contracts). Understanding the data is key to understanding the approach and for interpreting the results of the economic impact analysis. Section 4 discusses the modeling approach, employing data and software from IMPLAN. Section 5 examines additional issues surrounding the impact estimates, focusing largely on the geographic designation of impact regions and the specification of economic activities and events—the inputs into the models. These two sections (4 and 5) detail the modifications we made to the basic IMPLAN model and the most important assumptions that underlie the impact estimates, as well as the rationales behind them. Finally, Section 6 provides estimates of the economic impacts generated by NASA, the M2M campaign, the investments in climate change research and technology and analyzes the meaning of these impacts for the economies involved.

LITERATURE SURVEY

The Conceptual Bases of Economic Impact Analysis

Economic impact analysis involves applying a change in final demand to a descriptive economic model and then analyzing the resulting changes in the economy. A concise definition of impact analysis is that it is an assessment of the overall changes in an economy that occur as a result of one or more changes in specific economic activities (IMPLAN, 2004).

Export base theory (also termed economic base theory) provides the conceptual foundation for input-output economic impact assessment models. The first of two fundamental concepts that undergird export base theory is that an area's economy can be divided into two types of economic units: (1) basic and (2) non-basic. The **basic sector** is defined as those firms that sell goods and services to markets outside the local area. The revenue received by basic sector firms for their exports of goods and services is termed basic income. The remainder of the area's economy consists of those firms that supply goods and services to customers within the area. These firms are referred to as the **non-basic sector** or sometimes as **residential or local trade and service** activities.

The second key concept of export base theory is that the level of non-basic activity in an area is determined by the level of basic activity, and a given change in the level of basic activity brings about a predictable change in the level of non-basic activities. This relationship is known as the **multiplier** effect. Thus, export base theory emphasizes external demand for the products of the basic sector as the principal force determining change in an area's level of economic activity (Leistritz, 1994).

The basis for the multiplier effect is the interdependence of (or linkages between) the basic and non-basic sectors within an area's economy. As the basic sector expands, it requires more inputs (for example, labor and supplies). Some of these inputs are purchased from local firms and households. As the firms in the non-basic sector expand their sales to the basic sector, they too must purchase more inputs, their suppliers in turn must increase their own input purchases, and so on. Increased wages and salaries paid to labor and management in the basic sector, together with similar increases in the non-basic sector, lead to increases in the incomes of area households. Some of this additional income is spent locally for goods and services, some is saved, and some leaves the area economy as payments for imported goods and services (or as additional tax payments to government). To the extent that additional income is spent locally for goods and services, the output of local firms increases further, resulting in additional cycles of input purchases, income increases and consumption expenditures. This cycle of spending and re-spending within the local economy is the basis of the multiplier effect (Leistritz & Murdock, 1981). The magnitude of the multiplier effect is determined by the proportions of a given dollar of additional input purchases and a given dollar of income spent locally.

High multiplier values are associated with high levels of local purchases and spending, which typically reflect a diversified, relatively self-sufficient economy. Larger regions tend to have higher multiplier values.

The Principles of Economic Impact Analysis

To begin the process of estimating economic impacts, it is important to identify the counterfactual scenario against which the specific changes in economic activity are contrasted (Drucker, 2015). For example, if local industries are expected to increase their activity due to a rise in demand for their products or services, the source of that demand—the economic agent or agents seeking the additional products or services—could be considered to have made a choice versus seeking a different set of products or services or obtaining them instead from industries in a different location. In this study, wherein the federal employees' labor income at NASA facilities and the procurement originating from NASA constitute the changes in economic activity that are examined, we consider these changes relative to a hypothetical situation of zero NASA employment and procurement activity. Although this counterfactual of no activity is unrealistic on a nationwide basis in that the federal government resources currently applied to NASA would likely be expended for other tasks or through different federal agencies, a hypothetical baseline scenario of zero replacement activity is a common strategy for impact analyses seeking to obtain measures of the entire economic impact of a particular institution and its associated activities. For smaller geographic regions, such as a state, the counterfactual scenario of zero activity is more realistic because there is no reason to suppose that the allocation of federal resources in the absence of the NASA would concentrate in that specific state. This principle applies to the M2M campaign and the investments in climate change research and technology as well.

After determining the counterfactual scenario, the next step is to identify the topic or topics of concern as a set of economic events defined by expenditures. These expenditures constitute the initial changes that stimulate further activity throughout the economy. The actions and the economic activity they stimulate together comprise the impacts. Although impact modeling software (such as IMPLAN) provides a framework to conduct an analysis of economic impacts, each stage of an analysis should be carefully scrutinized to make sure it is logical. Procedures and assumptions ought to be validated prior to entry into the model (IMPLAN, 2004). Furthermore, understanding how an industry and the various parts of its supply chain respond to changes in demand and judging the validity of the assumptions made as part of operationalizing a regional input–output model are essential to usefully interpreting the outputs of an economic impact model (Drucker, 2015; Low & Isserman, 2009). The key assumptions and their implications are detailed in the following sections of the report.

Economic impact analysis is a projection process, and the figures generated should be regarded as reasonable approximations and estimates rather than as accurate

predictions. There are several points in the conduct of an economic impact analysis where modeling choices and underlying assumptions substantially affect the final results. To avoid inadvertent errors or misapplications, economic impact analyses should include clear documentation of the procedures applied to obtain the initial events modeled, key underlying assumptions, and the rationales for both (Crompton *et al.*, 2001).

The Importance of Economic Impact Analysis to Public Policy Making

Economic impact assessment has developed as a pragmatic approach that attempts to bring appropriate concepts and tools from regional economics and public finance to bear on problems of concern to policy makers (Leistriz, 1994). Practitioners use impact analysis for different purposes. For example, it might be used to measure the impacts of a new factory moving into an area. Governments use impact analysis to inform and guide policy decisions and planning. Researchers use impact analysis to study relationships among different elements in an economy (IMPLAN, 2004).

The increasing demand for economic impact analyses by public agencies can be explained in two ways. First, economic impact assessments are sought by policy makers and resource managers because they address issues that are key to a wide variety of decisions. For example, in determining whether to designate certain public lands as wilderness areas, land managers may need to consider the economic and fiscal impacts of alternative land uses (e.g., wilderness versus ranching or mining). When large-scale mining and resource development projects have been proposed, the local economic and fiscal impacts often have been one of the principal topics of debate.

Second, as state and local governments become more heavily involved in economic development efforts, economic impact analysis tools can be useful in establishing priorities for incentive programs. While a number of states are now using selected measures of direct economic impact (most commonly the number of jobs created) as criteria in awarding financial support, the total economic impact (including secondary effects) is probably a more meaningful criterion (Leistriz, 1994). This also explains why a key purpose of economic impact studies is to measure the economic return to residents (Crompton *et al.*, 2001). Public interest in economic impacts is ultimately a concern about people and their standard of living (Siegfried *et al.*, 2007).

DATA ANALYSIS

Description of NASA Data

NASA supplied information about activities at NASA headquarters and research and flight centers including salary, benefits, and total labor income in all 50 states as well as in D.C. This data contains places of residence for NASA employees living in different states (with all individual identifiers removed). Procurement data for NASA list contract amounts awarded to vendors located in different parts of the country with a brief description of the activity or service that vendors were awarded to carry out for NASA. NASA provides funding not only to private sector firms, but also to colleges and universities, federal government agencies, and civic organizations in the form of research and development contracts as well as grants. Both the recipients and the types of activity contracted by NASA are diverse; the latter involves most of the categories of manufacturing or service industries contained within the IMPLAN model.

NASA provided M2M-specific procurement data, listing suppliers and corresponding dollar amounts for the campaign's contractors. In addition to the geographical location of each of these suppliers, including overseas vendors, the items purchased, and services provided by these vendors were detailed. Similar to NASA, the contracting activity attributable to the M2M campaign is diverse in terms of the type of economic activity and vendor locations. The M2M-specific contracting activity originating from NASA is related mostly to scientific research and development services, facilities support services, professional and technical services, software development, and electronic and precision equipment repair and maintenance.

NASA provided climate change research and technology-specific procurement data, listing suppliers and corresponding dollar amounts for the contractors. In addition to the geographical location of each of these suppliers, including overseas vendors, the items purchased, and services provided by these vendors were detailed. Climate change research and technology-specific contracting activity originating from NASA is related mostly to scientific research and development services, professional and technical services, and grants and contributions.

All data and outputs of this economic impact analysis pertain to Fiscal Year 2021 (October 1, 2020, through September 31, 2021).

NASA Activities

NASA Employment

NASA employs 19,319 civil servants (17,736 FTEs, see Box 5).⁴ Most of the NASA labor force is concentrated in Maryland, Texas, Virginia, Alabama, Florida, California, and Ohio (Table 1 and Figure 2). According to FTE counts, those seven states account for 92% of total NASA employment. Because impact estimates are based on expenditures, it is important to examine the labor income shares that correspond to the employment figures in each region.⁵ The same set of states accounts for the largest portion of labor income earned. As we present in the results (Section 6), the concentration of NASA employment and labor income in those states listed above translates into greater estimated household spending and larger economic impacts relative to the other regions examined.

Box 5: Civil Servant Employee Counts versus Full-time Equivalent (FTEs)

We used FTEs instead of the count of civil servants in the analysis for two reasons. First, given that there are different labor hours/labor income associated with different headcounts in different states, using FTEs provides a more accurate way to compare the share of NASA employment across states. Second, because economic impacts are a function of labor income and changes in labor income are more directly related to FTEs, we used FTEs rather than headcounts. For example, it is possible for labor income to remain the same while the number of employees (civil servant headcounts) decreases. However, changes in FTEs would reflect those changes in labor income and thus will allow the analyst and the reader to more accurately assess the anticipated changes in associated economic impacts.

Table 1: NASA’s Labor Force and Associated Labor Income⁶

State	Employment		Labor Income	
	Jobs (FTE ⁷)	%	Income (\$ thousands)	%
Alabama	2,276	12.8	403,062	12.4
Alaska	2	<0.1	134	<0.1
Arizona	13	0.1	2,230	0.1
Arkansas	3	<0.1	309	<0.1
California	1,812	10.2	353,646	10.9
Colorado	50	0.3	8,899	0.3
Connecticut	9	<0.1	880	<0.1

⁴ Throughout this report, NASA employment refers only to federal civil servants and does not include on-site contractors.

⁵ Unless otherwise mentioned, all monetary values correspond to 2021 dollars.

⁶ Due to rounding decimals, column and row totals may not exactly equal the sums of cell values. This caveat applies to all tables with numerical values throughout the report.

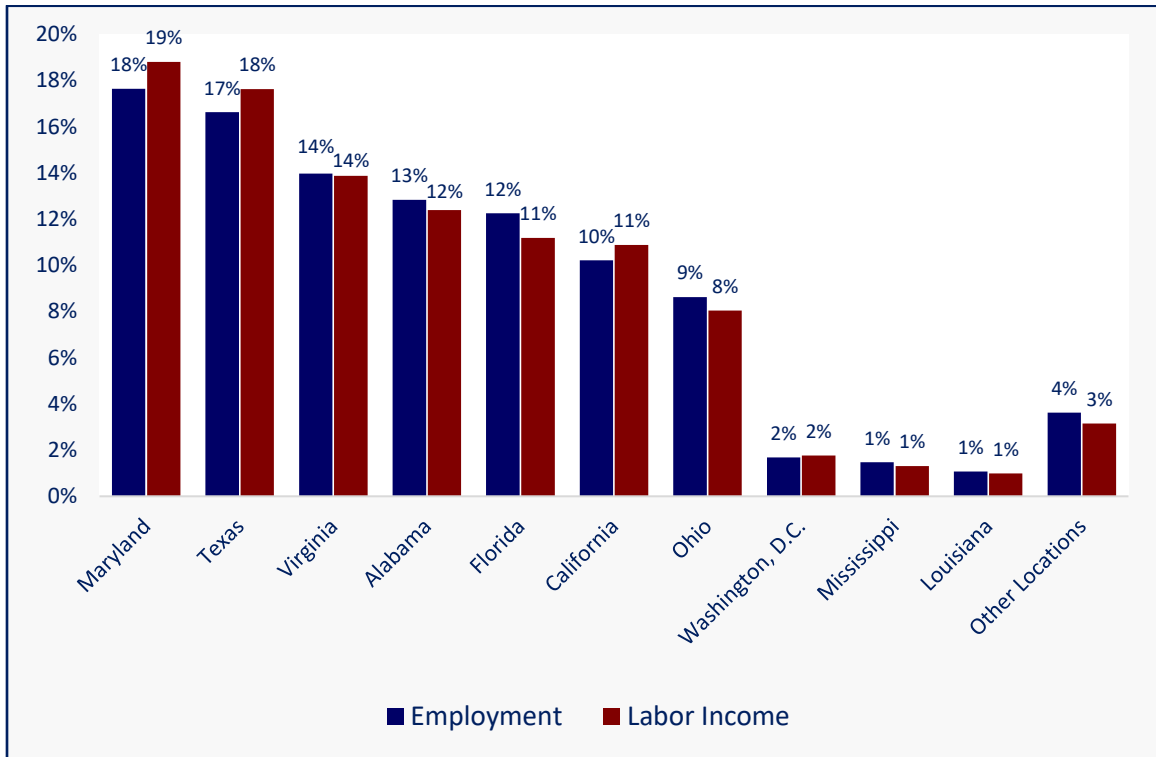
⁷ The acronym FTE stands for “full-time equivalent”.

Delaware	8	<0.1	1,352	<0.1
Florida	2,172	12.2	363,566	11.2
Georgia	19	0.1	2,739	0.1
Hawaii	3	<0.1	370	<0.1
Idaho	2	<0.1	265	<0.1
Illinois	20	0.1	2,265	0.1
Indiana	17	0.1	1,959	0.1
Iowa	3	<0.1	338	<0.1
Kansas	5	<0.1	810	<0.1
Kentucky	12	0.1	1,415	<0.1
Louisiana	189	1.1	32,155	1.0
Maine	1	<0.1	84	<0.1
Maryland	3,128	17.6	611,308	18.8
Massachusetts	15	0.1	2,536	0.1
Michigan	13	0.1	1,526	<0.1
Minnesota	12	0.1	1,202	<0.1
Mississippi	261	1.5	42,541	1.3
Missouri	9	<0.1	1,156	<0.1
Montana	2	<0.1	185	<0.1
Nebraska	2	<0.1	330	<0.1
Nevada	7	<0.1	1,041	<0.1
New Hampshire	3	<0.1	521	<0.1
New Jersey	16	0.1	2,389	0.1
New Mexico	77	0.4	13,103	0.4
New York	47	0.3	7,903	0.2
North Carolina	34	0.2	5,439	0.2
North Dakota	1	<0.1	168	<0.1
Ohio	1,530	8.6	261,273	8.0
Oklahoma	9	0.1	1,243	<0.1
Oregon	7	<0.1	1,203	<0.1
Pennsylvania	35	0.2	5,665	0.2
Rhode Island	1	<0.1	181	<0.1
South Carolina	9	0.1	1,729	0.1
South Dakota	1	<0.1	174	<0.1
Tennessee	75	0.4	13,518	0.4
Texas	2,948	16.6	573,109	17.6
Utah	7	<0.1	1,308	<0.1
Vermont	2	<0.1	274	<0.1
Virginia	2,477	14.0	450,864	13.9
Washington	19	0.1	3,356	0.1
Washington, D.C.	299	1.7	57,489	1.8

West Virginia	60	0.3	10,571	0.3
Wisconsin	8	<0.1	880	<0.1
Wyoming	2	<0.1	259	<0.1
Other Places	2	<0.1	458	<0.1
United States	17,732	100.0	3,251,378	100.0
U.S. Territories	3	<0.1	230,599	<0.1
Other Countries	0	0.0	0	0.0
Total	17,736	100	3,251,609	100

Note: Labor income includes regular salary, over-time payments, holiday payments, OPC (Other Personnel Costs: awards, lump sum payments, bonuses, and permanent change-of-station costs), and benefits. "Other Places" refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; "Other Countries" refers to foreign countries. We include "Other Places" in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis's National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, employment in "U.S. Territories" and "Other Countries" are excluded from the national model.

Figure 2: Shares of NASA Labor Force and Labor Income in Top Ten States (based on FTEs)



NASA Procurement

NASA procurement refers to contracts for goods and/or services originating from NASA headquarters and individual NASA space and flight centers. In Fiscal Year 2021, NASA

allocated \$21.2 billion in expenditures to vendors in 50 states, the District of Columbia, and Puerto Rico, the United States Virgin Islands, and some foreign countries (Table 2 and Figure 3). Of this amount, approximately \$6.7 billion is specific to the M2M campaign, accounting for around 31% of total NASA procurement spending. Of the same amount (NASA procurement), \$2.2 billion is specific to the investments in climate change research and technology, accounting for around 10% of total NASA procurement spending. California is the largest recipient state, accounting for \$4.5 billion, or 21.5% of NASA's total procurement spending.

One feature differentiates NASA procurement spending from NASA employment. First, NASA procurement expenditures are more geographically dispersed. Whereas seven states account for 92% of NASA employment, 82% of NASA procurement is sourced from the top seven states (Figure 3). These different concentrations have implications for the magnitude of the impact estimates attributable to NASA employment and procurement. (Note that on-site contractor employees are not considered directly; the impacts of these contractors are captured through procurement expenditures.)

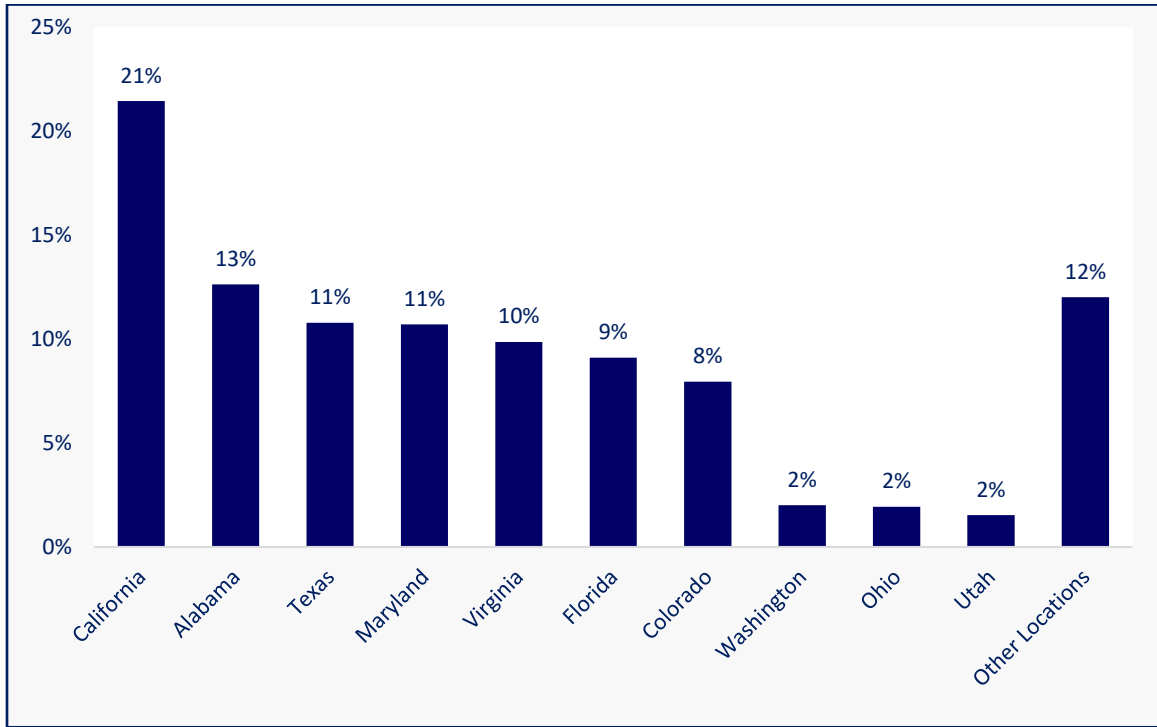
Table 2: NASA Procurement

State	Procurement		Pcard Purchases		Total	
	Amount (\$thousands)	%	Amount (\$thousands)	%	Amount (\$thousands)	%
Alabama	2,674,447	12.6	7,847	12.8	2,682,295	12.6
Alaska	41,105	0.2	0	0.0	41,105	0.2
Arizona	248,169	1.2	0	0.0	248,169	1.2
Arkansas	2,881	<0.1	0	0.0	2,881	<0.1
California	4,547,207	21.5	8,813	14.4	4,556,020	21.5
Colorado	1,687,522	8.0	0	0.0	1,687,522	7.9
Connecticut	38,075	0.2	0	0.0	38,075	0.2
Delaware	8,024	<0.1	0	0.0	8,024	<0.1
Florida	1,932,002	9.1	2,868	4.7	1,934,870	9.1
Georgia	26,557	0.1	0	0.0	26,557	0.1
Hawaii	26,309	0.1	0	0.0	26,309	0.1
Idaho	6,094	<0.1	0	0.0	6,094	<0.1
Illinois	38,786	0.2	0	0.0	38,786	0.2
Indiana	82,169	0.4	0	0.0	82,169	0.4
Iowa	25,647	0.1	0	0.0	25,647	0.1
Kansas	6,425	<0.1	0	0.0	6,425	<0.1
Kentucky	10,400	<0.1	0	0.0	10,400	<0.1
Louisiana	147,707	0.7	0	0.0	147,707	0.7
Maine	6,720	<0.1	0	0.0	6,720	<0.1
Maryland	2,262,723	10.7	12,007	19.6	2,274,730	10.7
Massachusetts	256,720	1.2	0	0.0	256,720	1.2

Michigan	45,052	0.2	0	0.0	45,052	0.2
Minnesota	13,010	0.1	0	0.0	13,010	0.1
Mississippi	296,444	1.4	466	0.8	296,910	1.4
Missouri	29,785	0.1	0	0.0	29,785	0.1
Montana	9,712	<0.1	0	0.0	9,712	<0.1
Nebraska	3,052	<0.1	0	0.0	3,052	<0.1
Nevada	42,168	0.2	0	0.0	42,168	0.2
New Hampshire	33,542	0.2	0	0.0	33,542	0.2
New Jersey	36,943	0.2	0	0.0	36,943	0.2
New Mexico	59,551	0.3	0	0.0	59,551	0.3
New York	183,138	0.9	0	0.0	183,138	0.9
North Carolina	58,014	0.3	0	0.0	58,014	0.3
North Dakota	2,869	<0.1	0	0.0	2,869	<0.1
Ohio	402,781	1.9	7,036	11.5	409,817	1.9
Oklahoma	54,082	0.3	0	0.0	54,082	0.3
Oregon	16,578	0.1	0	0.0	16,578	0.1
Pennsylvania	119,343	0.6	0	0.0	119,343	0.6
Rhode Island	5,942	<0.1	0	0.0	5,942	<0.1
South Carolina	14,055	0.1	0	0.0	14,055	0.1
South Dakota	14,322	0.1	0	0.0	14,322	0.1
Tennessee	109,840	0.5	0	0.0	109,840	0.5
Texas	2,280,217	10.8	10,398	16.9	2,290,616	10.8
Utah	323,991	1.5	0	0.0	323,991	1.5
Vermont	2,705	<0.1	0	0.0	2,705	<0.1
Virginia	2,084,385	9.8	11,201	18.2	2,095,585	9.9
Washington	426,556	2.0	0	0.0	426,556	2.0
Washington, D.C.	238,308	1.1	750	1.2	239,058	1.1
West Virginia	46,006	0.2	0	0.0	46,006	0.2
Wisconsin	17,692	0.1	0	0.0	17,692	0.1
Wyoming	3,132	<0.1	0	0.0	3,132	<0.1
Other Places	1,316	<0.1	0	0.0	1,316	<0.1
United States	21,050,219	99.4	61,386	100.0	21,111,605	99.4
U.S. Territories	4,637	<0.1	0	0.0	4,637	<0.1
Other Countries	117,974	0.6	0	0.0	117,974	0.6
Total	21,172,831	100.0	61,386	100.0	21,234,217	100

Note: There was no specific physical location associated with the Pcard purchases. We assumed that they occur in the same state where they originate (MSFC Pcard purchases in Alabama, JSC purchases in Texas, etc.). "Other Places" refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; "Other Countries" refers to foreign countries. We include "Other Places" in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis's National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, procurement in "U.S. Territories" and "Other Countries" are excluded from the national model.

Figure 3: Share of NASA Procurement Spending by Top Ten States



Moon-to-Mars (M2M) Campaign

NASA Employment for the M2M Campaign

NASA directly employs 4,644 civil servants (2,474 FTEs) to support the M2M campaign.⁸ The majority of employees who work on the campaign reside in Texas, Alabama, and Florida; the three states account for more than 77% of the FTE jobs for the M2M campaign. Relatively small but notable numbers of employees live in Ohio, California, and Virginia, whereas other states’ shares of the M2M labor force are minimal (Table 3 and Figure 4).

Table 3: NASA’s M2M Campaign Labor Force and Associated Labor Income

State	Employment		Labor Income	
	Jobs (FTE)	%	Income (\$ thousands)	%
Alabama	605	24.5	105,437	24.0
Alaska	0	0.0	0	0.0
Arizona	0	0.0	0	0.0
Arkansas	0	0.0	0	0.0
California	100	4.0	20,340	4.6

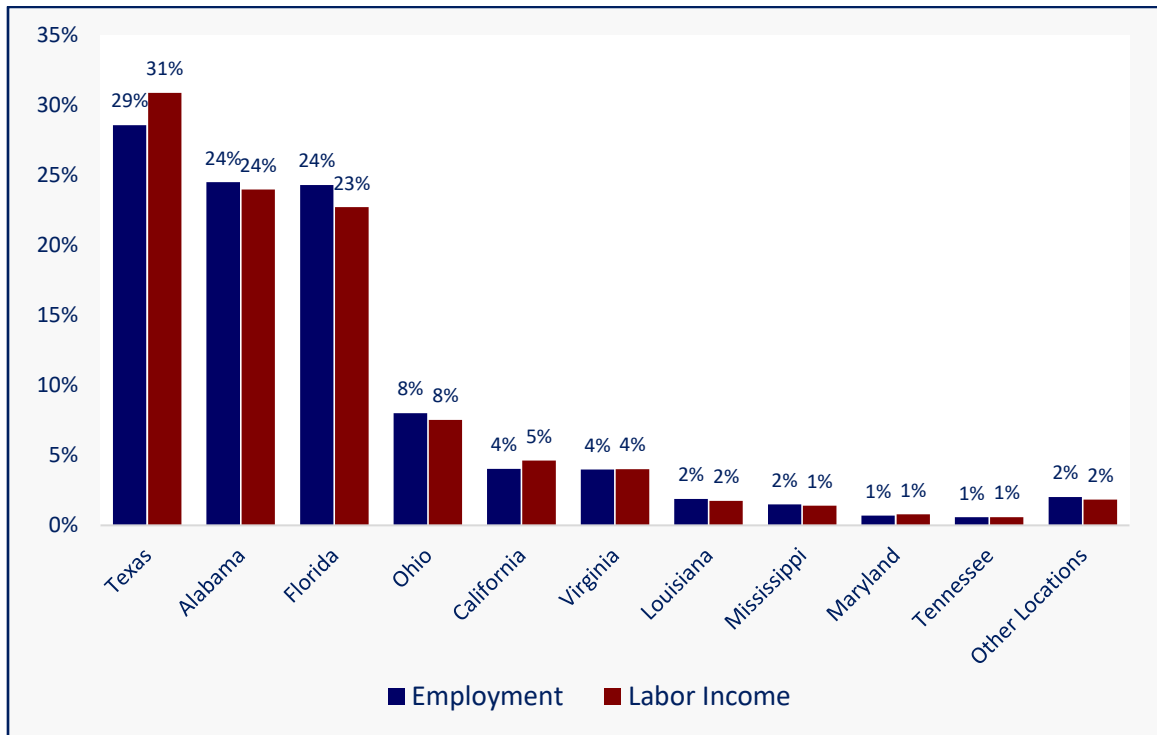
⁸ Throughout this report, the M2M labor force figures refer only to federal civil servants and do not include on-site contractors.

Colorado	6	0.3	1,077	0.2
Connecticut	0	0.0	0	0.0
Delaware	0	0.0	17	<0.1
Florida	600	24.3	99,887	22.7
Georgia	2	0.1	360	0.1
Hawaii	0	0.0	0	0.0
Idaho	0	0.0	0	0.0
Illinois	3	0.1	452	0.1
Indiana	2	0.1	237	0.1
Iowa	0	0.0	0	0.0
Kansas	0	0.0	7	<0.1
Kentucky	2	0.1	263	0.1
Louisiana	46	1.9	7,650	1.7
Maine	0	0.0	0	0.0
Maryland	17	0.7	3,513	0.8
Massachusetts	1	0.1	184	<0.1
Michigan	2	0.1	223	0.1
Minnesota	1	<0.1	93	<0.1
Mississippi	37	1.5	6,155	1.4
Missouri	2	0.1	215	<0.1
Montana	0	0.0	0	0.0
Nebraska	0	0.0	16	<0.1
Nevada	0	0.0	0	0.0
New Hampshire	0	0.0	1	<0.1
New Jersey	2	0.1	165	<0.1
New Mexico	5	0.2	822	0.2
New York	1	<0.1	82	<0.1
North Carolina	4	0.2	844	0.2
North Dakota	0	0.0	0	0.0
Ohio	198	8.0	33,113	7.5
Oklahoma	1	<0.1	157	<0.1
Oregon	0	0.0	51	<0.1
Pennsylvania	2	0.1	189	<0.1
Rhode Island	0	0.0	0	0.0
South Carolina	0	0.0	0	0.0
South Dakota	0	0.0	12	<0.1
Tennessee	14	0.6	2,578	0.6
Texas	706	28.5	135,789	30.8
Utah	4	0.2	817	0.2
Vermont	0	0.0	0	0.0
Virginia	99	4.0	17,652	4.0

Washington	1	<0.1	265	0.1
Washington, D.C.	4	0.2	897	0.2
West Virginia	0	0.0	2	<0.1
Wisconsin	1	<0.1	209	<0.1
Wyoming	1	<0.1	178	<0.1
Other Places	1	<0.1	250	0.1
United States	2,474	100.0	440,200	100.0
U.S. Territories	0	0.0	0	0.0
Other Countries	0	0.0	0	0.0
Total	2,474	100.0	440,200	100.0

Note: Labor income includes regular salary, over-time payments, holiday payments, OPC (Other Personnel Costs: awards, lump sum payments, bonuses, and permanent change-of-station costs), and benefits. "Other Places" refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; "Other Countries" refers to foreign countries. We include "Other Places" in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis's National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, employment in "U.S. Territories" and "Other Countries" are excluded from the national model.

Figure 4: Shares of NASA M2M Labor Force and Labor Income in Top Ten States (based on FTEs)



NASA Procurement for the M2M Campaign

M2M procurement refers to contracts for goods and/or services originating from the different NASA Centers that support the M2M campaign. In Fiscal Year 2021, NASA allocated nearly \$6.7 billion in expenditures to vendors in 48 states and the District of Columbia, and several foreign countries.⁹ Alabama is the largest recipient state, accounting for approximately \$1.9 billion, or 28.5% of NASA's total procurement spending for the M2M campaign (Table 4 and Figure 5).

After Alabama, Colorado is the second largest state recipient of M2M procurement. Contracts performed in this state account for more than \$998 million, or 15.4% of NASA's total procurement spending for the M2M campaign. California is the third largest recipient of M2M procurement. Contracts performed in this state account for more than \$912 million, or 13.7% of NASA's total procurement spending for the M2M campaign. Texas is the fourth largest recipient of M2M procurement. Contracts performed in this state account for more than \$860 million, or 12.9% of NASA's total procurement spending for the M2M campaign. Florida is the fifth largest recipient of M2M procurement. Contracts performed in Florida account for more than \$509 million, or 7.6% of NASA's total procurement spending for the M2M campaign. Several other states' shares of M2M procurement are smaller but still sizeable. Virginia, Washington, and Utah are among such states.

Table 4: NASA Procurement for the M2M Campaign

State	Procurement		Pcard Purchases		Total	
	Amount (\$thousands)	%	Amount (\$thousands)	%	Amount (\$thousands)	%
Alabama	1,894,311	28.5	5,558	36.7	1,899,870	28.5
Alaska	1,137	<0.1	0	0.0	1,137	<0.1
Arizona	27,975	0.4	0	0.0	27,975	0.4
Arkansas	220	<0.1	0	0.0	220	<0.1
California	910,868	13.7	1,765	11.6	912,634	13.7
Colorado	998,649	15.0	0	0.0	998,649	15.0
Connecticut	7,061	0.1	0	0.0	7,061	0.1
Delaware	673	<0.1	0	0.0	673	<0.1
Florida	508,676	7.6	755	5.0	509,431	7.6
Georgia	2,257	<0.1	0	0.0	2,257	<0.1
Hawaii	260	<0.1	0	0.0	260	<0.1
Idaho	351	<0.1	0	0.0	351	<0.1
Illinois	2,141	<0.1	0	0.0	2,141	<0.1
Indiana	993	<0.1	0	0.0	993	<0.1
Iowa	209	<0.1	0	0.0	209	<0.1

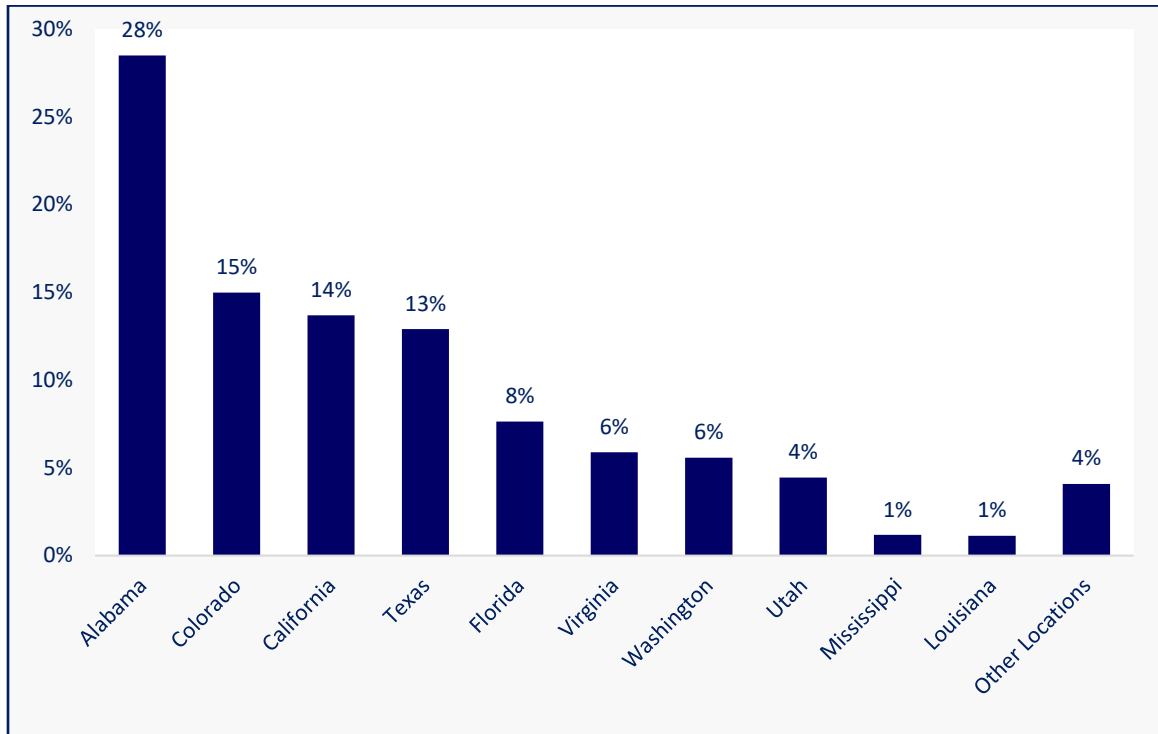
⁹ North Dakota and Wyoming are the only states that did not have M2M-specific contracts in FY 2021.

Kansas	77	<0.1	0	0.0	77	<0.1
Kentucky	1,629	<0.1	0	0.0	1,629	<0.1
Louisiana	75,496	1.1	0	0.0	75,496	1.1
Maine	306	<0.1	0	0.0	306	<0.1
Maryland	29,453	0.4	156	1.0	29,610	0.4
Massachusetts	6,624	0.1	0	0.0	6,624	0.1
Michigan	1,375	<0.1	0	0.0	1,375	<0.1
Minnesota	1,442	<0.1	0	0.0	1,442	<0.1
Mississippi	78,192	1.2	123	0.8	78,314	1.2
Missouri	2,836	<0.1	0	0.0	2,836	<0.1
Montana	1,108	<0.1	0	0.0	1,108	<0.1
Nebraska	50	<0.1	0	0.0	50	<0.1
Nevada	1,844	<0.1	0	0.0	1,844	<0.1
New Hampshire	1,775	<0.1	0	0.0	1,775	<0.1
New Jersey	8,210	0.1	0	0.0	8,210	0.1
New Mexico	3,709	0.1	0	0.0	3,709	0.1
New York	20,116	0.3	0	0.0	20,116	0.3
North Carolina	1,305	<0.1	0	0.0	1,305	<0.1
North Dakota	0	0.0	0	0.0	0	0.0
Ohio	44,018	0.7	769	5.1	44,787	0.7
Oklahoma	298	<0.1	0	0.0	298	<0.1
Oregon	1,444	<0.1	0	0.0	1,444	<0.1
Pennsylvania	66,892	1.0	0	0.0	66,892	1.0
Rhode Island	2,318	<0.1	0	0.0	2,318	<0.1
South Carolina	119	<0.1	0	0.0	119	<0.1
South Dakota	653	<0.1	0	0.0	653	<0.1
Tennessee	1,135	<0.1	0	0.0	1,135	<0.1
Texas	856,305	12.9	3,905	25.8	860,210	12.9
Utah	296,494	4.5	0	0.0	296,494	4.4
Vermont	366	<0.1	0	0.0	366	<0.1
Virginia	390,069	5.9	2,096	13.8	392,165	5.9
Washington	372,173	5.6	0	0.0	372,173	5.6
Washington, D.C.	10,187	0.2	32	0.2	10,219	0.2
West Virginia	5,394	0.1	0	0.0	5,394	0.1
Wisconsin	1,171	<0.1	0	0.0	1,171	<0.1
Wyoming	0	0.0	0	0.0	0	0.0
Other Places	0	0.0	0	0.0	0	0.0
United States	6,640,367	99.8	15,160	100.0	6,655,527	99.8
U.S. Territories	0	0.0	0	0.0	0	0.0
Other Countries	12,208	0.2	0	0.0	12,208	0.2
Total	6,652,574	100.0	15,160	100.0	6,667,734	100

Note: The Pcard purchase data we received did not identify any spending for the M2M campaign. We assumed that the share of Pcard purchases made for the M2M campaign is proportional to the M2M's share of overall NASA procurement in a given state. For example, 72% of NASA's overall procurement in

Alabama is related to the M2M campaign. That means 72% of Pcard purchases in Alabama is assumed to be specific to the M2M campaign. “Other Places” refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; “Other Countries” refers to foreign countries. We include “Other Places” in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis’s National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, procurement in “U.S. Territories” and “Other Countries” are excluded from the national model.

Figure 5: Share of M2M Procurement Spending by Top Ten States



Investments in Climate Change Research and Technology

NASA Employment for Climate Change Research and Technology

NASA directly employs 3,669 civil servants (1,845 FTEs) to support investments in climate change research and technology.¹⁰ The majority of employees who work on the program reside in Virginia, California, Maryland, Ohio; the four states account for 90% of the FTE jobs for climate change research and technology. Relatively small but notable numbers of employees live in Alabama and Washington, D.C., whereas other states’ shares of the climate change research and technology labor force are minimal (Table 5 and Figure 6).

¹⁰ Throughout this report, the climate change research and technology labor force figures refer only to federal civil servants and do not include on-site contractors.

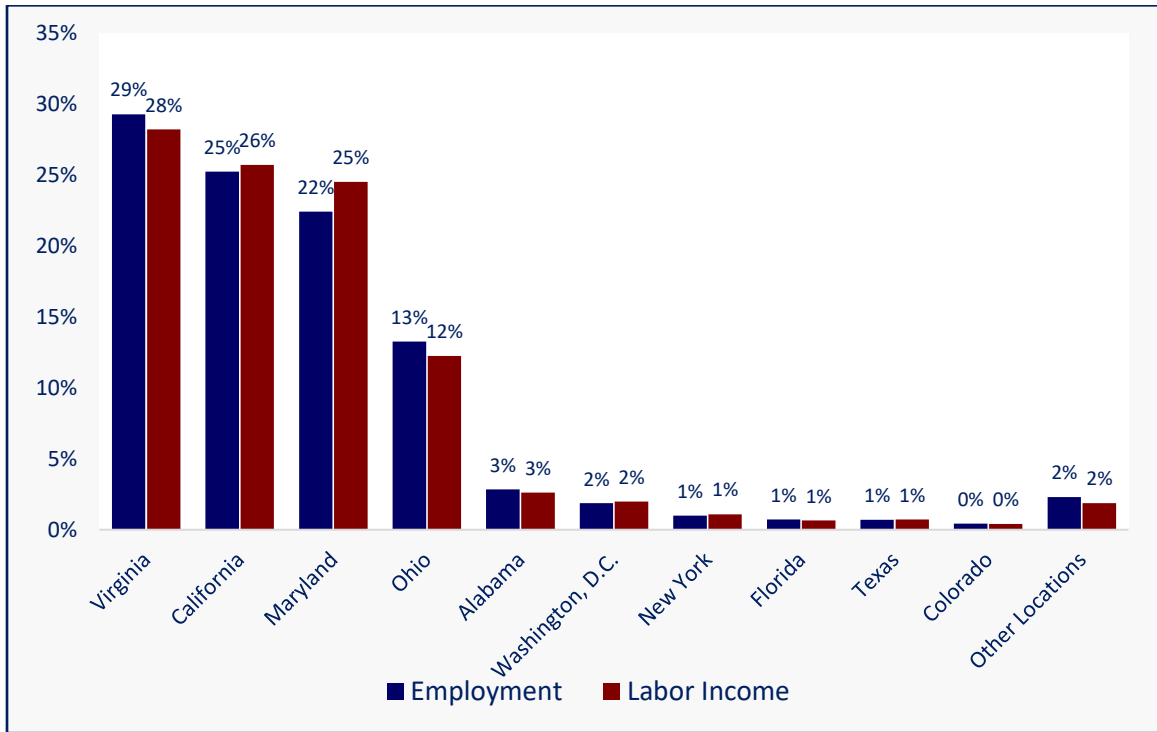
Table 5: NASA’s Climate Change Research and Technology Labor Force and Associated Labor Income

State	Employment		Labor Income	
	Jobs (FTE)	%	Income (\$ thousands)	%
Alabama	52	2.8	8,630	2.6
Alaska	1	<0.1	39	<0.1
Arizona	2	0.1	409	0.1
Arkansas	<1	<0.1	15	<0.1
California	465	25.2	84,756	25.7
Colorado	8	0.4	1,335	0.4
Connecticut	1	0.1	111	<0.1
Delaware	<1	<0.1	6	<0.1
Florida	13	0.7	2,185	0.7
Georgia	2	0.1	255	0.1
Hawaii	<1	<0.1	1	<0.1
Idaho	<1	<0.1	11	<0.1
Illinois	1	<0.1	107	<0.1
Indiana	2	0.1	145	<0.1
Iowa	0	0.0	0	0.0
Kansas	1	0.1	184	0.1
Kentucky	2	0.1	258	0.1
Louisiana	1	<0.1	91	<0.1
Maine	<1	<0.1	7	<0.1
Maryland	413	22.4	80,863	24.5
Massachusetts	1	0.1	137	<0.1
Michigan	1	<0.1	185	0.1
Minnesota	1	0.1	78	<0.1
Mississippi	2	0.1	310	0.1
Missouri	1	<0.1	40	<0.1
Montana	0	0.0	0	0.0
Nebraska	0	0.0	0	0.0
Nevada	2	0.1	235	0.1
New Hampshire	<1	<0.1	38	<0.1
New Jersey	3	0.2	537	0.2
New Mexico	<1	<0.1	11	<0.1
New York	18	1.0	3,602	1.1
North Carolina	5	0.3	722	0.2
North Dakota	0	0.0	0	0.0
Ohio	245	13.3	40,394	12.2
Oklahoma	1	<0.1	63	<0.1

Oregon	1	<0.1	131	<0.1
Pennsylvania	7	0.4	1,153	0.3
Rhode Island	0	0.0	0	0.0
South Carolina	1	<0.1	140	<0.1
South Dakota	<1	<0.1	8	<0.1
Tennessee	2	0.1	356	0.1
Texas	13	0.7	2,376	0.7
Utah	<1	<0.1	55	<0.1
Vermont	0	0.0	0	0.0
Virginia	540	29.3	93,026	28.2
Washington	<1	<0.1	21	<0.1
Washington, D.C.	34	1.9	6,548	2.0
West Virginia	1	0.1	213	0.1
Wisconsin	1	<0.1	66	<0.1
Wyoming	0	0.0	0	0.0
Other Places	0	0.0	0	0.0
United States	1,844	100.0	329,851	100.0
U.S. Territories	<1	<0.1	31	<0.1
Other Countries	0	0.0	0	0.0
Total	1,845	100	329,882	100

Note: Labor income includes regular salary, over-time payments, holiday payments, OPC (Other Personnel Costs: awards, lump sum payments, bonuses, and permanent change-of-station costs), and benefits. "Other Places" refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; "Other Countries" refers to foreign countries. We include "Other Places" in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis's National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, employment in "U.S. Territories" and "Other Countries" are excluded from the national model.

Figure 6: Shares of NASA Climate Change Research and Technology Labor Force and Labor Income in Top Ten States (based on FTEs)



NASA Procurement for Climate Change Research and Technology

This procurement refers to contracts for goods and/or services originating from the different NASA Centers that support the investments in climate change research and technology. In Fiscal Year 2021, NASA allocated 2.2 billion in expenditures to vendors in 50 states, the District of Columbia, Puerto Rico, the United States Virgin Islands, and some foreign countries.

California is the largest recipient state, accounting for more than \$641 million, or 28.8% of NASA’s total procurement spending for climate change research and technology (Table 6 and Figure 7). After California, Maryland is the second largest state recipient of climate change research and technology procurement. Contracts performed in this state account for nearly \$418 million, or 18.8% of NASA’s total procurement spending for climate change research and technology. Several other states’ shares of climate change research and technology procurement are smaller but still sizeable. Colorado, Virginia, and Florida are among such states.

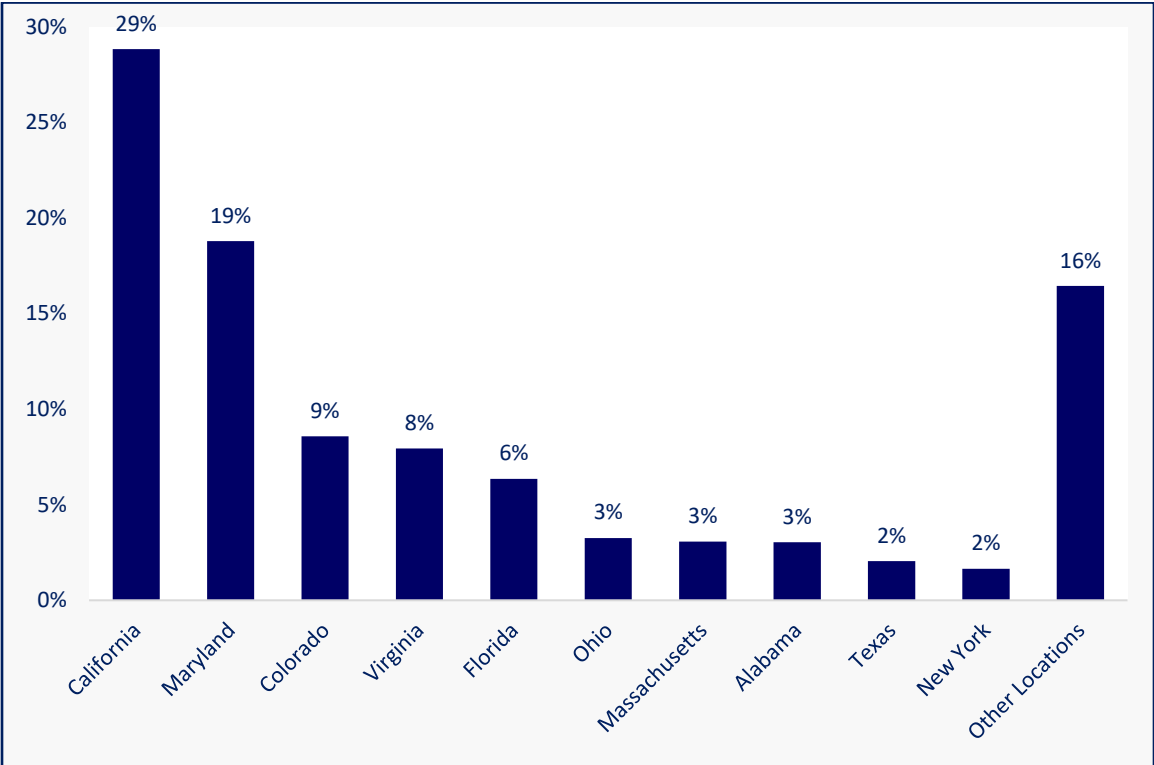
Table 6: NASA Procurement for Climate Change Research and Technology

State	Procurement		Pcard Purchases		Total	
	Amount (\$thousands)	%	Amount (\$thousands)	%	Amount (\$thousands)	%
Alabama	67,333	3.0	198	3.1	67,531	3.0
Alaska	14,019	0.6	0	0.0	14,019	0.6
Arizona	15,710	0.7	0	0.0	15,710	0.7
Arkansas	1,315	0.1	0	0.0	1,315	0.1
California	640,165	28.9	1,241	19.5	641,406	28.8
Colorado	190,798	8.6	0	0.0	190,798	8.6
Connecticut	18,322	0.8	0	0.0	18,322	0.8
Delaware	1,457	0.1	0	0.0	1,457	0.1
Florida	141,186	6.4	210	3.3	141,395	6.4
Georgia	8,331	0.4	0	0.0	8,331	0.4
Hawaii	5,706	0.3	0	0.0	5,706	0.3
Idaho	1,657	0.1	0	0.0	1,657	0.1
Illinois	11,779	0.5	0	0.0	11,779	0.5
Indiana	6,747	0.3	0	0.0	6,747	0.3
Iowa	2,296	0.1	0	0.0	2,296	0.1
Kansas	3,591	0.2	0	0.0	3,591	0.2
Kentucky	1,422	0.1	0	0.0	1,422	0.1
Louisiana	1,669	0.1	0	0.0	1,669	0.1
Maine	2,456	0.1	0	0.0	2,456	0.1
Maryland	415,696	18.7	2,206	34.7	417,902	18.8
Massachusetts	68,145	3.1	0	0.0	68,145	3.1
Michigan	20,700	0.9	0	0.0	20,700	0.9
Minnesota	3,436	0.2	0	0.0	3,436	0.2
Mississippi	18,794	0.8	30	0.5	18,823	0.8
Missouri	7,911	0.4	0	0.0	7,911	0.4
Montana	3,743	0.2	0	0.0	3,743	0.2
Nebraska	677	<0.1	0	0.0	677	<0.1
Nevada	2,999	0.1	0	0.0	2,999	0.1
New Hampshire	13,281	0.6	0	0.0	13,281	0.6
New Jersey	5,449	0.2	0	0.0	5,449	0.2
New Mexico	7,438	0.3	0	0.0	7,438	0.3
New York	36,690	1.7	0	0.0	36,690	1.6
North Carolina	18,007	0.8	0	0.0	18,007	0.8
North Dakota	524	<0.1	0	0.0	524	<0.1
Ohio	71,309	3.2	1,246	19.6	72,554	3.3
Oklahoma	32,465	1.5	0	0.0	32,465	1.5
Oregon	9,665	0.4	0	0.0	9,665	0.4
Pennsylvania	17,037	0.8	0	0.0	17,037	0.8

Rhode Island	1,368	0.1	0	0.0	1,368	0.1
South Carolina	1,672	0.1	0	0.0	1,672	0.1
South Dakota	9,850	0.4	0	0.0	9,850	0.4
Tennessee	20,981	0.9	0	0.0	20,981	0.9
Texas	45,191	2.0	206	3.2	45,397	2.0
Utah	9,298	0.4	0	0.0	9,298	0.4
Vermont	816	0.0	0	0.0	816	<0.1
Virginia	175,871	7.9	945	14.9	176,816	7.9
Washington	22,983	1.0	0	0.0	22,983	1.0
Washington, D.C.	22,404	1.0	70	1.1	22,475	1.0
West Virginia	4,242	0.2	0	0.0	4,242	0.2
Wisconsin	7,629	0.3	0	0.0	7,629	0.3
Wyoming	1,451	0.1	0	0.0	1,451	0.1
Other Places	154	<0.1	0	0.0	154	<0.1
United States	2,213,834	99.8	6,351	100.0	2,220,185	99.8
U.S. Territories	741	<0.1	0	0.0	741	<0.1
Other Countries	3,383	0.2	0	0.0	3,383	0.2
Total	2,217,958	100.0	6,351	100.0	2,224,309	100

Note: The Pcard purchase data did not identify any Pcard spending for the investments in climate change research and technology. We assumed that the share of Pcard purchases made for the investments in climate change research and technology is proportional to the climate change research and technology's share of overall NASA procurement in a given state. For example, 2% of NASA's overall procurement in Alabama is related to climate change research and technology. That means 2% of Pcard purchases in Alabama is assumed to be specific to climate change research and technology. "Other Places" refers to U.S. military bases overseas (i.e., Armed Forces Europe, Armed Forces Pacific; U.S. Territories include U.S. Virgin Islands and Puerto Rico; "Other Countries" refers to foreign countries. We include "Other Places" in the national model, but not in any of the state models or D.C. [The Bureau of Economic Analysis's National Economic and Product Accounts](#), which underlie the IMPLAN models, define the domestic economy of the U.S. as the 50 states, the District of Columbia, U.S. military installations, embassies, and consulates abroad. The definition excludes U.S. territories, including Puerto Rico. Based on this definition, procurement in "U.S. Territories" and "Other Countries" are excluded from the national model.

Figure 7: Share of Climate Change Research and Technology Procurement by Top Ten States



MODEL DEVELOPMENT

The model development process consists of scenario building and economic modeling stages that involve considerable judgment regarding how to translate the known information describing NASA economic activity (employment and contracting) into model entries, how to set the values of key parameters, and how to generate estimates for missing or incomplete data.

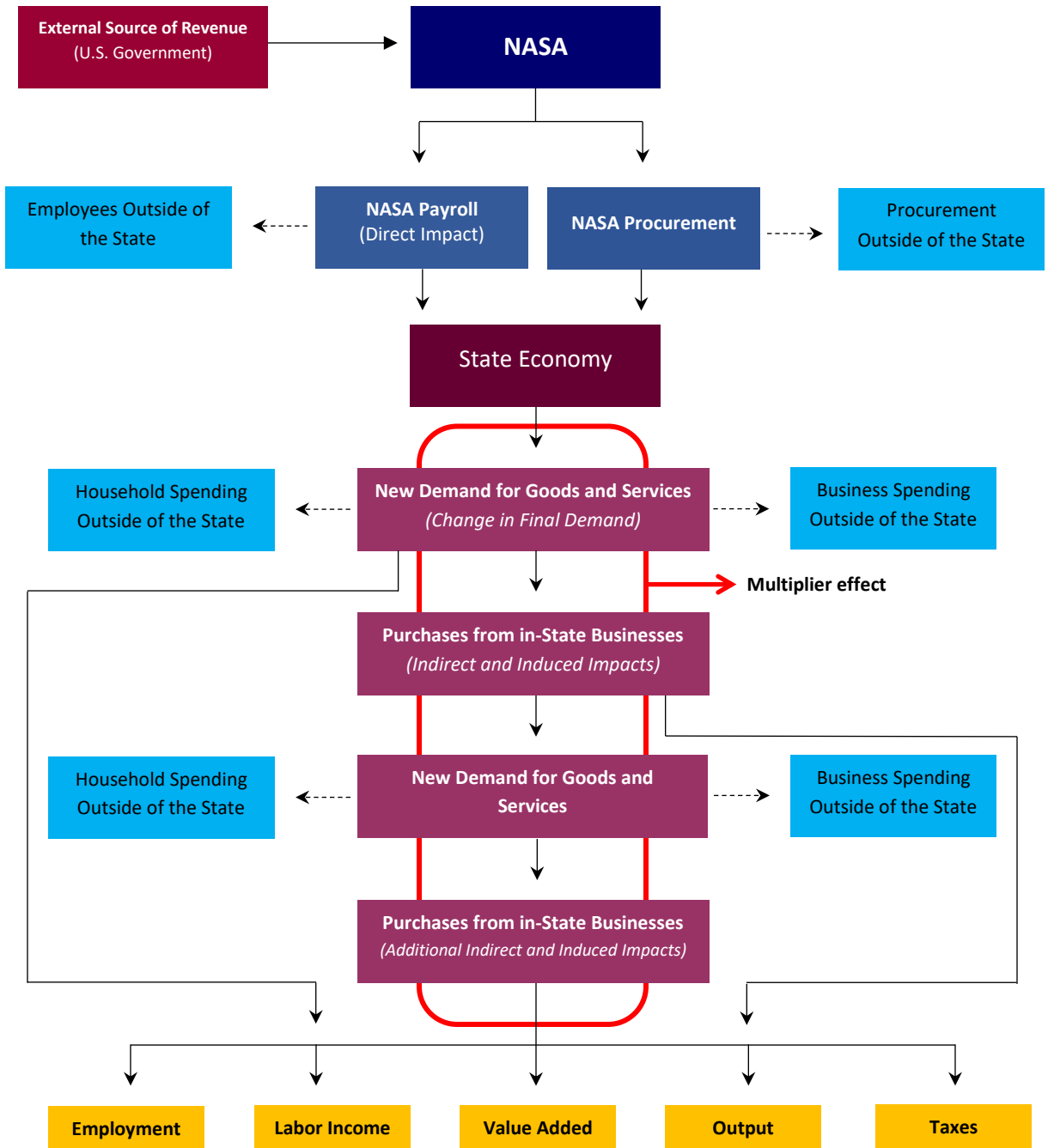
The scenario-building stage involves careful allocation of employment and contracting activities to the most appropriate industry sectors in the model and determining the geographic location of each of the economic activities to be modeled. This process appears straightforward initially but is more complicated, as it involves questions such as whether a contractor is a manufacturer or a distributor, whether foreign contractors engage with U.S.-based subcontractors, and whether contractors that have a presence in the local area site their main research or organizational units in close proximity or otherwise.

The economic modeling stage consists of building a descriptive input-output model in IMPLAN that can be applied to estimate the effects of the direct employment of NASA, contracting activities, and other aspects of the scenario on all of the sectors of the economy. This stage is where analysts may adjust the default input-output model constructed by the software to represent better the known features of the local economy and match the model assumptions to the particular scenarios being evaluated.

Scenario-Building

The premise of this economic impact assessment is that spending at and through NASA, the M2M campaign, and the investment in climate change research and technology represents an injection of resources into state economies by an external source: the federal government. As described in Section 2, the originator of the event (the source of the resources) determines the counterfactual scenario against which the economic impact analysis is measured. Federal employees' labor income at NASA constitutes an extra-local infusion of resources into the economies examined in this study. According to our scenario, the activities of NASA trigger a cascading series of economic activities in state economies by increasing demand for certain products and services (Figure 8).

Figure 8: Economic Impact of NASA on a State Economy



Note: This figure is adapted from Lendel and Park (2012). Payroll refers to the government agency (NASA). Procurement is only associated with government contracting.

In this process:

- **Direct effects** are comprised of NASA employment.
- **Indirect effects** are purchases of goods and services by NASA as well as by the industries that supply NASA. For example, an aerospace firm carrying out contract work for NASA may purchase electronic components and engineering consulting services from other firms to enable its own production.
- **Induced effects** are the impacts of the consumption spending by employees and business proprietors that is engendered by the direct and indirect effects. In other words, induced impacts result from the household spending of employees and owners of business establishments that supply NASA (indirect) and that earn income from employment at NASA facilities (direct). While direct and indirect impacts vary based on the types of goods and services being produced and purchased, induced impacts typically vary much less in type because they support general consumption. Because the average labor income of NASA employees exceeds the per capita income in the local economies examined, on a per capita basis, the induced impacts resulting from the expenditures of NASA employees are anticipated to exceed the induced impacts resulting from expenditures of employees of the industries that supply NASA.¹¹

This complex web of industrial relations and market transactions is represented by the input-output model in the IMPLAN software. The resulting mathematical formulae allow examination of the effects of change in one or several economic activities on an entire economy.

Study Area Designation and Local Expenditures

Defining the study area affects the extent of estimated impacts. The idea is to cover enough area to include the most important aspects of the impact, yet not too much area, or the effects will be swamped by extraneous economic activity. As impact regions become larger, estimated impact figures rise, and the meaning of a specific economic impact finding for a jurisdiction (e.g., a county or a state) becomes ambiguous in terms of its policy implications. A typical approach is to approximate a functional economic area—a reasonably self-contained economic unit. A functional economic area includes the places where a majority of people live, work, and shop, and sometimes can be identified by physical characteristics or resident behavior.

¹¹ The IMPLAN model accounts for local commuting patterns. For example, if 20% of the workers in a particular industry (e.g., retail) who work in the region live outside of the region, the model will allocate 80% of labor's disposable income into the model to generate induced impacts. The model excludes payments to federal and state taxes and savings based on the locality's average local tax and savings rates. Thus, only the disposable incomes of local workers are included in the model.

There are 52 distinct geographic areas examined in this study.¹² As described in Section 3, NASA employee residences are concentrated in certain states. Contracting activity, however, is spread across the U.S.

Every impact analysis starts with local expenditures. Local expenditures are the changes in demand (events) that occur within the study region and constitute the direct impacts. Below, we describe how local expenditure figures were derived for each of the impact regions.

NASA Impacts:

1. Fifty (50) states and Washington, D.C.: We estimated the portion of employment and contracting activity using state locations of employee residences and vendors.
2. U.S.: All employment and contracting activities are included in the national model except for contractors.

M2M Impacts:

1. Fifty (50) states and Washington, D.C.: We estimated the portion of M2M-specific employment and contracting activity using state locations of employee residences and vendors.
2. U.S.: All employment and contracting activities attributable to the M2M campaign are included in the national model.

Investments in Climate Change Research and Technology Impacts:

3. Fifty (50) states and Washington, D.C.: We estimated the portion of climate change research and technology-specific employment and contracting activity using state locations of employee residences and vendors.
4. U.S.: All employment and contracting activities attributable to the investments in climate change research and technology are included in the national model.

Leakage of Economic Activity in State Models

Leakage of economic activity from a region occurs because local industries are not able to supply all of the intermediate inputs required to produce the change in final demand. In the short run, this may be due to constraints on supply (i.e., producers cannot quickly produce larger quantities of inputs); in both the short and long run, suppliers that produce the required inputs may not exist within the region.

Because of the leakage of economic activity, initial NASA labor income and procurement spending leads to successive rounds of new spending in the impact area (i.e., states) that diminish in size as some economic activity leaves the region in the form of spending outside the local economy (Bess and Ambargis, 2011). (Savings activity also causes later

¹² The U.S. as a whole, each of the 50 states, and Washington, D.C.

rounds of spending to decrease in size compared to initial spending.) The higher the level of leakage, the smaller the total economic impact due to the initial change in the economy.

Typically, economic impact analyses assume that economic activity that leaks out of the impact area has no further effect on the local economy. This assumption may yield an underestimate of local economic impact to the extent that some portion of the leakage “returns”. For instance, a non-local input supplier may itself purchase some of its inputs from within the region being analyzed. In most cases it is not possible to model such return leakage. In conducting an analysis of a single region that is relatively small in comparison to the nation (e.g., a state or a county), however, this return leakage normally is negligible relative to other uncertainties in the impact modeling process.

Economic activity leakage represents a more significant challenge when modeling impacts for a group of regions that substantially trade goods and services among one another. In such a case, it becomes important to account for leakage in the modeling process or impacts for each region would be underestimated. To clarify this concept, consider the example of manufacturing a jet engine. If the production of the engine in state A requires the purchase of turbine blades from state B, then this purchase is a leakage from state A. That means the purchases of goods and services associated with the production of the blades are also excluded from the multiplier of state A. That is to say, if the blade manufacturer in state B purchases quality control services from state A, then the impact of the increase in demand for engineering services from state A is also excluded from the multiplier of state A because the multiplier does not include such feedback effects (return leakage). This is a simple example of unaccounted leakage between two states with three rounds of spending.¹³ The challenge in the current study is much greater as we are dealing with leakage occurring among fifty (50) states plus D.C. with thousands of rounds of spending.

In order to account for the leakage of economic activities from state models, ideally, we might estimate a multi-regional input-output model that includes estimates of the supply and purchase interactions among fifty-one regions (50 states plus D.C.) simultaneously. This is (currently) not feasible due to data and computational limitations. Instead, we follow a three-step, post-modeling approach to capture inter-regional leakage effects. First, we run each state model independently to obtain estimates of the indirect and induced effects occurring in states due to initial NASA spending. Second, we sum these indirect and induced effect estimates across the fifty states and D.C. and subtract this cumulative total from the national total. Third, we allocate the difference found in Step 2 (i.e., the amount un-apportioned due to leakage across state boundaries) to states in proportion to their shares of indirect and induced effects calculated in Step 1. This

¹³ As noted by Coughlin and Mandelbaum (1991), the inability to fully capture interregional feedback effects is one of the biggest limitations of input-output models.

approach forces the national model and the state-level models to be consistent in terms of the magnitude of impacts.

Although the approach generates total national impact figures that are as accurate as possible, it does retain uncertainty at the state level, reflecting the assignment of the un-apportioned impacts to particular states. Because we do not have information on the destination of leakages, we probably overestimate the impact in some states and underestimate it in others. Overestimation would occur if a given state in reality captures a smaller share of the un-apportioned amount than what we allocate. Underestimation would occur if a given state in reality captures a larger share of the un-apportioned amount than what we allocate. Based on the share of the un-apportioned amount in the national total and the state-level industry information available from IMPLAN, we judge that the typical error is likely approximately 15% for NASA models; 17%¹⁴ for M2M models; and 15% for CC models.

Economic Modeling

In this section, we describe how various data items discussed in the previous section are translated into economic events and activities. This step enters the inputs into the impact model, and the economic impact figures (discussed in Section 6) derive from the numbers generated in this step. Before we provide details of the model specification, we briefly review the modeling software, IMPLAN.

IMPLAN is a widely used impact analysis program based on a regional input-output model. At the heart of the model is a matrix of dollar flows called the social accounting matrix (SAM) that is estimated from a combination of national benchmark input-output data and regional information. This matrix accounts for all the dollar flows among different sectors of the regional economy. Unlike some other input-output models, which represent only the purchasing relationships between industry and household sectors, the SAM in IMPLAN includes the economic relationships among government, industry, and household sectors, allowing the modeling of transfer payments such as unemployment insurance.

Using this information, the IMPLAN software models the way a dollar injected into one sector is spent and then circulated through other sectors of the economy, generating waves of economic activity, or so-called “economic multiplier” effects. The model generates a series of multipliers that, in aggregate, describe the economic repercussions of the original activity. For direct events entered in the form of employment, IMPLAN applies estimates of the average output and compensation per worker to translate the direct effects into monetary value figures. It then applies the value of an event to local

¹⁴ This estimate excludes Maine. The value of this estimate would be erroneously higher if we include Maine because the state receives all M2M-specific contracts in one specific sector (other aircraft parts and auxiliary equipment manufacturing).

and national sector-specific production functions and traces these values through subsequent cycles of transactions and payments to estimate the indirect and induced impacts. During each of these cycles, the procedure removes expenditures to government, savings, and extra-local purchases, so that the results reflect only those transactions that impact the local economy.

The process of model development and impact estimation consists of the following steps:

1. Identify new events (direct impacts) to be introduced into the model.
The labor income of employees at NASA facilities and the procurement spending originating from NASA are the direct impacts.
2. Identify the industry sectors affected.
For all NASA activity, we allocated vendors and corresponding contracting totals to industry sectors based on NASA's descriptions of what the contract entails. Descriptions of many of the manufactured items and services rendered were provided, and we used this information to allocate corresponding contracting totals to appropriate industries. In cases where a description was not available or was not explicit enough to allow us to select an industry, we conducted additional web searches visiting vendor companies' web sites and made a selection accordingly. We followed the same procedure for activities related to the M2M campaign and the investments in climate change research and technology.
3. Enter the transaction value dollars based on the year of the model.
Each dollar value must be specified as either purchaser or producer prices. Producer prices are those paid at the factory door, the amount that a producing firm receives for its output. Input-output models in IMPLAN are specified in producer prices.
4. Customize IMPLAN coefficients as appropriate.
We utilized 2019 IMPLAN data to construct the input-output model.¹⁵ 2019 was the most current dataset available at the initiation of the study that is not impacted by the pandemic. The NASA employment and procurement figures are for Fiscal Year 2021. Because input-output relationships among industries usually do not change substantially over relatively short periods of time, the relationships that existed among industries in 2021 are reasonable approximations to those that existed in 2019.

Other than the figures entered to signify new events, the ratio of locally purchased to imported goods is perhaps the most significant numerical figure that affects the multipliers and impact estimates derived from an input-output model. The greater the fraction of goods and services purchased locally, the more local economic activity will be stimulated, and hence the larger the resulting multiplier. For all regional models

¹⁵ Economic impact modeling data are available at <https://www.implan.com/data/>.

other than the national model, we retained the default model estimates, termed Regional Purchase Coefficients (RPCs). RPCs are derived from an econometric equation that predicts local purchase proportions based on the region's characteristics. In the absence of specific information to justify a different approach, the default RPCs typically are the most appropriate choice.

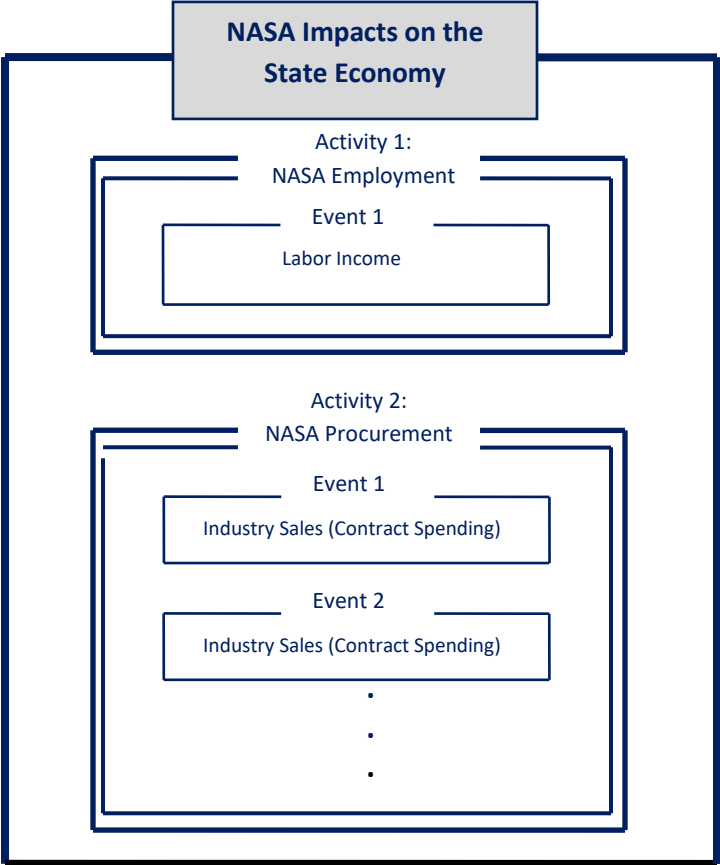
For the national model, no econometric model exists within IMPLAN, and the supply/demand pooling method was used to estimate the RPCs. This method takes into account the national situation where there is no need to estimate interregional (domestic) trade flows, but rather the proportion of demand that is met by the U.S. as opposed to foreign suppliers. The supply/demand pooling method applies data on U.S. foreign exports to estimate the retained portion of each commodity as satisfying domestic demand and assumes that each commodity is sourced domestically first until production is exhausted.¹⁶ In comparison with the regional RPCs, the supply/demand pooling method yields maximum estimates; that is, no more local commodity can be purchased than is locally produced (IMPLAN, 2004). Consequently, we anticipate greater impacts per employee and per dollar of procurement spending nationally than individual states.

5. Operate the software to generate estimates of the impact of the events on the study area economy.

For this study, we generated six separate categories of activities: (1) NASA employment, (2) NASA procurement, (3) M2M employment, (4) M2M procurement, (5) climate change research and technology employment, (6) climate change research and technology procurement. Each of these activities is in turn a collection of events (changes in labor income or industrial sales in particular industry sectors—see Figure 9 below) and is replicated as necessary for the different geographic regions studied (over 50).

¹⁶ The designers of the IMPLAN software suggest that this assumption is appropriate for the national context, in which typically there is little advantage to procuring substitutable commodities from foreign rather than domestic suppliers, and it makes even more sense for the specialized portions of the supply chains following from NASA procurement.

Figure 9: Impact Organization



Note: This figure is adapted from IMPLAN (2004).

IMPACT ESTIMATION DECISIONS

The types of employment and procurement data and the assumptions made in the scenario development and model building stages have implications for impact estimates presented in the following section (see Box 6).

First, there may be slight overestimation involved in our results for certain states where businesses engage in subcontracting activity that deviates from the model assumptions. Contractors whose main research or organizational units are located elsewhere but have a presence in a certain state might engage in subcontracting relations with businesses near the location of their headquarters rather than their remote location. Because we assumed that institutions in these conditions would procure locally (according to the RPCs as estimated in the model) and that the resulting household income/spending would occur locally as well, the impacts of such institutions on certain states may be overestimated.

Second, we chose not to include travel expenditures related to business trips by employees at NASA facilities. The rationale behind this decision is lack of evidence indicating that business transactions related to operations of NASA lead to more-than-average travel (as is modeled automatically). That is, the economic impact model estimates travel-related expenditure impacts as a standard byproduct of business transactions occurring in the economy. If such travel is more frequent than average, the impact results are likely to be underestimated slightly.

Third, our impact modeling, like any other estimation approach using IMPLAN, captures only traceable business transactions occurring in the economic system. Not all positive economic impacts are traceable via input-output transactions. Research and development (R&D) conducted at NASA centers and by its suppliers in the aerospace industry may benefit businesses in related industrial fields, either through NASA activities augmenting those businesses' own research and development efforts, or by making it possible for those firms to employ more efficient production technologies. Either case will result in increases in productivity for the economy as a whole (Jaffe *et al.*, 1993; Shapiro, 2015). These effects are termed externalities or spillovers and cannot be captured in economic impact analyses based on input-output models. Given that the industries deriving the most benefit from direct NASA spending are scientific research¹⁷ and development services (accounting for 61% of NASA procurement spending), the total economic impacts of NASA activities might exceed the estimates reported in this study.

¹⁷ Basic research provides larger spillover benefits than that of development research because development spillovers are largely internalized by patent policy that provides monopoly power to firms with innovative products. Intellectual property rights do not as thoroughly internalize more general and theoretical basic research externalities.

Finally, tourism activity related to the presence of NASA facilities and associated space museums may generate additional economic impacts for states. This impact analysis does not include these tourism effects. Specific data quantifying visitor volume, origin, and expenditure patterns could be used to incorporate tourism impacts in future analysis.

Box 6: Potential Sources for Over- or Under-estimation of Economic Impacts

Subcontracting activity: Impacts are calculated based on a combination of the industry-specific subcontracting relationships that exist nationwide and in the model area. To the extent that businesses engage in subcontracting activity that deviates from the national and regional averages, impacts could be over- or underestimated depending on the direction of deviation. There is likely slight overestimation for states with NASA contractors whose location is different from their parent companies' location (i.e., subsidiaries or branch plants). On the other hand, there is likely slight underestimation for states with NASA contractors whose location is the same as the company's headquarters. Unfortunately, we are not able to quantify the magnitude of the over- or underestimation for different states without specific subcontracting information for NASA contractors.

Business travel: To the extent that NASA's business travel is more frequent than the average for the related industry in the model, the impact results are underestimated slightly for states that are the destinations of trips that host commercial airline headquarters. If NASA's business travel is less frequent than the model industry average, the impact results are overestimated slightly for the same states.

NASA center and museum visitors: Due to lack of data on visitor numbers and associated spending, we are not able to model the economic impacts of visitors to NASA facilities. Therefore, impact estimates for states that attract substantial visitors (particularly those hailing from outside of the state) are likely underestimated. Specific data quantifying visitor volume, origin, and expenditure patterns could be used to incorporate tourism impacts in future analyses.

RESULTS ANALYSIS

In this section, we present estimates of NASA, M2M, and the investments in climate change research and technology impacts on the U.S. as a whole, the fifty (50) states, and Washington, D.C. For each region, we first analyze overall NASA impacts and then examine M2M and the investments in climate change research and technology impacts. Finally, we specify the portion of NASA impacts attributable to the M2M campaign and the investments in climate change research and technology, respectively, to highlight the relative contribution of activities in every state.

The economic impact is examined through a detailed analysis of the changes in employment, output (gross sales), labor income, value added¹⁸, and taxes¹⁹ due to NASA's activities.²⁰ First, summary impacts are presented, organized by the type of impact. Second, for employment and output, two of the most important impact categories, results are examined by NASA employment and procurement components.²¹ The detailed disaggregation of economic impacts by their sources highlights the relative contributions of NASA's employment and procurement activities to the overall NASA impacts. Third, for each of the impact categories, the ten most heavily impacted industries are described.²²

Economic Impacts on the United States

NASA Impacts

At the national level, NASA directly employs 19,319 civil servants (17,736 FTE jobs)²³, with annual compensation of more than \$3.2 billion in wages and benefits. The contracting activity originating from NASA (\$21.2 billion) is both large in volume and very diverse— involving most categories of manufacturing or service industry. There are indirect effects from purchases of goods and services by NASA as well as by the firms that supply NASA. Consumption expenditures made by employees of NASA, NASA's suppliers, and suppliers further up the production chain, create induced effects. Taking the domestic portions of these spending streams into account, the total employment impact of NASA across the U.S. is 339,645 jobs (including direct, indirect, and induced impacts—see Box 1 in Section 1). The labor income and economic output associated with this total amount of employment are, respectively, \$25.7 billion, and \$71.2 billion. Contracting activities along

¹⁸ Please refer to Box 2 in the introduction (Section 1) for the definition of value added.

¹⁹ Unless otherwise mentioned, all monetary values correspond to 2021 dollars.

²⁰ Please note that due to rounding column and row totals may not be exactly equal to the sum of columns or rows throughout the report.

²¹ Separate impacts for NASA employment and procurement components are presented in the Appendix.

²² This analysis includes only those states in which the total employment impact is greater than 10,000 jobs.

²³ The number of civil servants excluding those residing in U.S. territories is 19,312 (17,732 FTEs). These are the figures used in the national economic impact model.

with NASA’s direct employment generated \$7.7 billion in federal, state, and local tax revenues in 2021 (Table 7).

Multipliers give additional insight as to how the economy is affected by an initial economic change (see Box 7 below and Box 3 in Section 1). For every civil service FTE job located at NASA, an additional 18.2 jobs are supported throughout the U.S. economy.²⁴ The income multiplier is 7.9: for each \$1 million of labor income earned by NASA employees, an additional \$6.9 million in labor income is generated in the U.S. economy. The output multiplier is 8.2. For each \$1 million’s worth of output generated at NASA, an additional \$7.2 million of output (intermediary and final goods and services) is generated throughout the U.S. economy.

Box 7: Multiplier Considerations

The multipliers referenced in this section, and in particular the employment multiplier, are larger than is typical for this kind of impact study due to the volume of NASA’s contracting activity, all of which is classified as indirect impact. Please note that if additional (or reduced) civil service employees are not associated with additional (or reduced) contracting activity at a comparable scale, then it may be inappropriate to use the employment multiplier to estimate future economic impacts of changes in civil service employment at NASA centers. Multipliers calculated in the conventional way are provided in the Appendix and they are comparable to multipliers found in similar studies.

Multipliers are calculated for only those states with direct NASA employment. Every state has different multipliers, and state multipliers normally are smaller than national multipliers. The size of the multiplier changes depending on the size and diversity of the economy analyzed. Large and sectorally diverse economies such as those of the states of Texas or California tend to have larger multipliers than smaller or less diverse economies such as in the states of Rhode Island or Wyoming.

Multiplier magnitudes are determined by the quantity of supply chain linkages and range of consumer goods and services available within the economy. Therefore, states in which firms often procure inputs locally and consumers generally spend a larger portion of their income locally tend to have larger multipliers than states that do not have strong supply chain linkages and fewer options for consumers.

²⁴ “Supports” means partial or full support. We use “supported” instead of “created” to be conservative in our attribution of impacts to NASA. While NASA activities create new positions in some sectors of the economy, in many instances NASA helps sustain existing jobs in the economy.

Table 7: Summary of NASA Impacts by Types of Impact, the United States

Impact Type	Employment ²⁵	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17,732	3,251,378	3,775,977	8,638,410	724,495
Indirect	174,748	14,197,136	20,130,625	36,301,543	3,823,973
Induced	147,165	8,315,271	14,757,986	26,302,583	3,215,235
Total	339,645	25,763,785	38,664,588	71,242,536	7,763,703
<i>Multiplier</i>	<i>19.2</i>	<i>7.9</i>	<i>10.2</i>	<i>8.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

Beside overall impact figures, it is useful to examine the source of impacts to better understand the contribution of different NASA activities to the U.S. economy.²⁶ Table 8 examines the sources of the employment figures presented in the second column of Table 7. Procurement spending originating from NASA is responsible for the largest portion of overall NASA employment impacts. Nearly 87% of the jobs supported throughout the U.S. economy by NASA are due to procurement spending, leaving the share of NASA’s direct employment in the overall employment impact at around 13%.

Table 8: NASA Employment Impacts by Sources of Impact, the United States

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	17,732	39.3	0	0.0	17,732	5.2	100.0	0.0
Indirect	0	0.0	174,748	59.3	174,748	51.5	0.0	100.0
Induced	27,401	60.7	119,764	40.7	147,165	43.3	18.6	81.4
Total	45,133	100	294,512	100	339,645	100	13.3	86.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 9 examines the sources of the output figures in the fifth column of Table 7. Similar to employment impact, procurement spending originating from NASA is responsible for the lion’s share of overall NASA output impacts (81%). NASA employment’s share of the

²⁵ While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, indirect and induced employment components refer to a combination of full-time and part-time positions.
²⁶ Here, the focus is on the two most important categories of the economic impact analysis: employment and output. Analogous tables for labor income and value added categories are contained in the Appendix.

overall output impact is 19%. The reason that NASA employment’s share of the output impact exceeds its share of employment impact is that employees at NASA produce more output per worker than the average for employees in the supply chain of NASA procurement.

Table 9: NASA Output Impacts by Sources of Impact, the United States

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	8,638,410	63.8	0	0.0	8,638,410	12.1	100.0	0.0
Indirect	0	0.0	36,301,543	62.9	36,301,543	51.0	0.0	100.0
Induced	4,901,399	36.2	21,401,184	37.1	26,302,583	36.9	18.6	81.4
Total	13,539,809	100	57,702,727	100	71,242,536	100	19.0	81.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

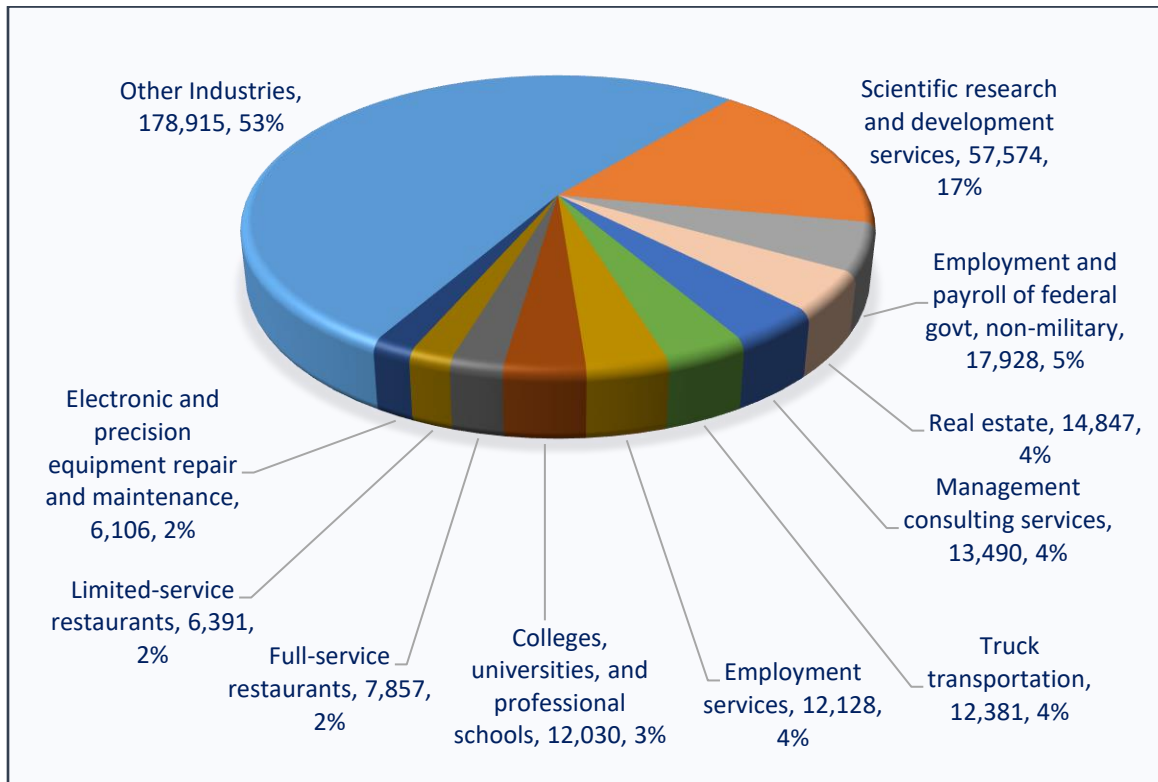
339,645 jobs in the U.S. economy were supported by NASA activities in Fiscal Year 2021.

Of these, 17,732 (6%) were directly located at NASA centers. As a result of the procurement of goods and services in the U.S. economy, 174,748 additional jobs (51%) were created. The remaining employment—147,165 jobs (43%)—was in the form of induced impacts as labor income and proprietor earnings were spent in the wider consumer economy.

Figure 10 depicts the ten most impacted industries by employment. Scientific research and development services and federal government²⁷ are the most impacted industries, respectively. These two industries together account for 22% of the jobs created. The employment in scientific research and development services is driven largely by NASA procurement spending. This industry accounted for approximately 61% of NASA procurement spending in Fiscal Year 2021. The impact in the federal government sector represents mainly civil service employees working for NASA.

²⁷ Employment and payroll of federal government (non-military) is only included as an industry in supply chain analysis via employment. We only consider impacts to this industry from employment, not from contracting or indirect purchases.

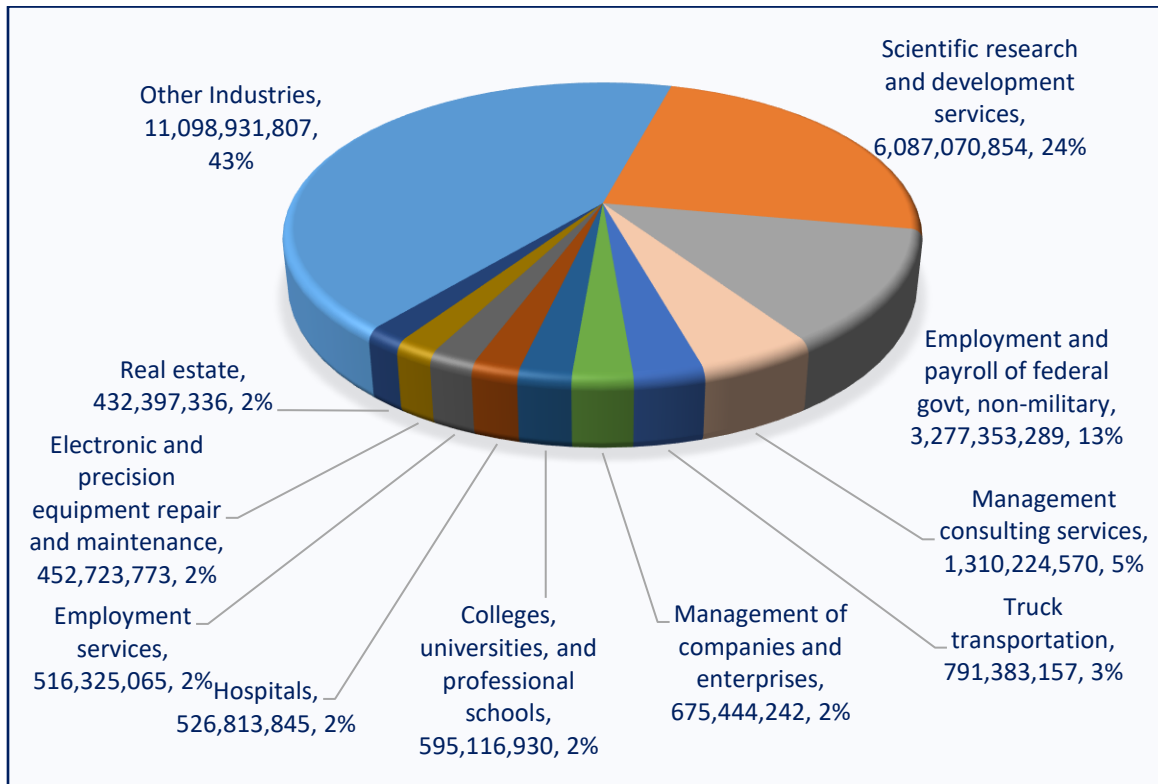
Figure 10: Top Ten Most Impacted Industries by Employment, the United States (NASA)



The total income impact of NASA in the U.S. was \$25.7 billion in Fiscal Year 2021. Of this amount, \$3.2 billion (13%) represented wages and benefits paid to NASA employees (direct impact). Payments to employees of private firms and organizations across the nation that supplied goods and services to NASA (indirect impact) represented \$14.2 billion (55%). The remaining income (induced impact), estimated to be \$8.3 billion (32%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 11 depicts the ten most impacted industries by labor income. Scientific research and development and management consulting services are the most impacted industries by income (along with the federal government sector). The three industries together account for 42% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the national average. As of 2019, the average employee compensation in the scientific research and development services industry was \$105,727 (including benefits), compared to an average of \$64,498 across the country.

Figure 11: Top Ten Most Impacted Industries by Labor Income, the United States (NASA)



Box 8: Overlap between Labor Income, Value Added, and Output

These categories are not mutually exclusive—they overlap significantly (i.e., labor income is a subset of value added, and value added in turn is a subset of output). Therefore, adding these values is double counting of impacts.

Labor Income = Employee Compensation + Proprietor Income – Taxes

Value Added = Labor Income + Taxes + Other Property Type Income (Profit)

Output = Value Added + Intermediate Purchases (Business to Business)

Labor income equals employee compensation (wages and benefits) and proprietor income.

Proprietor income consists of payments received by self-employed individuals and unincorporated business owners.

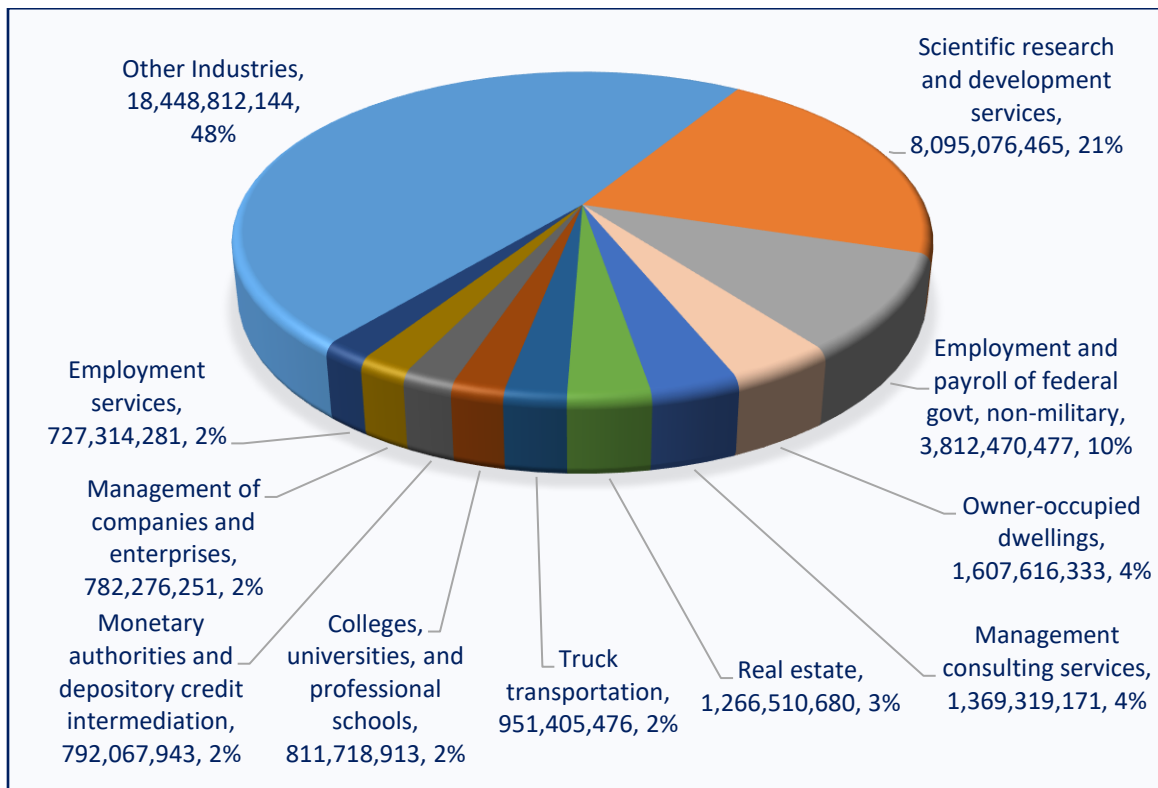
Profits (net of taxes), also referred as other property type income, include corporate profits, capital consumption allowance, payments for rent, dividends, royalties, and interest income.

Intermediate purchases (Business to Business) are purchases of goods and services such as energy and materials that are used for the production of other goods and services rather for final consumption.

The total value added impact of NASA in the U.S. was \$38.6 billion in Fiscal Year 2021. Of this amount, approximately \$3.8 billion (10%) was created by civil service employees and \$20.1 billion (52%) was created indirectly by the \$21.2 billion in procurement spending across all industry sectors in the country. Around \$14.7 billion (38%) was generated by increased consumption spending supported by increased earnings.

Figure 12 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development services is the most impacted industry (along with the federal government sector). The two industries together account for 31 percent of the total value added created. NASA activities accounted for an increase of \$8 billion in value added in scientific research and development services. \$3.8 billion dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

Figure 12: Top Ten Most Impacted Industries by Value Added, the United States (NASA)

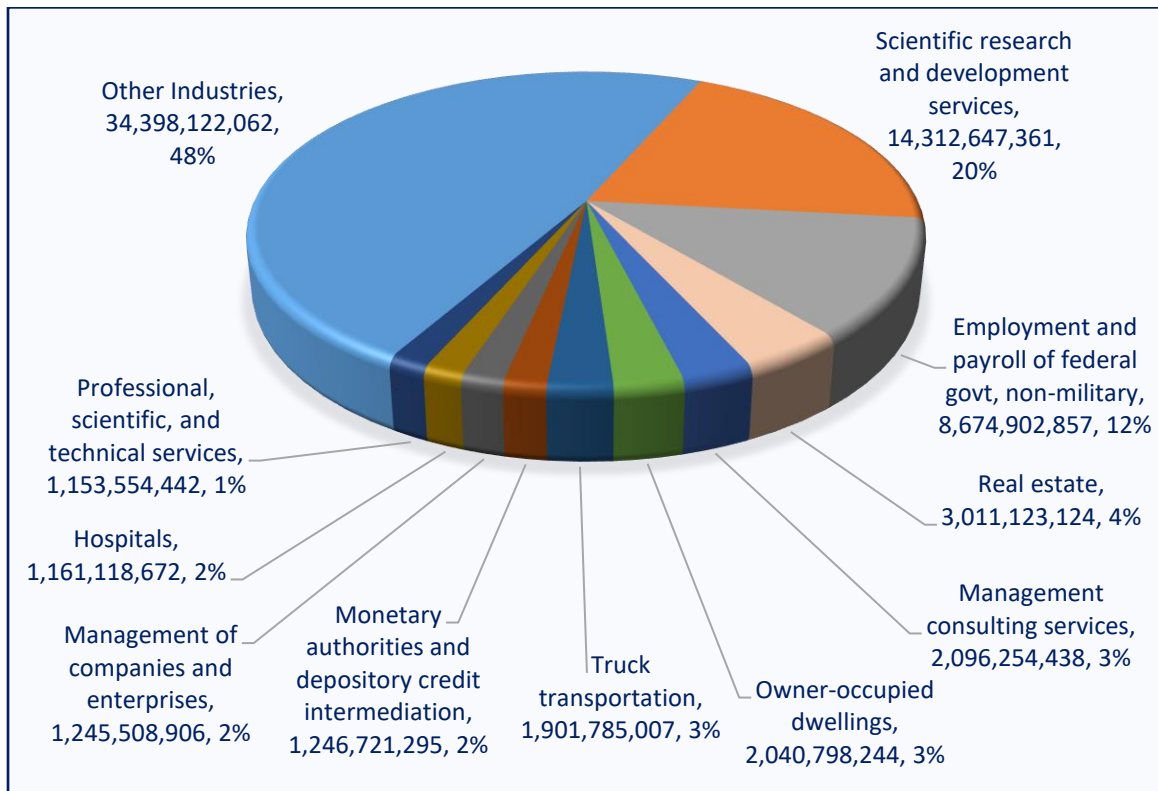


The total output impact of NASA in the U.S. was \$71.2 billion in Fiscal Year 2021. The direct impact of \$8.6 billion constitutes the value of production by NASA employees, accounting for around 12% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$21.2 billion resulted in an additional increase in output (gross sales) of \$15.1 billion across all industry sectors

(adding up to the indirect total of \$36.3 billion in Table 7). \$26.3 billion (37%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of more than \$14 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services (Figure 13). Similar to employment, impacts in this industry are largely driven by NASA procurement spending; scientific research and development services accounted for approximately 61% of NASA procurement spending in Fiscal Year 2021. Sales in real estate and management consulting services are also impacted significantly. The sizable impact in the real estate industry is a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 13: Top Ten Most Impacted Industries by Output, the United States (NASA)



M2M Campaign Impacts

At the national level, NASA directly employs 4,644 civil servants (2,474 FTEs) for the M2M campaign, with annual compensation of \$440.2 million in wages and benefits. The M2M-related contracting originating from NASA (nearly \$6.7 billion) is both large in volume and very diverse—involving almost every major category of manufacturing or service activity. There are indirect effects from the purchases of goods and services by NASA Centers as

well as by the firms that supply those centers. Consumption expenditures made by the M2M labor force, by suppliers to the M2M campaign, and by suppliers further upstream within the production chain, create induced effects. Taking the domestic portions of these spending streams into account, the total employment impact of the M2M campaign across the U.S. is 93,731 jobs (including direct, indirect, and induced impacts—see Box 1 in Section 1). The labor income and economic output associated with this total amount of employment are, respectively, \$7.1 billion and \$20.1 billion. M2M contracting activities along with NASA’s direct employment for the M2M campaign generated an estimated \$2.2 billion in federal, state, and local tax revenues in 2021 (Table 10).

Table 10: Summary of M2M Campaign Impacts by Types of Impact, the United States

Impact Type	Employment ²⁸	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,474	440,200	526,766	1,205,097	98,088
Indirect	50,454	4,397,490	6,342,130	11,609,524	1,189,152
Induced	40,803	2,305,513	4,091,784	7,292,608	891,452
Total	93,731	7,143,203	10,960,680	20,107,229	2,178,692
<i>Multiplier</i>	<i>37.9</i>	<i>16.2</i>	<i>20.8</i>	<i>16.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different M2M-specific NASA activities to the U.S. economy. Ninety-three (93) percent of the employment impacts and ninety-one (91) percent of the output impacts are due to M2M procurement.

Table 11: M2M Campaign Employment Impacts by Sources of Impact, the United States

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2,474	40.0	0	0.0	2,474	2.6	100.0	0.0
Indirect	0	0.0	50,454	57.6	50,454	53.8	0.0	100.0
Induced	3,710	60.0	37,093	42.4	40,803	43.5	9.1	90.9
Total	6,184	100	87,547	100	93,731	100	6.6	93.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

²⁸ While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, indirect and direct employment components refer to a combination of full-time and part-time positions.

Table 12: M2M Campaign Output Impacts by Sources of Impact, the United States

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,205,097	64.5	0	0.0	1,205,097	6.0	100.0	0.0
Indirect	0	0.0	11,609,524	63.7	11,609,524	57.7	0.0	100.0
Induced	663,595	35.5	6,629,013	36.3	7,292,608	36.3	9.1	90.9
Total	1,868,692	100	18,238,537	100	20,107,229	100	9.3	90.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

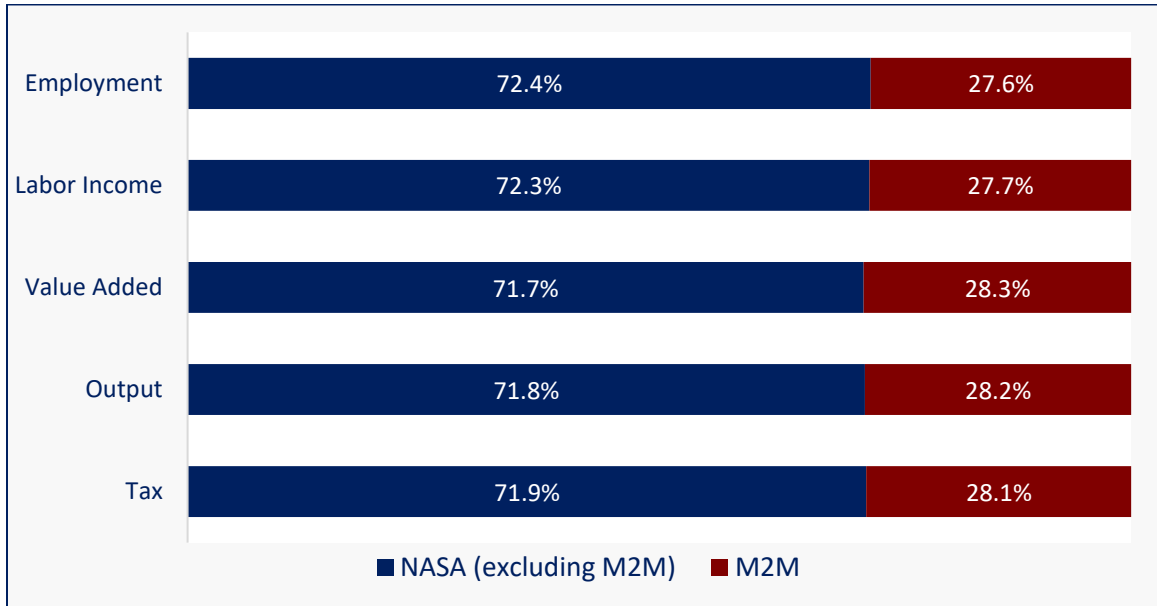
The M2M Campaign's Share of NASA Impacts

Approximately 28% of overall NASA agency impacts in the U.S. are attributable to the M2M campaign (Table 13 and Figure 14). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for M2M is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 13: The M2M Campaign Portion of Overall NASA Impacts, the United States

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	339,645	25,763,785	38,664,588	71,242,536	7,763,703
M2M Portion	93,731	7,143,203	10,960,680	20,107,229	2,178,692
M2M Share (%)	27.6%	27.7%	28.3%	28.2%	28.1%

Figure 14: The M2M Campaign Portion of Overall NASA Impacts, the United States



Investments in Climate Change Research and Technology Impacts

At the national level, NASA directly employs 3,668 civil servants (1,844 FTEs)²⁹ for climate change research and technology, with annual compensation of nearly \$330 million in wages and benefits. Investments in climate change research and technology contracts originating from NASA (\$2.2 billion) are both large in volume and very diverse—involving almost every major category of manufacturing or service activity. There are indirect effects from the purchases of goods and services by NASA Centers as well as by the firms that supply those centers. Consumption expenditures made by the climate change research and technology labor force, by suppliers to the investments in climate change research and technology, and by suppliers further upstream within the production chain, create induced effects. Taking the domestic portions of these spending streams into account, the total employment impact of the investments in climate change research and technology across the U.S. is 37,005 jobs (including direct, indirect, and induced impacts—see Box 1 in Section 1). The labor income and economic output associated with this total amount of employment are, respectively, \$2.7 billion, and \$7.4 billion. The investments in climate change research and technology along with NASA’s direct employment for climate change research and technology generated an estimated \$810 million in federal, state, and local tax revenues in 2021 (Table 14).

²⁹ The number of civil servants including those residing in U.S. territories is 3,669 (1,845 FTEs).

Table 14: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States

Impact Type	Employment ³⁰	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,844	329,851	392,681	898,349	73,500
Indirect	19,630	1,511,670	2,126,526	3,736,565	397,125
Induced	15,531	877,542	1,557,550	2,775,991	339,335
Total	37,005	2,719,063	4,076,757	7,410,905	809,960
<i>Multiplier</i>	<i>20.1</i>	<i>8.2</i>	<i>10.4</i>	<i>8.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different climate change research and technology-specific NASA activities to the U.S. economy. Eighty-seven (87) percent of the employment impacts and eighty-one (81) percent of the output impacts are due to NASA procurement for climate change research and technology.

Table 15: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, the United States

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1,844	39.9	0	0.0	1,844	5.0	100.0	0.0
Indirect	0	0.0	19,630	60.6	19,630	53.0	0.0	100.0
Induced	2,780	60.1	12,751	39.4	15,531	42.0	17.9	82.1
Total	4,624	100	32,381	100	37,005	100	12.5	87.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

³⁰ While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, indirect and direct employment components refer to a combination of full-time and part-time positions.

Table 16: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, the United States

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	898,349	64.4	0	0.0	898,349	12.1	100.0	0.0
Indirect	0	0.0	3,736,565	62.1	3,736,565	50.4	0.0	100.0
Induced	497,244	35.6	2,278,747	37.9	2,775,991	37.5	17.9	82.1
Total	1,395,593	100	6,015,312	100	7,410,905	100	18.8	81.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

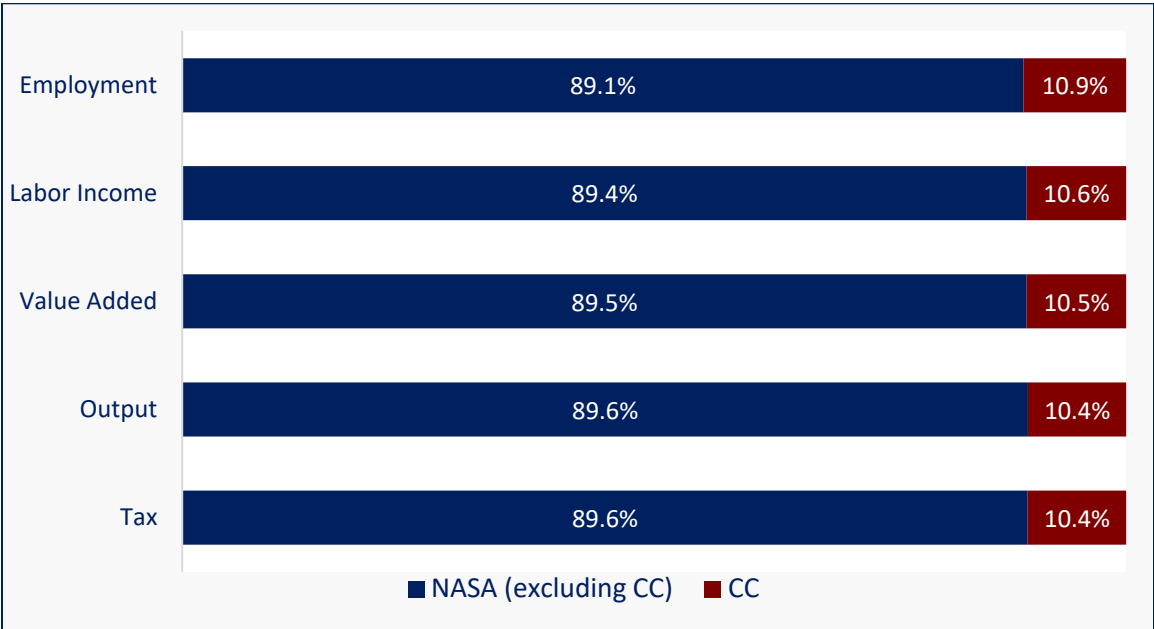
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Approximately 11% of overall NASA agency impacts in the U.S. are attributable to the investments in climate change research and technology (Table 17 and Figure 15). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 17: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, the United States

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	339,645	25,763,785	38,664,588	71,242,536	7,763,703
CC Portion	37,005	2,719,063	4,076,757	7,410,905	809,960
CC Share (%)	10.9%	10.6%	10.5%	10.4%	10.4%

Figure 15: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, the United States



Economic Impacts on the State of Alabama

NASA Impacts

In 2021, 2,434 NASA civil service employees (2,276 FTEs) residing in Alabama earned \$403 million in labor income. NASA contracts sourced in Alabama in the same year totaled \$2.7 billion. The total economic impact resulting from these activities is 41,084 jobs, \$2.7 billion in labor income, and \$8.0 billion in economic output. These economic activities generate \$233.8 million in tax revenues for the state and local governments in Alabama (Table 18).

The employment multiplier is 18.1, meaning that for every NASA job located in Alabama, an additional 17.1 jobs are supported in the state economy. The output multiplier of 7.2 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$6.2 million worth of output is sustained throughout the state economy.

Table 18: Summary of NASA Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,276	403,062	484,620	1,108,678	10,379
Indirect	23,525	1,594,107	2,227,618	4,545,074	88,444
Induced	15,283	687,849	1,242,462	2,376,008	134,943
Total	41,084	2,685,018	3,954,700	8,029,760	233,766
<i>Multiplier</i>	<i>18.1</i>	<i>6.7</i>	<i>8.2</i>	<i>7.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Alabama economy. Table 19 examines the sources of the employment figures in the second column of Table 18. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Eighty-six (86) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 14%.

Table 19: NASA Employment Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2,276	39.7	0	0.0	2,276	5.5	100.0	0.0
Indirect	0	0.0	23,525	66.5	23,525	57.3	0.0	100.0
Induced	3,453	60.3	11,830	33.5	15,283	37.2	22.6	77.4
Total	5,729	100	35,355	100	41,084	100	13.9	86.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 20 examines the sources of the output figures in the fifth column of Table 18. Procurement spending is responsible for more than 79% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 21%. The reason that NASA employment’s share of the overall output impact is larger than its share of the overall employment impact is that NASA employees produce more output per worker than the average employee in the NASA procurement supply chain. Because NASA’s labor force is more concentrated in the state than its procurement (compared to the nationwide impacts), a slightly larger proportion of NASA impacts in Alabama are attributable to the employment of NASA civil service workers.

Table 20: NASA Output Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,108,678	67.4	0	0.0	1,108,678	13.8	100.0	0.0
Indirect	0	0.0	4,545,074	71.2	4,545,074	56.6	0.0	100.0
Induced	537,094	32.6	1,838,914	28.8	2,376,008	29.6	22.6	77.4
Total	1,645,772	100	6,383,988	100	8,029,760	100	20.5	79.5

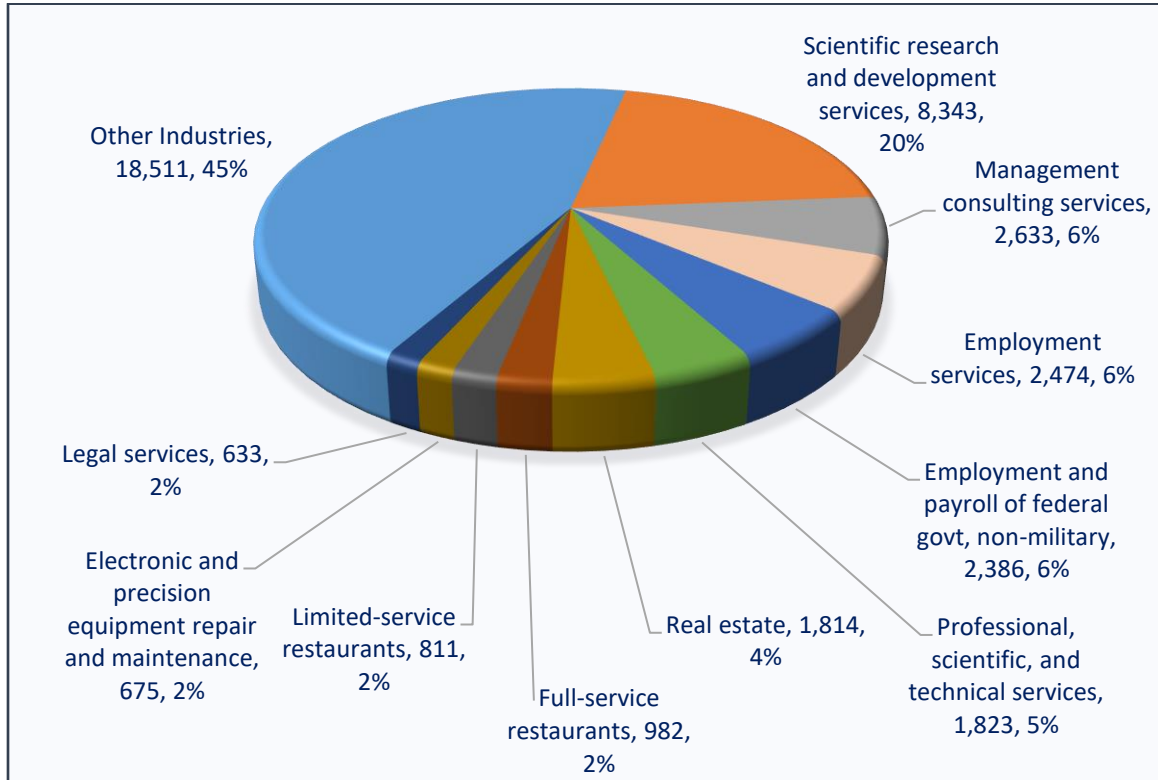
Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

41,084 jobs in the Alabama economy were supported by NASA activities in Fiscal Year 2021. Of these, 2,276 (6%) were directly located at NASA centers. As a result of the procurement of goods and services in the Alabama economy, 23,525 additional jobs (57%) were created. The remaining employment—15,283 jobs (37%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 16 depicts the ten most impacted industries by employment. Scientific research and development services and management consulting services are the most impacted industries, respectively. These industries (along with the federal government sector)

account for nearly a third of the jobs created. The employment in these industries is driven largely by NASA procurement spending; these two industries accounted for 70% of NASA procurement spending in Fiscal Year 2021. The impact in the federal government sector represents mainly civil service employees working for NASA.

Figure 16: Top Ten Most Impacted Industries by Employment, Alabama (NASA)

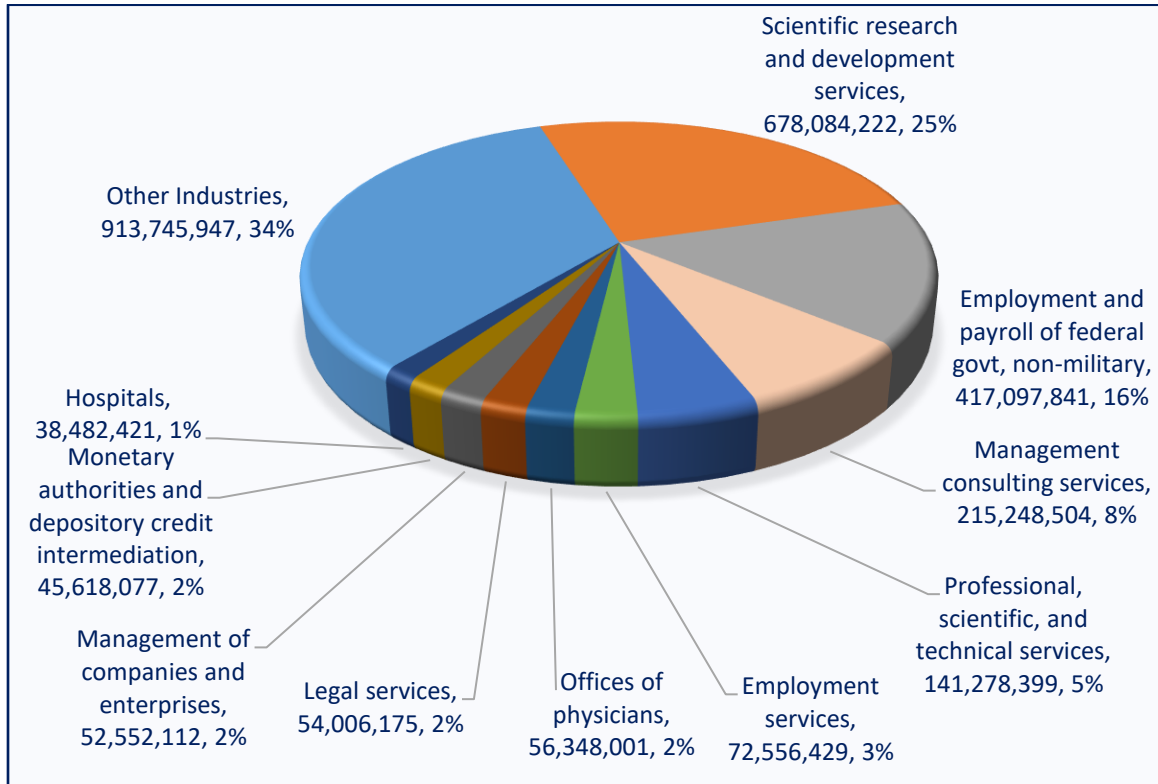


The total income impact of NASA in Alabama was \$2.7 billion in Fiscal Year 2021. Of this amount, \$403.1 million (15%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.6 billion (59%). The remaining income (induced impact), estimated to be \$687.8 million (26%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 17 depicts the ten most impacted industries by labor income. As a consequence of their share of total employment, scientific research and development, management consulting services, and professional and technical services are the most impacted industries by income (along with the federal government sector). The four industries together account for 54% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019,

the average employee compensation in the scientific research and development services industry was \$79,796 (including benefits), compared to an average of \$52,537 across Alabama.

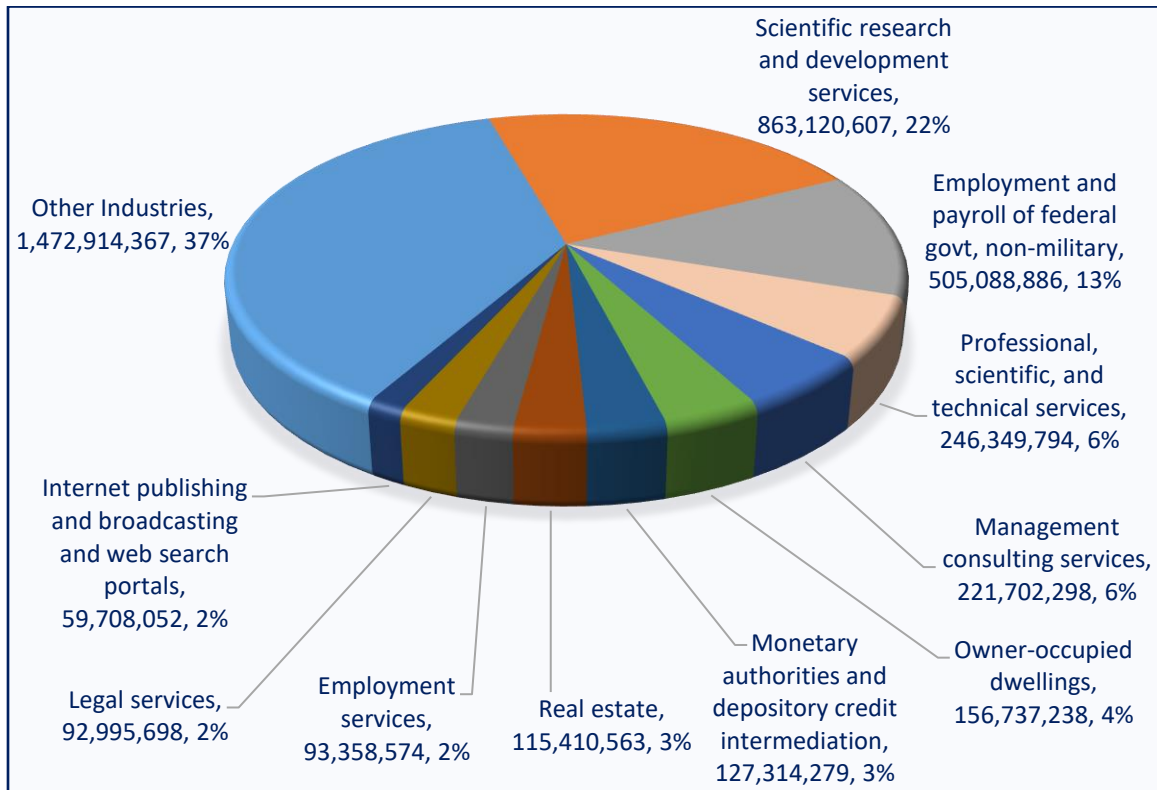
Figure 17: Top Ten Most Impacted Industries by Labor Income, Alabama (NASA)



The total value added impact of NASA in Alabama was \$3.9 billion in Fiscal Year 2021. Of this amount, more than \$484.6 million (12%) was created by civil service employees and \$2.2 billion (56%) was created indirectly by the \$2.7 billion in procurement spending across all industry sectors in Alabama. \$1.2 billion (32%) was generated by increased consumption spending supported by increased earnings.

Figure 18 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development and professional and technical services are the most impacted industries (along with the federal government sector). The three industries together account for 41% of the total value added created. NASA activities accounted for an increase of \$863 million in value added in scientific research and development services, and a \$246 million increase in value added in professional and technical services. Five hundred and five (505) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

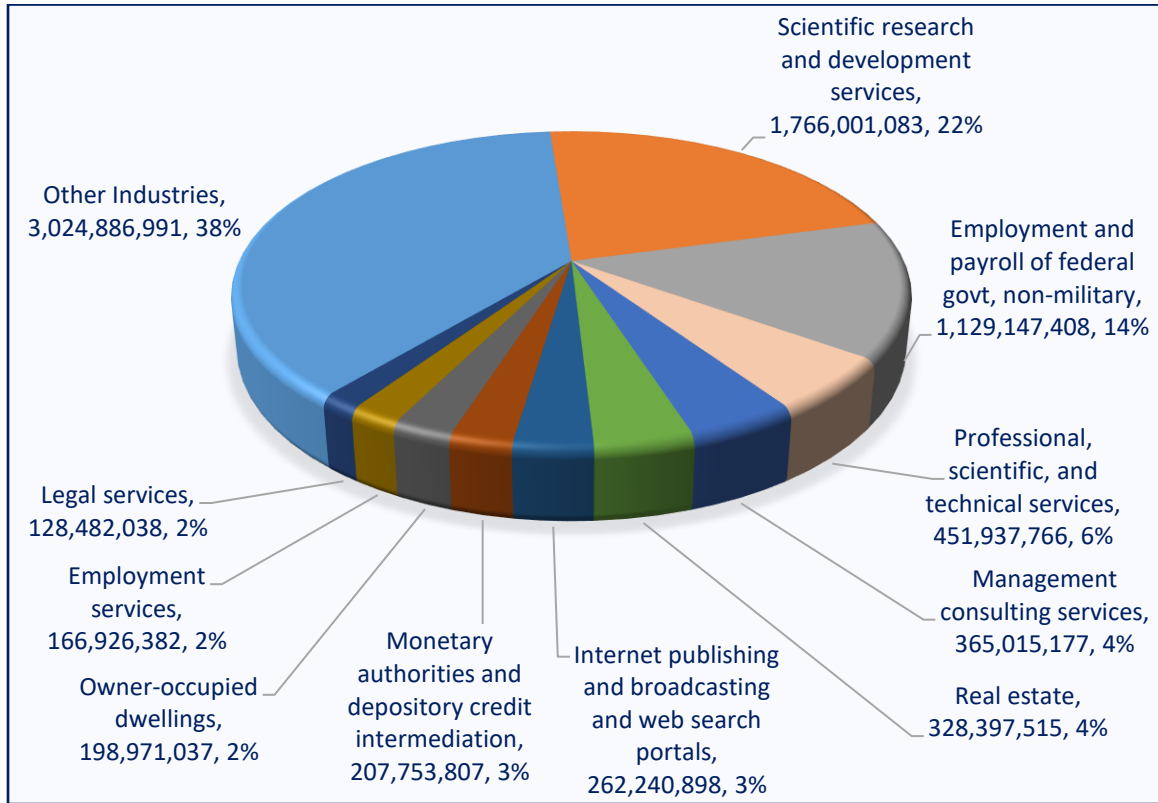
Figure 18: Top Ten Most Impacted Industries by Value Added, Alabama (NASA)



The total output impact of NASA in Alabama was \$8.0 billion in Fiscal Year 2021. The direct impact of \$1.1 billion constitutes the value of production by NASA employees, accounting for around 14% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$2.7 billion resulted in an additional increase in output (gross sales) of \$1.8 billion across all industry sectors (adding up to the indirect total of \$4.5 billion in Table 18). \$2.4 billion (30%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of more than \$1.7 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services, and a \$452 million increase in sales in professional and technical services (Figure 19). Impacts in these industries are largely driven by NASA procurement spending; these two industries accounted for 74% of NASA procurement spending in Fiscal Year 2021. Aside from management consulting services and internet publishing and broadcasting and web search portals, the output impacts reported in other industries mainly result from increases in consumption spending (induced impacts). The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 19: Top Ten Most Impacted Industries by Output, Alabama (NASA)



M2M Campaign Impacts

In 2021, Alabama had 1,084 M2M-related civil service employees (605 FTEs) jobs with a corresponding labor income of \$105.4 million. M2M campaign contracts sourced in Alabama in the same year totaled \$1.9 billion. The total Alabama employment impact is 24,899 jobs (including direct, indirect, and induced impacts—see Box 1, Section 1), meaning that for every M2M-related job located in the state, an additional 40.2 jobs are created in the state economy. The labor income and economic output impacts are \$1.6 billion and \$4.9 billion, respectively. These economic activities, along with the M2M campaign labor force, generate \$143.8 million in tax revenues for the state and local governments in Alabama (Table 21).

Table 21: Summary of M2M Campaign Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	605	105,437	128,932	294,961	2,715
Indirect	15,251	1,116,367	1,610,221	3,235,504	60,249
Induced	9,043	420,378	763,597	1,423,184	80,826
Total	24,899	1,642,182	2,502,750	4,953,649	143,790
<i>Multiplier</i>	<i>41.2</i>	<i>15.6</i>	<i>19.4</i>	<i>16.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Alabama economy. Ninety-four (94) percent of the employment impacts and ninety-one (91) percent of the output impacts are due to NASA procurement sourced within the state.

Table 22: M2M Campaign Employment Impacts by Sources of Impact, Alabama

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	605	39.8	0	0.0	605	2.4	100.0	0.0
Indirect	0	0.0	15,251	65.2	15,251	61.3	0.0	100.0
Induced	914	60.2	8,129	34.8	9,043	36.3	10.1	89.9
Total	1,519	100	23,380	100	24,899	100	6.1	93.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 23: M2M Campaign Output Impacts by Sources of Impact, Alabama

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	294,961	67.2	0	0.0	294,961	6.0	100.0	0.0
Indirect	0	0.0	3,235,504	71.7	3,235,504	65.3	0.0	100.0
Induced	143,864	32.8	1,279,320	28.3	1,423,184	28.7	10.1	89.9
Total	438,825	100	4,514,824	100	4,953,649	100	8.9	91.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

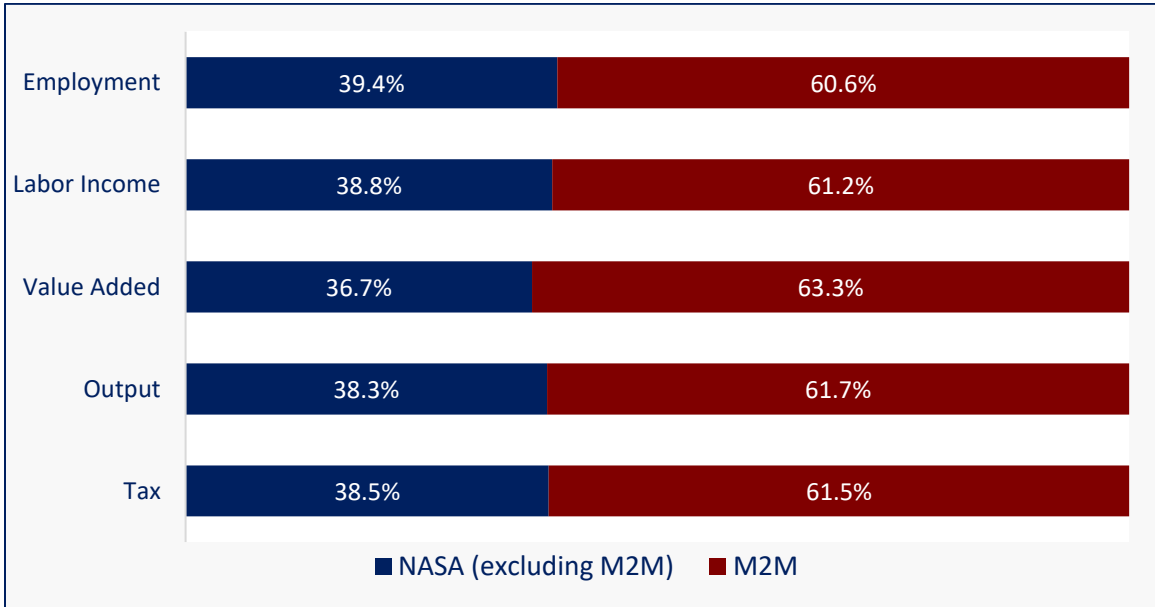
The M2M Campaign’s Share of NASA Impacts

Approximately 62% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 24 and Figure 20). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 24: The M2M Campaign Portion of Overall NASA Impacts, Alabama

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	41,084	2,685,018	3,954,700	8,029,760	233,766
M2M Portion	24,899	1,642,182	2,502,750	4,953,649	143,790
M2M Share (%)	60.6%	61.2%	63.3%	61.7%	61.5%

Figure 20: The M2M Campaign Portion of Overall NASA Impacts, Alabama



Investments in Climate Change Research and Technology Impacts

In 2021, Alabama had 174 climate change research and technology-related civil service employees (52 FTEs) jobs with a corresponding labor income of \$8.6 million. Investments in climate change research and technology contracts sourced in Alabama in the same year totaled \$67.5 million. The total Alabama employment impact is 1,083 jobs (including direct, indirect, and induced impacts—see Box 1, Section 1), meaning that for every climate change research and technology-related job located in the state, an additional 19.8 jobs are created in the state economy. The labor income and economic output impacts are \$93.3 million and \$199.0 million, respectively. These economic activities, along with the climate change research and technology labor force, generate \$4.9 million in tax revenues for the state and local governments in Alabama (Table 25).

Table 25: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	52	8,630	11,131	25,466	222
Indirect	655	39,107	52,696	115,040	1,313
Induced	376	16,431	29,522	58,505	3,322
Total	1,083	64,168	93,349	199,011	4,857
<i>Multiplier</i>	<i>20.8</i>	<i>7.4</i>	<i>8.4</i>	<i>7.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Alabama economy. Eighty-eight (88) percent of the employment impacts and eighty-one (81) percent of the output impacts are due to NASA procurement sourced within the state.

Table 26: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Alabama

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	52	40.6	0	0.0	52	4.8	100.0	0.0
Indirect	0	0.0	655	68.6	655	60.5	0.0	100.0
Induced	76	59.4	300	31.4	376	34.7	20.2	79.8
Total	128	100	955	100	1,083	100	11.8	88.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 27: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Alabama

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	25,466	68.4	0	0.0	25,466	12.8	100.0	0.0
Indirect	0	0.0	115,040	71.1	115,040	57.8	0.0	100.0
Induced	11,782	31.6	46,723	28.9	58,505	29.4	20.1	79.9
Total	37,248	100	161,763	100	199,011	100	18.7	81.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

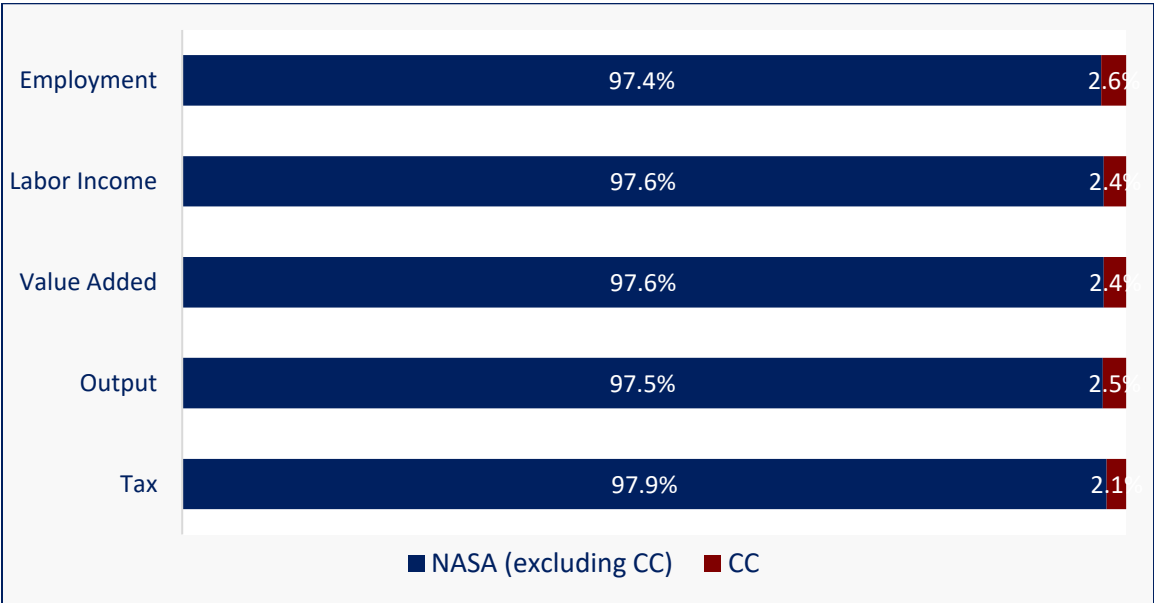
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 2% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 28 and Figure 21). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 28: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Alabama

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	41,084	2,685,018	3,954,700	8,029,760	233,766
CC Portion	1,083	64,168	93,349	199,011	4,857
CC Share (%)	2.6%	2.4%	2.4%	2.5%	2.1%

Figure 21: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Alabama



Economic Impacts on the State of Alaska

NASA Impacts

In 2021, three NASA civil service employees (2 FTEs) residing in Alaska earned \$134,000 in labor income. NASA contracts sourced in Alaska in the same year totaled \$41.1 million. The total economic impact resulting from these activities is 550 jobs, \$37.5 million in labor income, and \$91.3 million in economic output. These economic activities generate \$2.1 million in tax revenues for the state and local governments in Alaska (Table 29).

Table 29: Summary of NASA Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	134	421	962	1
Indirect	368	27,398	32,805	60,314	807
Induced	180	9,955	17,494	30,026	1,294
Total	550	37,487	50,720	91,302	2,102
<i>Multiplier</i>	<i>275.0</i>	<i>279.8</i>	<i>120.5</i>	<i>94.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Alaska economy. Table 30 examines the sources of the employment figures in the second column of Table 29. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 99% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is around 1%.

Table 30: NASA Employment Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	66.7	0	0.0	2	0.4	100.0	0.0
Indirect	0	0.0	368	67.3	368	66.9	0.0	100.0
Induced	1	33.3	179	32.7	180	32.7	0.6	99.4
Total	3	100	547	100	550	100	0.5	99.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 31 examines the sources of the output figures in the fifth column of Table 29. Procurement spending is responsible for nearly 99% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is around 1%.

Table 31: NASA Output Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	962	85.5	0	0.0	962	1.1	100.0	0.0
Indirect	0	0.0	60,314	66.9	60,314	66.1	0.0	100.0
Induced	163	14.5	29,863	33.1	30,026	32.9	0.5	99.5
Total	1,125	100	90,177	100	91,302	100	1.2	98.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Alaska in FY 2021, but approximately \$1.1 million in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 17 jobs, \$1.2 million in labor income, and \$2.7 million worth of output. These economic activities generate \$63,000 in tax revenues for the state and local governments in Alaska (Table 32).

Table 32: Summary of M2M Campaign Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	12	919	1,061	1,790	23
Induced	5	312	544	920	40
Total	17	1,231	1,605	2,710	63
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

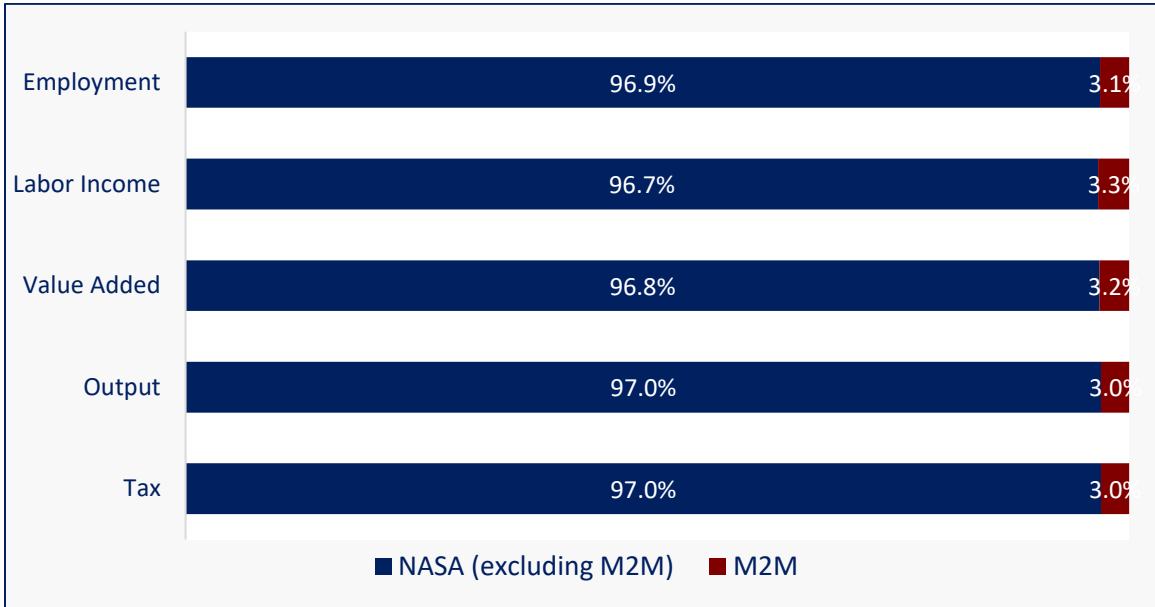
The M2M Campaign’s Share of NASA Impacts

Around 3% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 33 and Figure 22).

Table 33: The M2M Campaign Portion of Overall NASA Impacts, Alaska

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	550	37,487	50,720	91,302	2,102
M2M Portion	17	1,231	1,605	2,710	63
M2M Share (%)	3.1%	3.3%	3.2%	3.0%	3.0%

Figure 22: The M2M Campaign Portion of Overall NASA Impacts, Alaska



Investments in Climate Change Research and Technology Impacts

In 2021, one climate change research and technology-related civil service employee (1 FTE) residing in Alaska earned \$39,000 in labor income. In addition, \$14 million in investments in climate change research and technology contracts were sourced in the state. The total economic impact attributable to this labor force and procurement activity is 171 jobs, \$11.1 million in labor income, and \$30.2 million worth of output. These economic activities generate \$703,000 in tax revenues for the state and local governments in Alaska (Table 34).

Table 34: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	39	113	259	<1
Indirect	114	8,106	10,293	20,661	305
Induced	56	2,994	5,322	9,239	398
Total	171	11,139	15,728	30,159	703
<i>Multiplier</i>	<i>171.0</i>	<i>285.6</i>	<i>139.2</i>	<i>116.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Alaska economy. More than 99 percent of the employment impacts and 99 percent of the output impacts are due to NASA procurement sourced within the state.

Table 35: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Alaska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	64.8	0	0.0	1	0.6	100.0	0.0
Indirect	0	0.0	114	67.1	114	66.7	0.0	100.0
Induced	<1	35.2	56	32.9	56	32.7	0.5	99.5
Total	1	100	170	100	171	100	0.6	99.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 36: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Alaska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	259	84.4	0	0.0	259	0.9	100.0	0.0
Indirect	0	0.0	20,661	69.2	20,661	68.5	0.0	100.0
Induced	48	15.6	9,191	30.8	9,239	30.6	0.5	99.5
Total	307	100	29,852	100	30,159	100	1.0	99.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

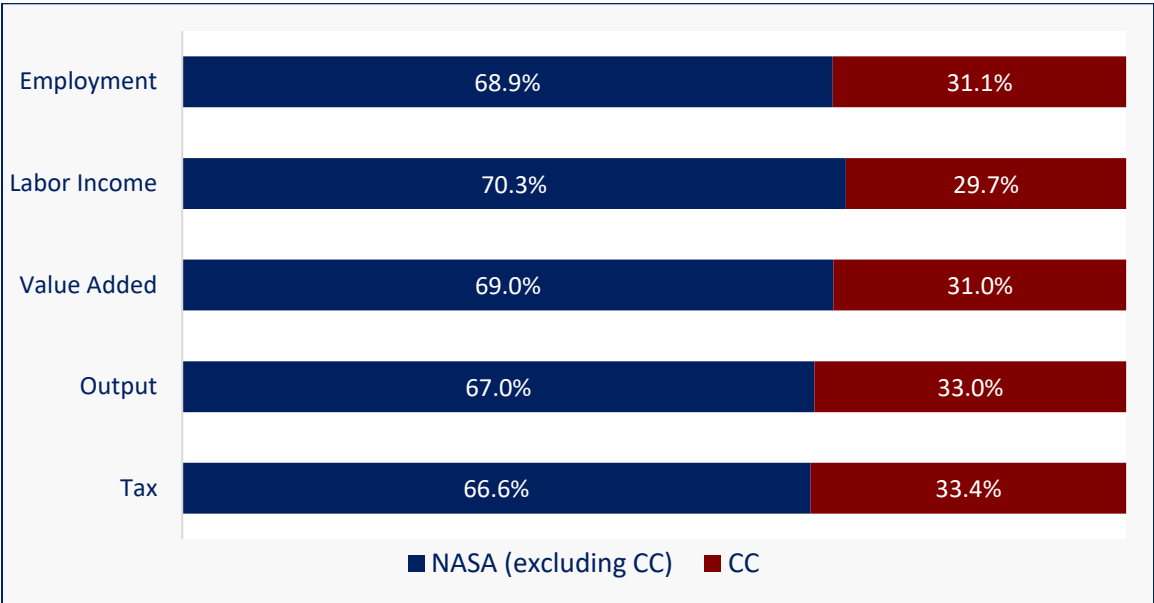
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Approximately 31% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 37 and Figure 23). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 37: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Alaska

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	550	37,487	50,720	91,302	2,102
CC Portion	171	11,139	15,728	30,159	703
CC Share (%)	31.1%	29.7%	31.0%	33.0%	33.4%

Figure 23: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Alaska



Economic Impacts on the State of Arizona

NASA Impacts

In 2021, 22 NASA civil service employees (13 FTEs) residing in Arizona earned more than \$2.2 million in labor income. NASA contracts sourced in Arizona in the same year totaled \$248.2 million. The total economic impact resulting from these activities is 3,876 jobs, \$246.2 million in labor income, and \$711.2 million in economic output. These economic activities generate \$23 million in tax revenues for the state and local governments in Arizona (Table 38).

Table 38: Summary of NASA Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,230	2,678	6,126	46
Indirect	2,273	159,482	234,891	440,057	8,306
Induced	1,590	84,469	147,760	265,006	14,696
Total	3,876	246,181	385,329	711,189	23,048
<i>Multiplier</i>	<i>298.2</i>	<i>110.4</i>	<i>143.9</i>	<i>116.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Arizona economy. Table 39 examines the sources of the employment figures in the second column of Table 38. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-nine (99) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 1%.

Table 39: NASA Employment Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	13	34.2	0	0.0	13	0.3	100.0	0.0
Indirect	0	0.0	2,273	59.2	2,273	58.6	0.0	100.0
Induced	25	65.8	1,565	40.8	1,590	41.0	1.6	98.4
Total	38	100	3,838	100	3,876	100	1.0	99.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 40 examines the sources of the output figures in the fifth column of Table 41. Procurement spending is responsible for approximately 99% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 1%.

Table 40: NASA Output Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	6,126	59.9	0	0.0	6,126	0.9	100.0	0.0
Indirect	0	0.0	440,057	62.8	440,057	61.9	0.0	100.0
Induced	4,108	40.1	260,898	37.2	265,006	37.3	1.6	98.4
Total	10,234	100	700,955	100	711,189	100	1.4	98.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Arizona in FY 2021, but \$27.9 million in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity 432 jobs, \$28.5 million in labor income and \$78.3 million in economic output. The M2M campaign generates \$2.8 million in tax revenues for the state and local governments in Arizona (Table 41).

Table 41: Summary of M2M Campaign Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	250	18,432	27,363	47,394	1,073
Induced	182	10,073	17,598	30,868	1,712
Total	432	28,505	44,961	78,262	2,785
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The M2M Campaign’s Share of NASA Impacts

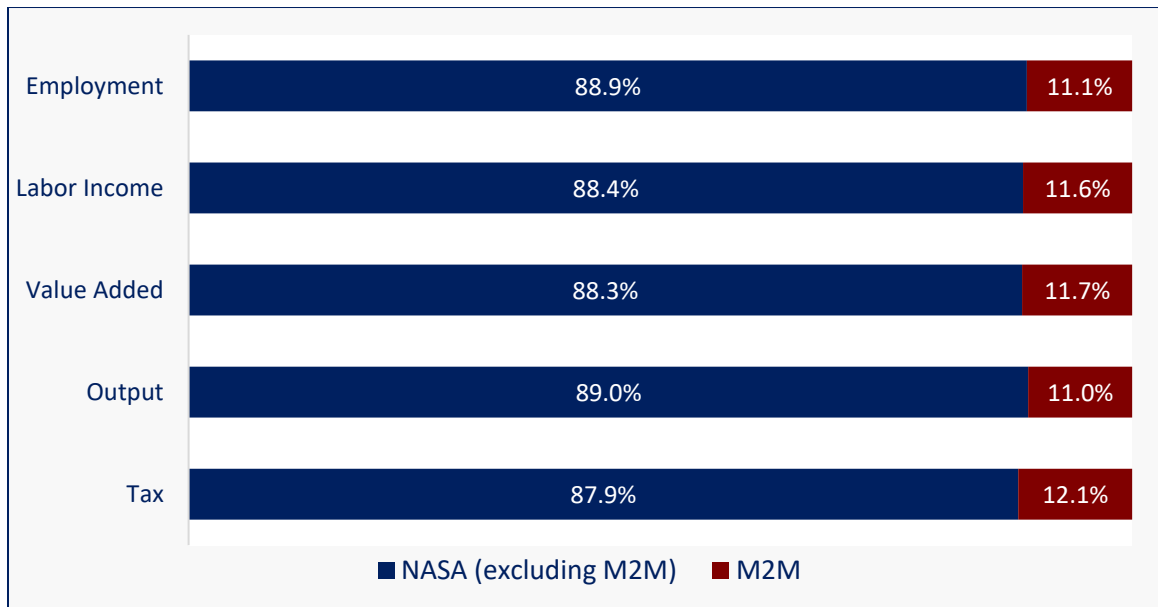
Around 11% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 42 and Figure 24). The primary reason the shares are slightly different is

that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 42: The M2M Campaign Portion of Overall NASA Impacts, Arizona

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	3,876	246,181	385,329	711,189	23,048
M2M Portion	432	28,505	44,961	78,262	2,785
M2M Share (%)	11.1%	11.6%	11.7%	11.0%	12.1%

Figure 24: The M2M Campaign Portion of Overall NASA Impacts, Arizona



Investments in Climate Change Research and Technology Impacts

In 2021, Arizona had five climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$409,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$15.7 million. The total Arizona employment impact is 246 jobs. The labor income and economic output associated with this employment are \$15.0 million and \$45.3 million, respectively. The investments in climate change research and technology generate \$1.5 million in tax revenues for the state and local governments in Arizona (Table 43).

Table 43: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	409	516	1,182	8
Indirect	144	9,554	14,539	27,905	612
Induced	100	5,073	8,852	16,243	901
Total	246	15,036	23,907	45,330	1,521
<i>Multiplier</i>	<i>123.0</i>	<i>36.8</i>	<i>46.3</i>	<i>38.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Arizona economy. Around 97 percent of the employment impacts and 96 percent of the output impacts are due to NASA procurement sourced within the state.

Table 44: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Arizona

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	28.6	0	0.0	2	0.8	100.0	0.0
Indirect	0	0.0	144	60.3	144	58.5	0.0	100.0
Induced	5	71.4	95	39.7	100	40.7	5.0	95.0
Total	7	100	239	100	246	100	2.8	97.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 45: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Arizona

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,182	61.5	0	0.0	1,182	2.6	100.0	0.0
Indirect	0	0.0	27,905	64.3	27,905	61.6	0.0	100.0
Induced	741	38.5	15,502	35.7	16,243	35.8	4.6	95.4
Total	1,923	100	43,407	100	45,330	100	4.2	95.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

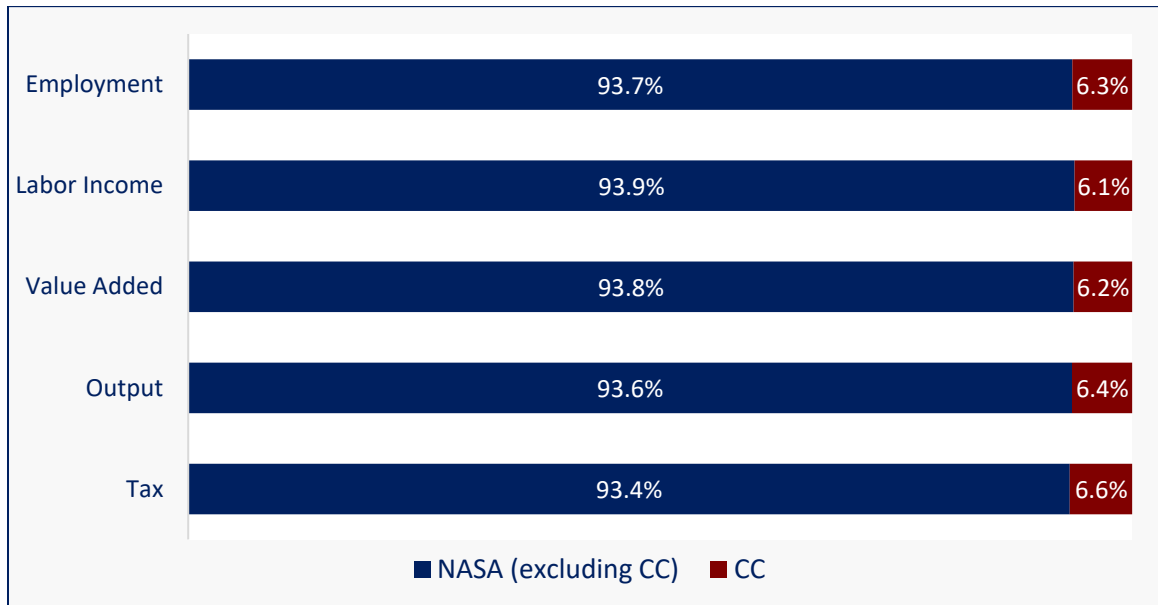
The Investments in Climate Change Research and Technology's Share of NASA Impacts

Around 6% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 46 and Figure 25). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 46: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Arizona

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	3,876	246,181	385,329	711,189	23,048
CC Portion	246	15,036	23,907	45,330	1,521
CC Share (%)	6.3%	6.1%	6.2%	6.4%	6.6%

Figure 25: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Arizona



Economic Impacts on the State of Arkansas

NASA Impacts

In 2021, five NASA civil service employees (3 FTEs) residing in Arkansas earned \$309,000 in labor income. NASA contracts sourced in Arkansas in the same year totaled \$2.9 million. The total economic impact resulting from these activities is 48 jobs, \$2.5 million in labor income, and \$8.5 million in economic output. These economic activities generate \$253,000 in tax revenues for the state and local governments in Arkansas (Table 47).

Table 47: Summary of NASA Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	309	630	1,441	8
Indirect	30	1,569	2,238	4,739	105
Induced	15	651	1,182	2,284	140
Total	48	2,529	4,050	8,464	253
<i>Multiplier</i>	<i>16.0</i>	<i>8.2</i>	<i>6.4</i>	<i>5.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Arkansas economy. Table 48 examines the sources of the employment figures in the second column of Table 47. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Around 87% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is around 13%.

Table 48: NASA Employment Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	3	50.0	0	0.0	3	6.3	100.0	0.0
Indirect	0	0.0	30	71.4	30	62.5	0.0	100.0
Induced	3	50.0	12	28.6	15	31.3	20.0	80.0
Total	6	100	42	100	48	100	12.5	87.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 49 examines the sources of the output figures in the fifth column of Table 47. Procurement spending is responsible for 78% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is around 22%.

Table 49: NASA Output Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,441	77.8	0	0.0	1,441	17.0	100.0	0.0
Indirect	0	0.0	4,739	71.7	4,739	56.0	0.0	100.0
Induced	412	22.2	1,872	28.3	2,284	27.0	18.0	82.0
Total	1,853	100	6,611	100	8,464	100	21.9	78.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Arkansas in FY 2021, but \$220,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 3 jobs, \$163,000 in labor income, and \$511,000 worth of output. These economic activities generate \$16,000 in tax revenues for the state and local governments in Arkansas (Table 50).

Table 50: Summary of M2M Campaign Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	2	121	172	366	7
Induced	1	42	77	145	9
Total	3	163	249	511	16
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

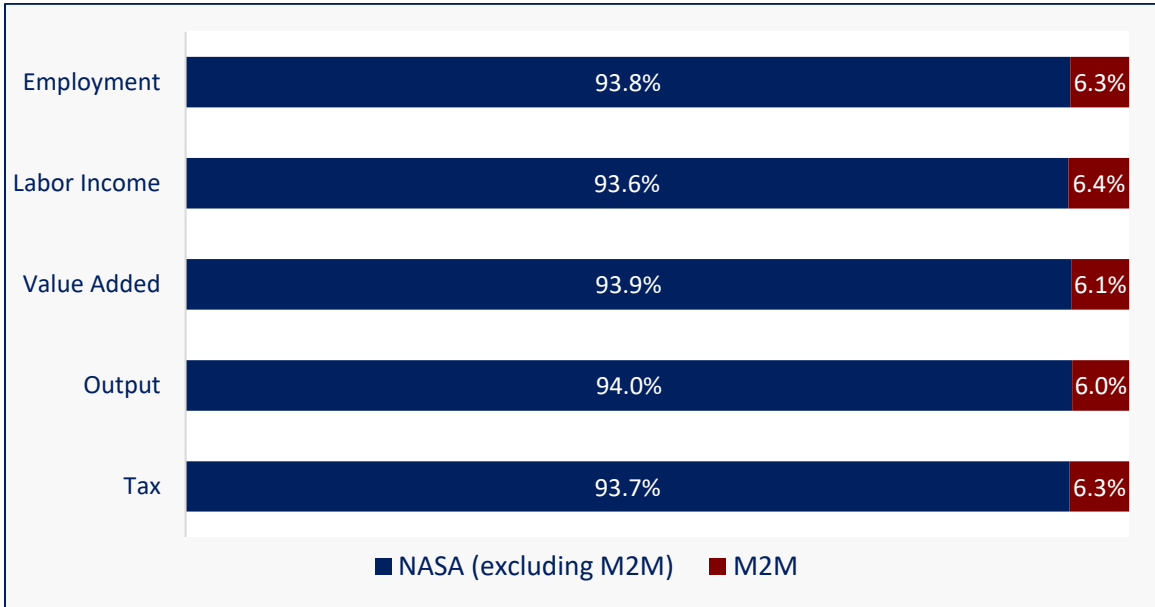
The M2M Campaign’s Share of NASA Impacts

Around 6% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 51 and Figure 26). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 51: The M2M Campaign Portion of Overall NASA Impacts, Arkansas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	48	2,529	4,050	8,464	253
M2M Portion	3	163	249	511	16
M2M Share (%)	6.3%	6.4%	6.1%	6.0%	6.3%

Figure 26: The M2M Campaign Portion of Overall NASA Impacts, Arkansas



Investments in Climate Change Research and Technology Impacts

In 2021, Arkansas had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$15,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.3 million. The total Arkansas employment impact is 18 jobs. The labor income and economic output associated with this employment are \$944,000 and \$3.2 million, respectively. The investments in climate change research and technology generate \$98,000 in tax revenues for the state and local governments in Arkansas (Table 52).

Table 52: Investments in Summary of Climate Change Research and Technology Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	15	41	93	<1
Indirect	13	691	1,005	2,230	46
Induced	5	238	429	852	52
Total	18	944	1,475	3,175	98
<i>Multiplier</i>	<i>96.3</i>	<i>62.9</i>	<i>36.0</i>	<i>34.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Arkansas economy. Ninety-eight (98) percent of the employment impacts and ninety-six (96) percent of the output impacts are due to NASA procurement sourced within the state.

Table 53: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Arkansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	58.6	0	0.0	<1	1.0	100.0	0.0
Indirect	0	0.0	13	72.2	13	71.5	0.0	100.0
Induced	<1	41.4	5	27.8	5	27.5	2.4	97.6
Total	<1	100	18	100	18	100	1.8	98.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 54: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Arkansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	93	81.6	0	0.0	93	2.9	100.0	0.0
Indirect	0	0.0	2,230	72.9	2,230	70.2	0.0	100.0
Induced	21	18.4	831	27.1	852	26.8	2.5	97.5
Total	114	100	3,061	100	3,175	100	3.6	96.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

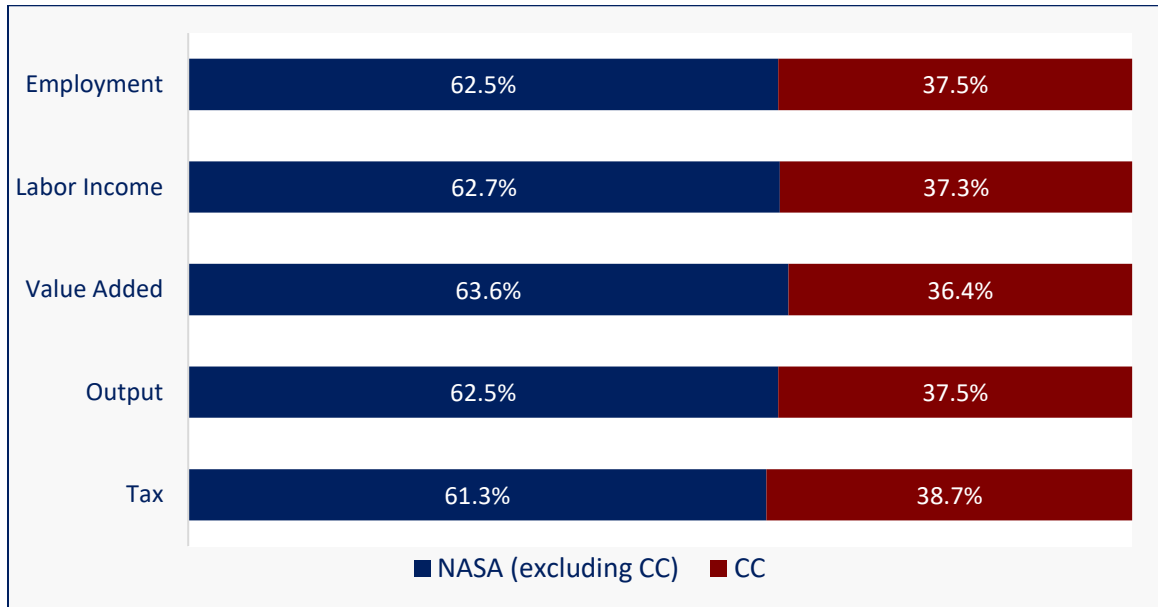
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 37% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 55 and Figure 27). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 55: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Arkansas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	48	2,529	4,050	8,464	253
CC Portion	18	944	1,475	3,175	98
CC Share (%)	37.5%	37.3%	36.4%	37.5%	38.7%

Figure 27: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Arkansas



Economic Impacts on the State of California

NASA Impacts

In 2021, 1,983 NASA civil service employees (1,812 FTEs) residing in California earned \$353.6 million in labor income. NASA contracts sourced in California in the same year totaled more than \$4.5 billion. The total economic impact resulting from these activities is 66,236 jobs, \$5.8 billion in labor income, and \$15.2 billion in economic output. These economic activities generate more than \$738.3 million in tax revenues for the state and local governments in California (Table 56).

The employment multiplier is 36.6, meaning that for every NASA job located in California, an additional 35.6 jobs are supported in the state economy. The output multiplier of 17.3 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$16.3 million worth of output is sustained throughout the state economy.

Table 56: Summary of NASA Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,812	353,646	385,748	882,487	13,425
Indirect	33,700	3,424,058	4,845,906	7,940,754	299,602
Induced	30,724	2,086,181	3,726,275	6,420,344	425,322
Total	66,236	5,863,885	8,957,929	15,243,585	738,349
<i>Multiplier</i>	<i>36.6</i>	<i>16.6</i>	<i>23.2</i>	<i>17.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the California economy. Table 57 examines the sources of the employment figures in the second column of Table 56. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 92% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 8%.

Table 57: NASA Employment Impacts by Sources of Impact, California

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1,812	35.8	0	0.0	1,812	2.7	100.0	0.0
Indirect	0	0.0	33,700	55.1	33,700	50.9	0.0	100.0
Induced	3,252	64.2	27,472	44.9	30,724	46.4	10.6	89.4
Total	5,064	100	61,172	100	66,236	100	7.6	92.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 58 examines the sources of the output figures in the fifth column of Table 56. Procurement spending is responsible for nearly 90% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 10%. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 58: NASA Output Impacts by Sources of Impact, California

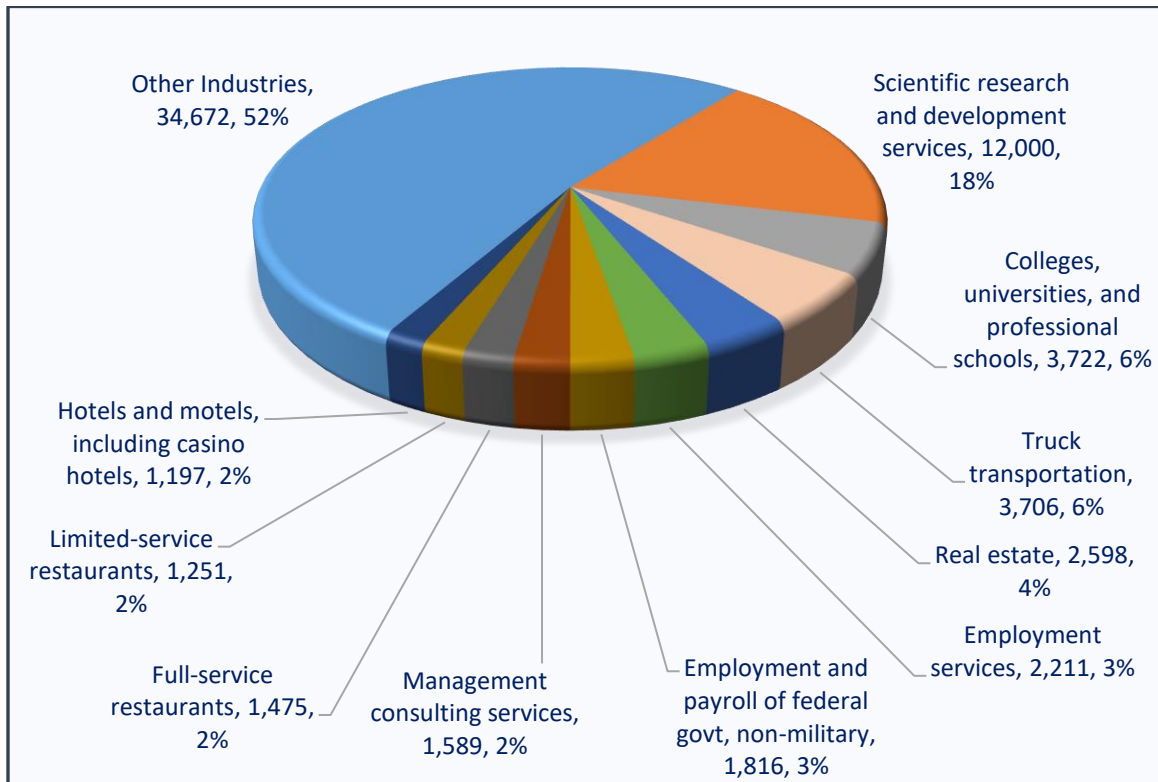
Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	882,487	56.5	0	0.0	882,487	5.8	100.0	0.0
Indirect	0	0.0	7,940,754	58.0	7,940,754	52.1	0.0	100.0
Induced	680,351	43.5	5,739,993	42.0	6,420,344	42.1	10.6	89.4
Total	1,562,838	100	13,680,747	100	15,243,585	100	10.3	89.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

66,236 jobs in the California economy were supported by NASA activities in Fiscal Year 2021. Of these, 1,812 (3%) were directly located at NASA centers. As a result of the procurement of goods and services in the California economy, 33,700 additional jobs (51%) were created. The remaining employment—30,724 jobs (46%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 28 depicts the ten most impacted industries by employment. Scientific research and development services is the most impacted industry, accounting for 18% of the jobs created. The employment in this industry is driven largely by NASA procurement spending; scientific research and development services accounted for 70% of NASA procurement spending in the state in Fiscal Year 2021.

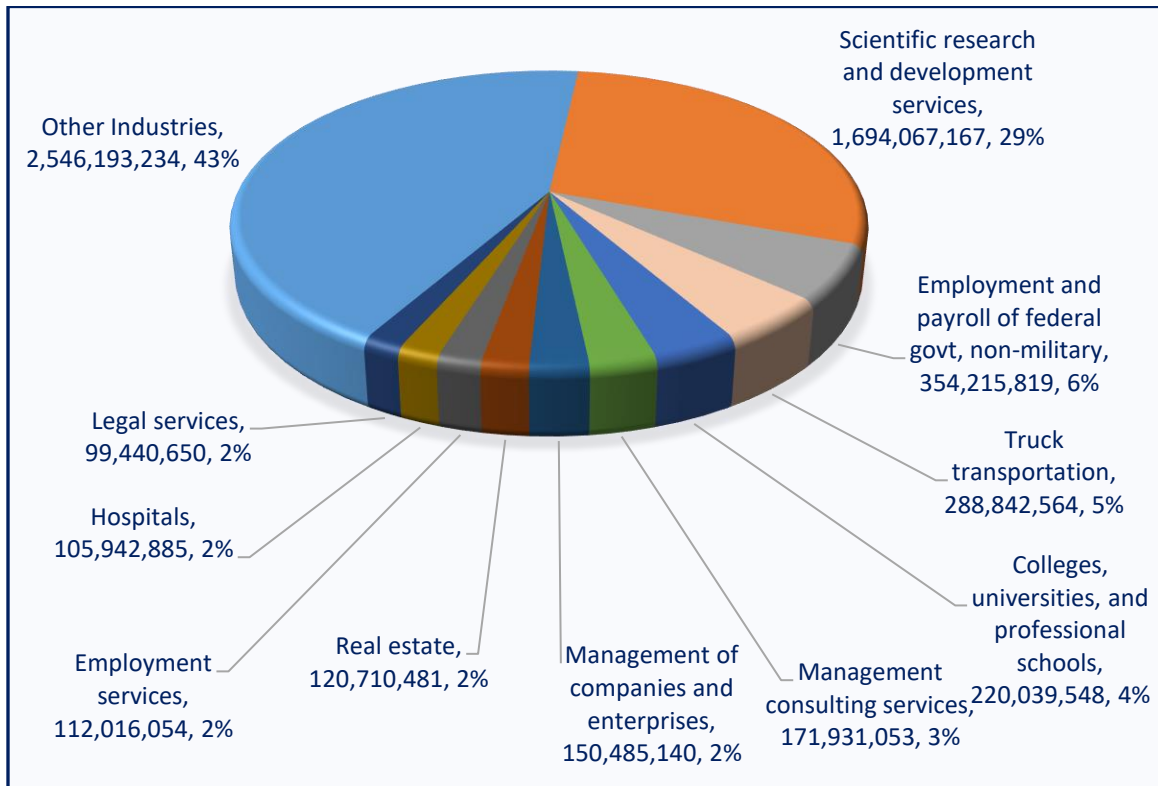
Figure 28: Top Ten Most Impacted Industries by Employment, California (NASA)



The total income impact of NASA in California was \$5.8 billion in Fiscal Year 2021. Of this amount, nearly \$354 million (6%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$3.4 billion (58%). The remaining income (induced impact), estimated to be \$2.1 billion (36%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 29 depicts the ten most impacted industries by labor income. Scientific research and development and the federal government sector are the most impacted sectors. The two industries together account for 35% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019, the average employee compensation in the scientific research and development services industry was \$138,622 (including benefits), compared to an average of \$76,116 across California.

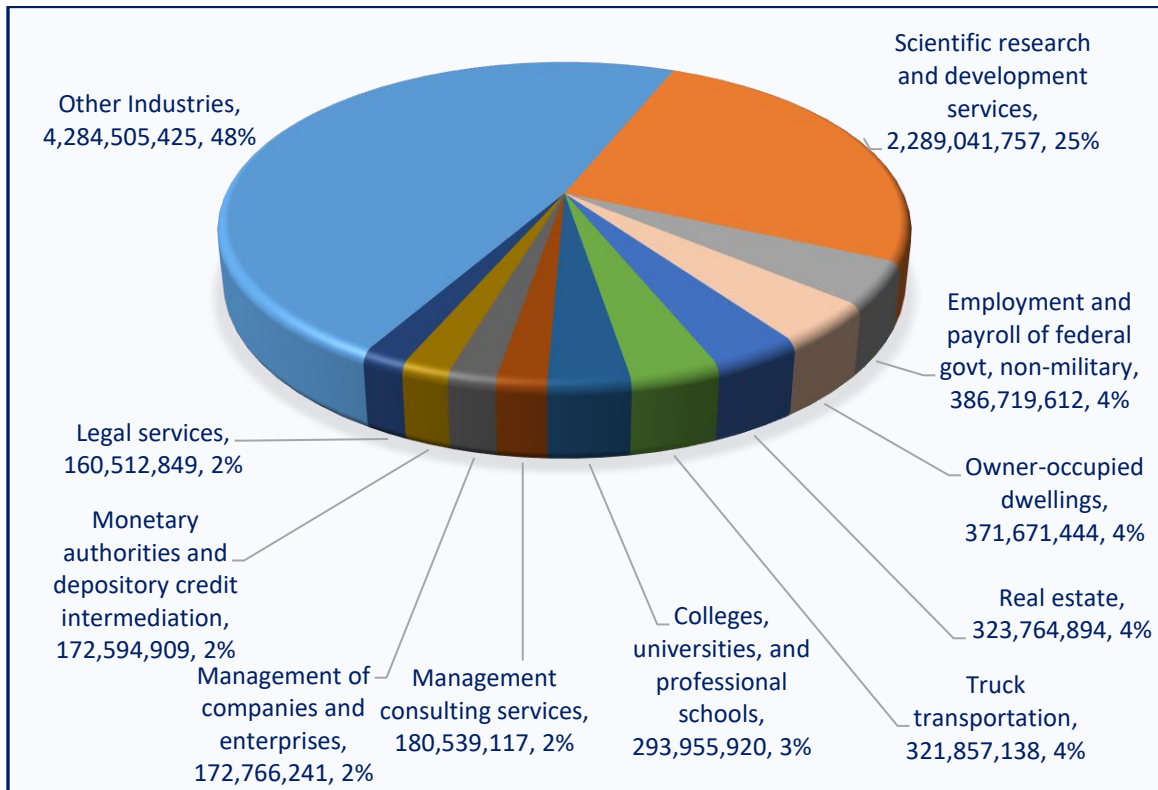
Figure 29: Top Ten Most Impacted Industries by Labor Income, California (NASA)



The total value added impact of NASA in California was \$8.9 billion in Fiscal Year 2021. Of this amount, nearly \$386 million (4%) was created by civil service employees and \$4.8 billion (54%) was created indirectly by the \$4.5 billion in procurement spending across all industry sectors in California. \$3.7 billion (42%) was generated by increased consumption spending supported by increased earnings.

Figure 30 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development is the most impacted industry, accounting for 25% of the total value added created. NASA activities accounted for an increase of \$2.3 billion in value added in scientific research and development services. Three hundred eighty-six (386) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

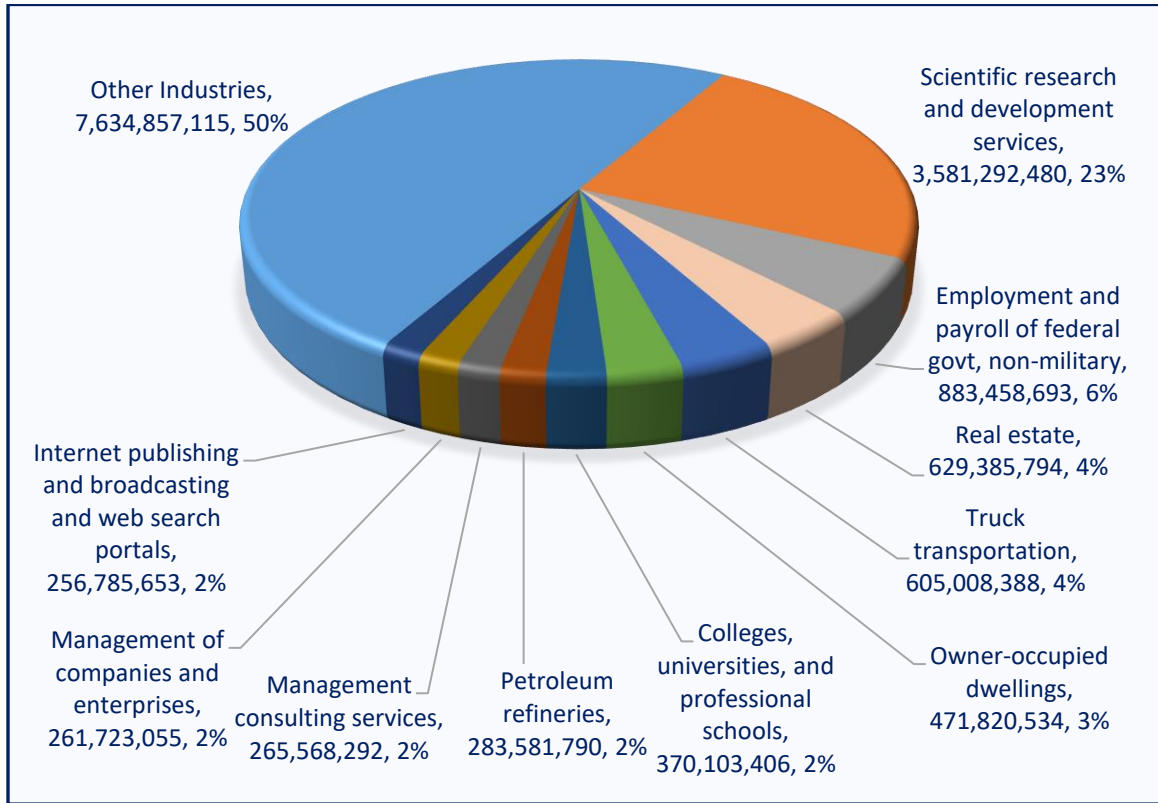
Figure 30: Top Ten Most Impacted Industries by Value Added, California (NASA)



The total output impact of NASA in California was \$15.2 billion in Fiscal Year 2021. The direct impact of \$882 million constitutes the value of production by NASA employees, accounting for around 6% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$4.5 billion resulted in an additional increase in output (gross sales) of \$3.4 billion across all industry sectors (adding up to the indirect total of \$7.9 billion in Table 56). Around \$6.4 billion (42%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$3.5 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services (Figure 31). Similar to employment, impact in this industry is largely driven by NASA procurement spending; scientific research and development services accounted for 70% of NASA procurement spending in the state in Fiscal Year 2021. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 31: Top Ten Most Impacted Industries by Output, California (NASA)



M2M Campaign Impacts

In 2021, California had 252 M2M-related civil service employees (100 FTEs) with a corresponding labor income of \$20.3 million. M2M campaign contracts sourced in the state in the same year totaled \$912.6 million. The total California employment impact is 11,640 jobs. The labor income and economic output associated with this employment are \$1.1 billion and \$2.8 billion, respectively. The M2M campaign generates \$135 million in tax revenues for the state and local governments in California (Table 59).

Table 59: Summary of M2M Campaign Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	100	20,340	21,214	48,531	772
Indirect	5,651	704,686	1,003,044	1,556,151	50,640
Induced	5,889	421,129	752,583	1,262,369	83,637
Total	11,640	1,146,155	1,776,841	2,867,051	135,049
<i>Multiplier</i>	<i>116.4</i>	<i>56.3</i>	<i>83.8</i>	<i>59.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure

represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the California economy. More than ninety-seven (97) percent of the employment impacts and nearly ninety-seven (97) percent of the output impacts are due to NASA procurement sourced within the state.

Table 60: M2M Campaign Employment Impacts by Sources of Impact, California

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	100	34.0	0	0.0	100	0.9	100.0	0.0
Indirect	0	0.0	5,651	49.8	5,651	48.5	0.0	100.0
Induced	194	66.0	5,695	50.2	5,889	50.6	3.3	96.7
Total	294	100	11,346	100	11,640	100	2.5	97.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 61: M2M Campaign Output Impacts by Sources of Impact, California

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	48,531	53.8	0	0.0	48,531	1.7	100.0	0.0
Indirect	0	0.0	1,556,151	56.0	1,556,151	54.3	0.0	100.0
Induced	41,597	46.2	1,220,772	44.0	1,262,369	44.0	3.3	96.7
Total	90,128	100	2,776,923	100	2,867,051	100	3.1	96.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

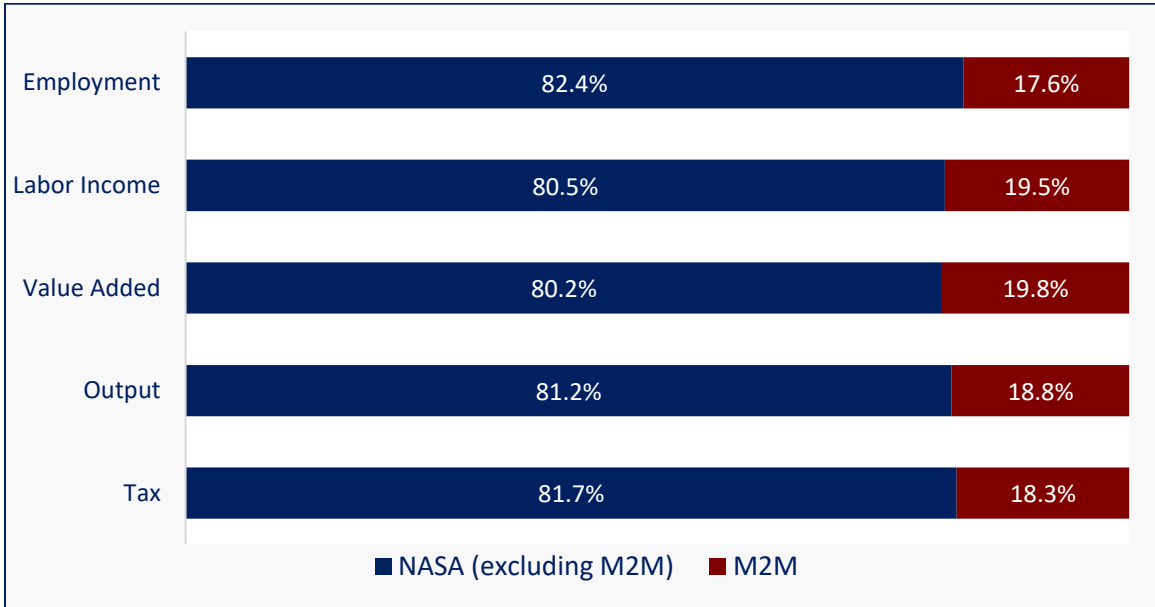
The M2M Campaign's Share of NASA Impacts

Around 19% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 62 and Figure 32). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 62: The M2M Campaign Portion of Overall NASA Impacts, California

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	66,236	5,863,885	8,957,929	15,243,585	738,349
M2M Portion	11,640	1,146,155	1,776,841	2,867,051	135,049
M2M Share (%)	17.6%	19.5%	19.8%	18.8%	18.3%

Figure 32: The M2M Campaign Portion of Overall NASA Impacts, California



Investments in Climate Change Research and Technology Impacts

In 2021, California had 787 climate change research and technology-related civil service employees (465 FTEs) with a corresponding labor income of \$84.8 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$641.4 million. The total California employment impact is 9,972 jobs. The labor income and economic output associated with this employment are \$841.1 million and \$2.2 billion, respectively. The investments in climate change research and technology generate \$103.7 million in tax revenues for the state and local governments in California (Table 63).

Table 63: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	465	84,756	99,119	226,757	3,217
Indirect	4,955	463,329	668,801	1,101,029	39,221
Induced	4,552	293,005	523,065	924,653	61,266
Total	9,972	841,090	1,290,985	2,252,439	103,704
<i>Multiplier</i>	<i>21.4</i>	<i>9.9</i>	<i>13.0</i>	<i>9.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the California economy. Approximately 88 percent of the employment impacts and 83 percent of the output impacts are due to NASA procurement sourced within the state.

Table 64: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, California

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	465	37.5	0	0.0	465	4.7	100.0	0.0
Indirect	0	0.0	4,955	56.7	4,955	49.7	0.0	100.0
Induced	775	62.5	3,777	43.3	4,552	45.6	17.0	83.0
Total	1,240	100	8,732	100	9,972	100	12.4	87.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 65: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, California

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	226,757	59.0	0	0.0	226,757	10.1	100.0	0.0
Indirect	0	0.0	1,101,029	58.9	1,101,029	48.9	0.0	100.0
Induced	157,640	41.0	767,013	41.1	924,653	41.1	17.0	83.0
Total	384,397	100	1,868,042	100	2,252,439	100	17.1	82.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

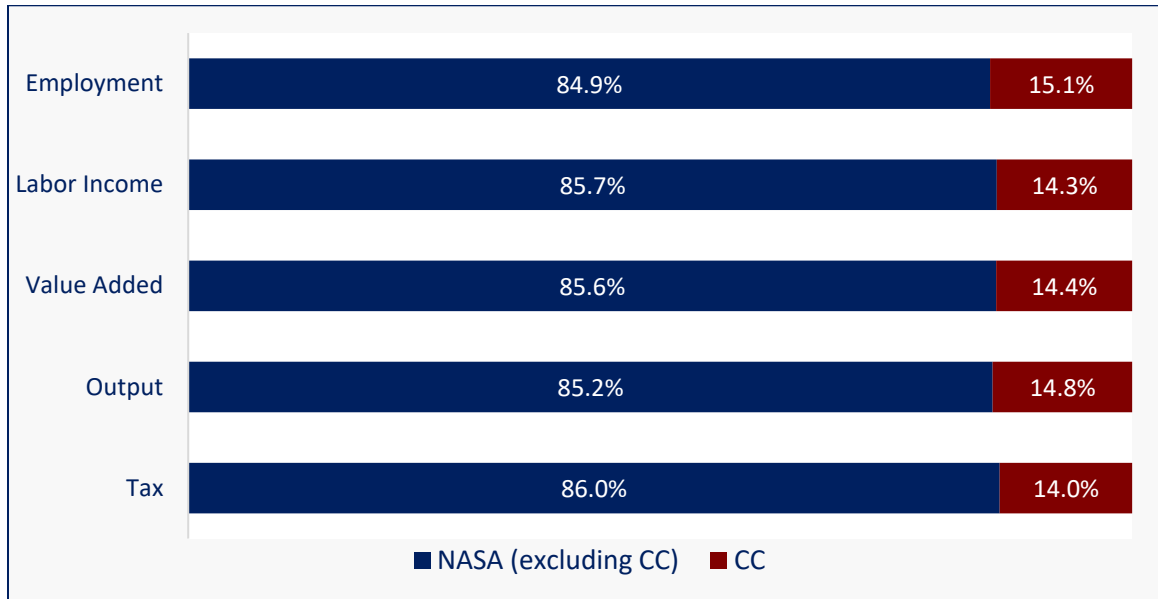
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 15% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 66 and Figure 33). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 66: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, California

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	66,236	5,863,885	8,957,929	15,243,585	738,349
CC Portion	9,972	841,090	1,290,985	2,252,439	103,704
CC Share (%)	15.1%	14.3%	14.4%	14.8%	14.0%

Figure 33: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, California



Economic Impacts on the State of Colorado

NASA Impacts

In 2021, 74 NASA civil service employees (50 FTEs) residing in Colorado earned \$8.9 million in labor income. NASA contracts sourced in Colorado in the same year totaled approximately \$1.7 billion. The total economic impact resulting from these activities is 26,255 jobs, \$1.9 billion in labor income, and \$5.0 billion in economic output. These economic activities generate \$172.8 million in tax revenues for the state and local governments in Colorado (Table 67).

Table 67: Summary of NASA Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	50	8,899	10,596	24,241	235
Indirect	15,109	1,252,560	1,677,446	3,046,957	64,325
Induced	11,096	621,185	1,080,761	1,952,363	108,247
Total	26,255	1,882,644	2,768,803	5,023,561	172,807
<i>Multiplier</i>	<i>525.1</i>	<i>211.6</i>	<i>261.3</i>	<i>207.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Colorado economy. Table 68 examines the sources of the employment figures in the second column of Table 67. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than ninety-nine (99) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is less than 1%.

Table 68: NASA Employment Impacts by Sources of Impact, Colorado

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	50	36.0	0	0.0	50	0.2	100.0	0.0
Indirect	0	0.0	15,109	57.9	15,109	57.5	0.0	100.0
Induced	89	64.0	11,007	42.1	11,096	42.3	0.8	99.2
Total	139	100	26,116	100	26,255	100	0.5	99.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 69 examines the sources of the output figures in the fifth column of Table 67. Procurement spending is responsible for more than 99% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 1%.

Table 69: NASA Output Impacts by Sources of Impact, Colorado

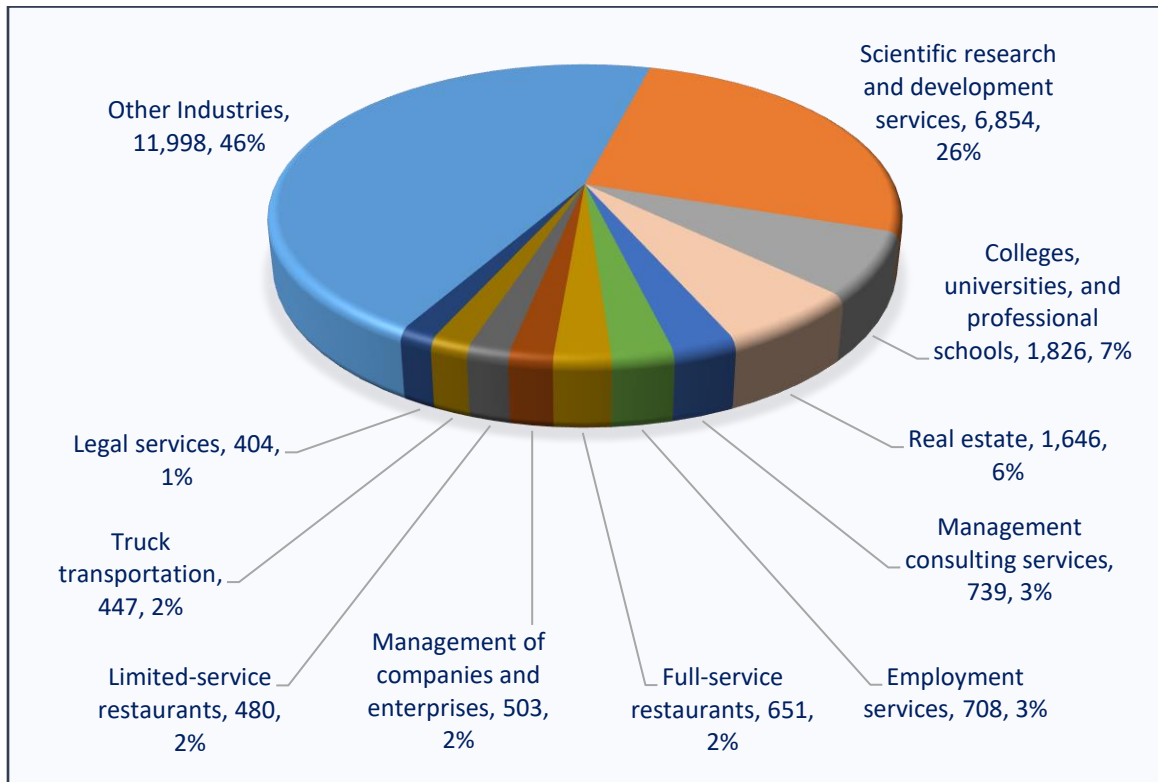
Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	24,241	60.8	0	0.0	24,241	0.5	100.0	0.0
Indirect	0	0.0	3,046,957	61.1	3,046,957	60.7	0.0	100.0
Induced	15,597	39.2	1,936,766	38.9	1,952,363	38.9	0.8	99.2
Total	39,838	100	4,983,723	100	5,023,561	100	0.8	99.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

26,255 jobs in the Colorado economy were supported by NASA activities in Fiscal Year 2021. Of these, 50 (<1%) were directly located at NASA centers. As a result of the procurement of goods and services in the Colorado economy, 15,109 additional jobs (58%) were created. The remaining employment—11,096 jobs (42%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 34 depicts the ten most impacted industries by employment. Scientific research and development services is the most impacted industry, accounting for more than a quarter of the jobs created. The employment in this industry is driven largely by NASA procurement spending; scientific research and development services accounted for 85% of NASA procurement spending in the state in Fiscal Year 2021.

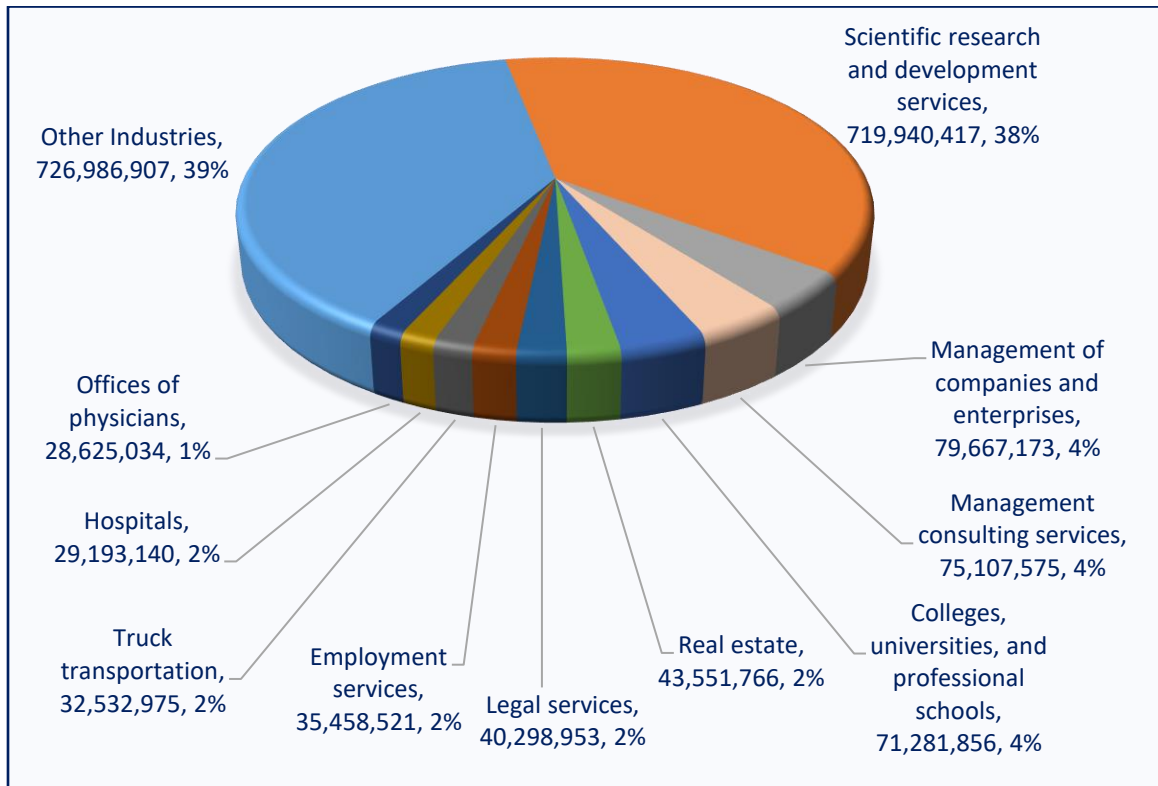
Figure 34: Top Ten Most Impacted Industries by Employment, Colorado (NASA)



The total income impact of NASA in Colorado was \$1.9 billion in Fiscal Year 2021. Of this amount, \$9 million (<1%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.2 billion (67%). The remaining income (induced impact), estimated to be \$621 million (33%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 35 depicts the ten most impacted industries by labor income. Scientific research and development services account for 38% of the total labor income earned. The reason that this industry’s share of labor income is larger than their share of employment is that employee compensation in this industry is greater than the state average. As of 2019, the average employee compensation in the scientific research and development services industry was \$103,136 (including benefits), compared to an average of \$64,294 across Colorado.

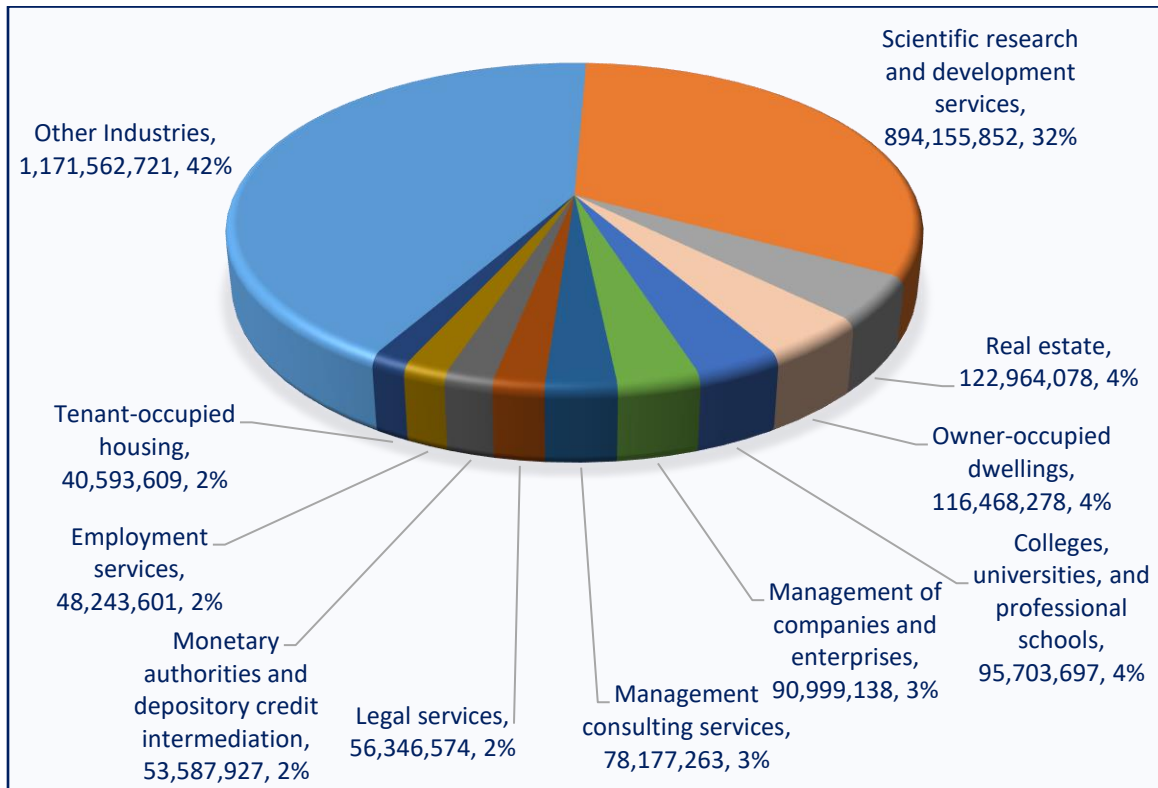
Figure 35: Top Ten Most Impacted Industries by Labor Income, Colorado (NASA)



The total value added impact of NASA in Colorado was \$2.7 billion in Fiscal Year 2021. Of this amount, \$11 million (<1%) was created by civil service employees and approximately \$1.7 billion (61%) was created indirectly by the \$1.7 billion in procurement spending across all industry sectors in Colorado. Around \$1 billion (39%) was generated by increased consumption spending supported by increased earnings.

Figure 36 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development services is the most impacted industry, accounting for 32% of the total value added created. NASA activities accounted for an increase of \$894 million in value added in scientific research and development services.

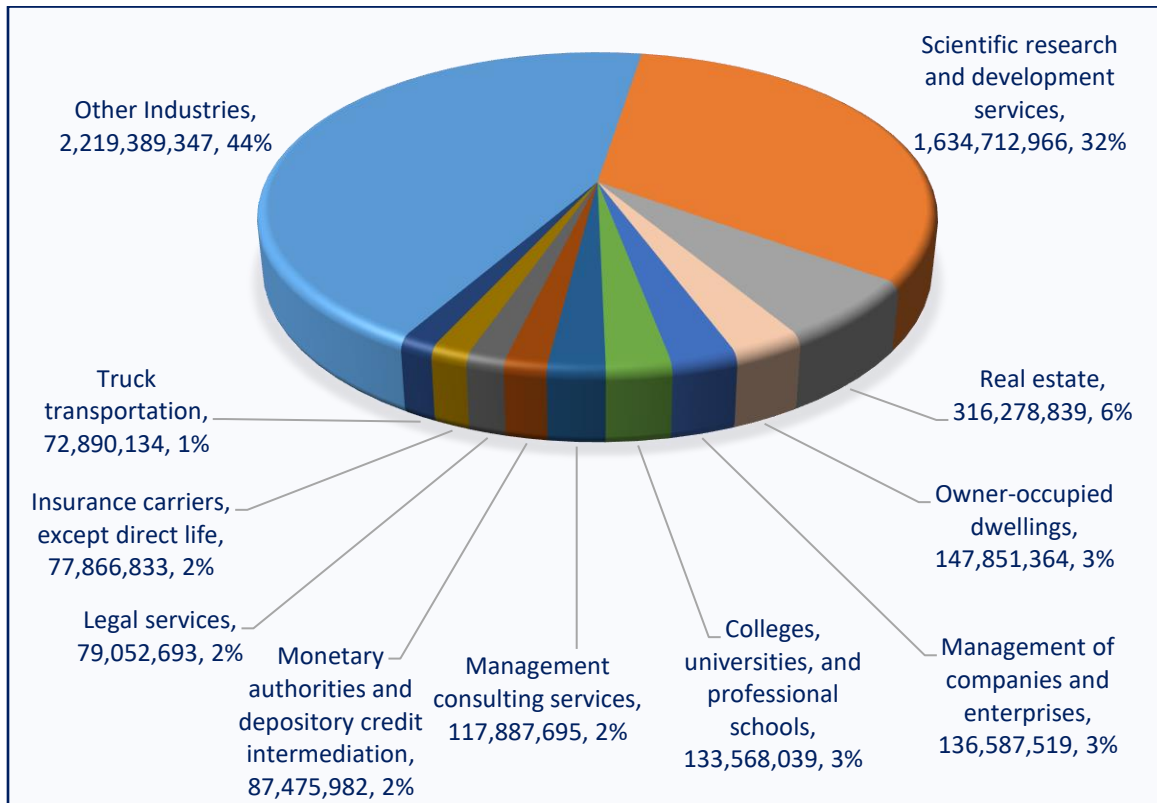
Figure 36: Top Ten Most Impacted Industries by Value Added, Colorado (NASA)



The total output impact of NASA in Colorado was \$5.0 billion in Fiscal Year 2021. The direct impact of \$24 million constitutes the value of production by NASA employees, accounting for around 1% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$1.7 billion resulted in an additional increase in output (gross sales) of \$1.3 billion across all industry sectors (adding up to the indirect total of \$3.0 billion in Table 67). More than \$1.9 billion (39%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$1.6 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services (Figure 37). Similar to employment, impact in this industry is largely driven by NASA procurement spending; scientific research and development services accounted for 85% of NASA procurement spending in the state in Fiscal Year 2021. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 37: Top Ten Most Impacted Industries by Output, Colorado (NASA)



M2M Campaign Impacts

In 2021, Colorado had 12 M2M-related civil service employees (6 FTEs) with a corresponding labor income of \$1 million. M2M campaign contracts sourced in the state in the same year totaled \$998.7 million. The total Colorado employment impact is 14,639 jobs. The labor income and economic output associated with this employment are approximately \$1.2 billion and \$3 billion, respectively. The M2M campaign generates \$106.6 million in tax revenues for the state and local governments in Colorado (Table 70).

Table 70: Summary of M2M Campaign Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	1,077	1,362	3,116	28
Indirect	7,939	760,861	1,015,356	1,802,607	40,204
Induced	6,694	387,815	679,288	1,196,157	66,321
Total	14,639	1,149,753	1,696,006	3,001,880	106,553
<i>Multiplier</i>	<i>2439.8</i>	<i>1067.6</i>	<i>1245.2</i>	<i>963.4</i>	<i>n.a.</i>

Note: The direct value-added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure

represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Colorado economy. Nearly all employment and output impacts are due to NASA procurement sourced within the state.

Table 71: M2M Campaign Employment Impacts by Sources of Impact, Colorado

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	6	35.3	0	0.0	6	0.0	100.0	0.0
Indirect	0	0.0	7,939	54.3	7,939	54.2	0.0	100.0
Induced	11	64.7	6,683	45.7	6,694	45.7	0.2	99.8
Total	17	100	14,622	100	14,639	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 72: M2M Campaign Output Impacts by Sources of Impact, Colorado

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	3,116	61.5	0	0.0	3,116	0.1	100.0	0.0
Indirect	0	0.0	1,802,607	60.2	1,802,607	60.0	0.0	100.0
Induced	1,954	38.5	1,194,203	39.8	1,196,157	39.8	0.2	99.8
Total	5,070	100	2,996,810	100	3,001,880	100	0.2	99.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

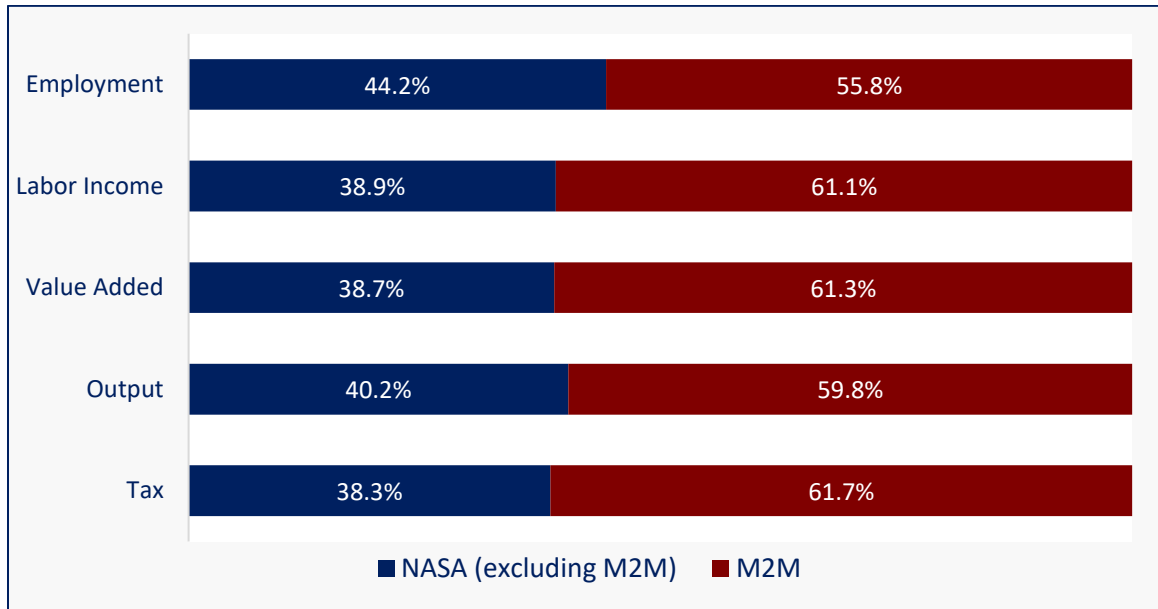
The M2M Campaign’s Share of NASA Impacts

Around 60% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 73 and Figure 38). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 73: The M2M Campaign Portion of Overall NASA Impacts, Colorado

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	26,255	1,882,644	2,768,803	5,023,561	172,807
M2M Portion	14,639	1,149,753	1,696,006	3,001,880	106,553
M2M Share (%)	55.8%	61.1%	61.3%	59.8%	61.7%

Figure 38: The M2M Campaign Portion of Overall NASA Impacts, Colorado



Investments in Climate Change Research and Technology Impacts

In 2021, Colorado had 14 climate change research and technology-related civil service employees (8 FTEs) with a corresponding labor income of \$1.3 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$190.1 million. The total Colorado employment impact is 3,552 jobs. The labor income and economic output associated with this employment are \$209.5 million and \$549 million, respectively. The investments in climate change research and technology generate \$18.3 million in tax revenues for the state and local governments in Colorado (Table 74).

Table 74: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	1,335	1,657	3,790	35
Indirect	2,274	139,401	188,424	327,227	6,224
Induced	1,270	68,757	118,089	218,018	12,088
Total	3,552	209,493	308,170	549,035	18,347
<i>Multiplier</i>	<i>444.0</i>	<i>156.9</i>	<i>186.0</i>	<i>144.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Colorado economy. Ninety-nine (99) percent employment and output impacts are due to NASA procurement sourced within the state.

Table 75: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Colorado

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	8	38.1	0	0.0	8	0.2	100.0	0.0
Indirect	0	0.0	2,274	64.4	2,274	64.0	0.0	100.0
Induced	13	61.9	1,257	35.6	1,270	35.8	1.0	99.0
Total	21	100	3,531	100	3,552	100	0.6	99.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 76: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Colorado

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,790	62.2	0	0.0	3,790	0.7	100.0	0.0
Indirect	0	0.0	327,227	60.3	327,227	59.6	0.0	100.0
Induced	2,301	37.8	215,717	39.7	218,018	39.7	1.1	98.9
Total	6,091	100	542,944	100	549,035	100	1.1	98.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

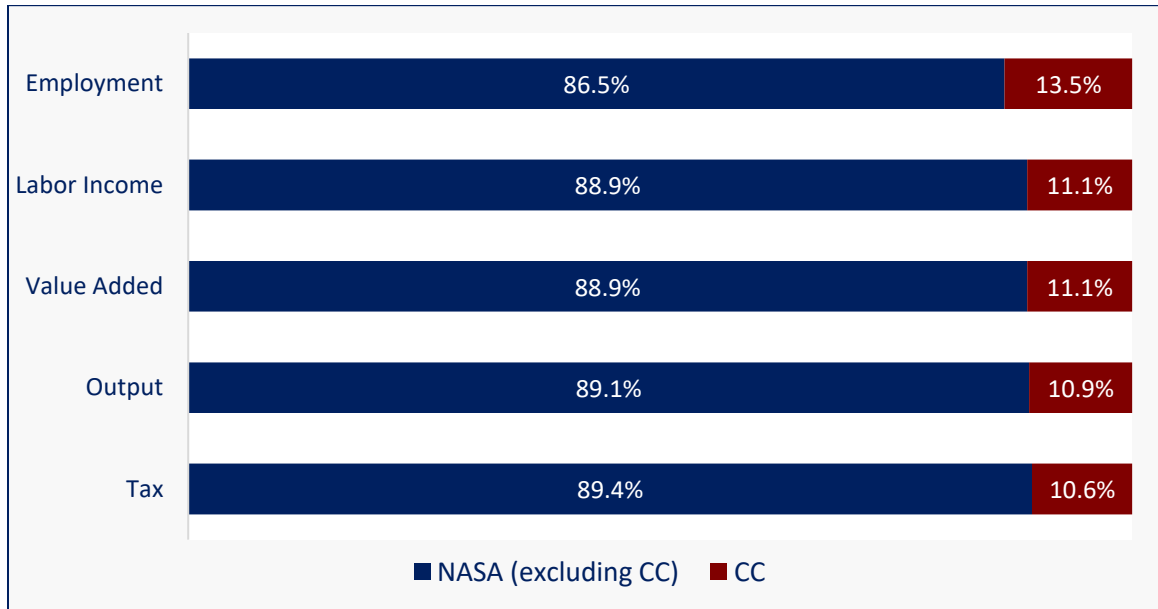
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 11% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 77 and Figure 39). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 77: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Colorado

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	26,255	1,882,644	2,768,803	5,023,561	172,807
CC Portion	3,552	209,493	308,170	549,035	18,347
CC Share (%)	13.5%	11.1%	11.1%	10.9%	10.6%

Figure 39: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Colorado



Economic Impacts on the State of Connecticut

NASA Impacts

In 2021, 18 NASA civil service employees (9 FTEs) residing in Connecticut earned \$880,000 in labor income. NASA contracts sourced in Connecticut in the same year totaled \$38.1 million. The total economic impact resulting from these activities is 485 jobs, \$42.9 million in labor income, and \$107.6 million in economic output. These economic activities generate \$4.8 million in tax revenues for the state and local governments in Connecticut (Table 78).

Table 78: Summary of NASA Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	880	1,831	4,189	27
Indirect	281	28,427	39,122	66,984	2,293
Induced	195	13,600	23,249	36,383	2,500
Total	485	42,907	64,202	107,556	4,820
<i>Multiplier</i>	<i>53.9</i>	<i>48.8</i>	<i>35.1</i>	<i>25.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Connecticut economy. Table 79 examines the sources of the employment figures in the second column of Table 78. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 97% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 3%.

Table 79: NASA Employment Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	9	56.3	0	0.0	9	1.9	100.0	0.0
Indirect	0	0.0	281	59.9	281	57.9	0.0	100.0
Induced	7	43.8	188	40.1	195	40.2	3.6	96.4
Total	16	100	469	100	485	100	3.3	96.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 80 examines the sources of the output figures in the fifth column of Table 78. Procurement spending is responsible for 95% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 5%.

Table 80: NASA Output Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,189	76.6	0	0.0	4,189	3.9	100.0	0.0
Indirect	0	0.0	66,984	65.6	66,984	62.3	0.0	100.0
Induced	1,277	23.4	35,106	34.4	36,383	33.8	3.5	96.5
Total	5,466	100	102,090	100	107,556	100	5.1	94.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Connecticut had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of less than \$1,000. M2M campaign contracts sourced in the state in the same year totaled \$7.1 million. The total Connecticut employment impact is 86 jobs. The labor income and economic output associated with this employment are approximately \$8.1 million and \$19.2 million, respectively. The M2M campaign generates \$963,000 in tax revenues for the state and local governments in Connecticut (Table 81).

Table 81: Summary of M2M Campaign Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	1	<1
Indirect	49	5,410	7,185	12,121	477
Induced	37	2,723	4,649	7,080	486
Total	86	8,133	11,834	19,202	963
<i>Multiplier</i>	<i>59984.2</i>	<i>31758.6</i>	<i>38673.7</i>	<i>27430</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Connecticut economy. Nearly all of the employment impacts and output impacts are due to NASA procurement sourced within the state.

Table 82: M2M Campaign Employment Impacts by Sources of Impact, Connecticut

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	41.2	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	49	57.0	49	56.9	0.0	100.0
Induced	<1	58.8	37	43.0	37	43.0	0.1	99.9
Total	<1	100	86	100	86	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 83: M2M Campaign Output Impacts by Sources of Impact, Connecticut

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1	64.1	0	0.0	1	0.1	100.0	0.0
Indirect	0	0.0	12,121	63.1	12,121	63.1	0.0	100.0
Induced	<1	35.9	7,080	36.9	7,080	36.8	0.1	99.9
Total	1	100	19,201	100	19,202	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

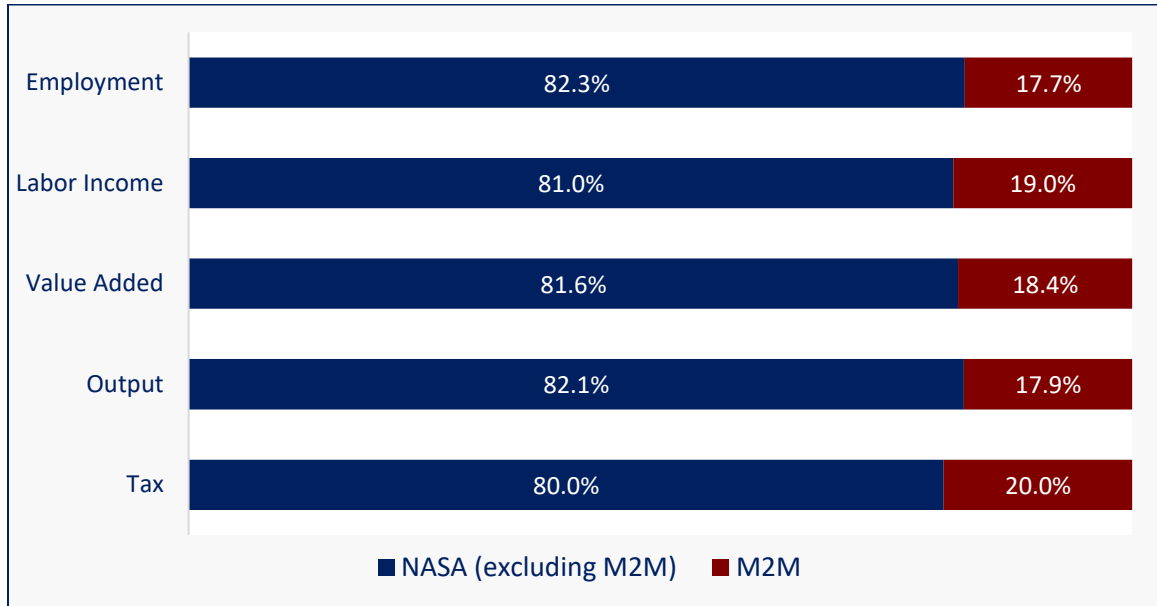
The M2M Campaign’s Share of NASA Impacts

Around 19% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 84 and Figure 40). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 84: The M2M Campaign Portion of Overall NASA Impacts, Connecticut

Impact Component	Employment	Labor			Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)			
NASA Total	485	42,907	64,202	107,556	4,820	
M2M Portion	86	8,133	11,834	19,202	963	
M2M Share (%)	17.7%	19.0%	18.4%	17.9%	20.0%	

Figure 40: The M2M Campaign Portion of Overall NASA Impacts, Connecticut



Investments in Climate Change Research and Technology Impacts

In 2021, Connecticut had three climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$111,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$18.3 million. The total Connecticut employment impact is 238 jobs. The labor income and economic output associated with this employment are \$19.9 million and \$48.9 million, respectively. The investments in climate change research and technology generate \$2.3 million in tax revenues for the state and local governments in Connecticut (Table 85).

Table 85: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	111	221	506	3
Indirect	143	13,474	18,287	31,276	1,069
Induced	94	6,293	10,716	17,194	1,182
Total	238	19,878	29,224	48,976	2,254
<i>Multiplier</i>	<i>238.0</i>	<i>179.1</i>	<i>132.2</i>	<i>96.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of

intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Connecticut economy. Around 99 percent of the employment impacts and 99 percent of the output impacts are due to NASA procurement sourced within the state.

Table 86: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Connecticut

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.4	100.0	0.0
Indirect	0	0.0	143	60.6	143	60.1	0.0	100.0
Induced	1	50.0	93	39.4	94	39.5	1.1	98.9
Total	2	100	236	100	238	100	0.8	99.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 87: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Connecticut

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	506	76.2	0	0.0	506	1.0	100.0	0.0
Indirect	0	0.0	31,276	64.7	31,276	63.9	0.0	100.0
Induced	158	23.8	17,036	35.3	17,194	35.1	0.9	99.1
Total	664	100	48,312	100	48,976	100	1.4	98.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

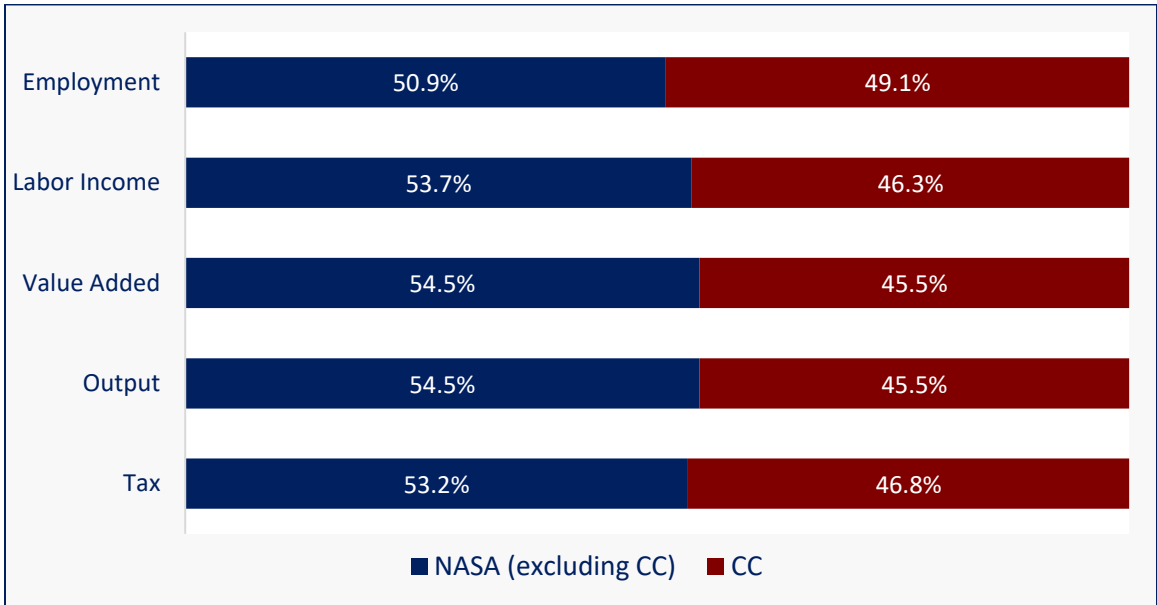
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 47% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 88 and Figure 41). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 88: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Connecticut

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	485	42,907	64,202	107,556	4,820
CC Portion	238	19,878	29,224	48,976	2,254
CC Share (%)	49.1%	46.3%	45.5%	45.5%	46.8%

Figure 41: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Connecticut



Economic Impacts on the State of Delaware

NASA Impacts

In 2021, nine NASA civil service employees (8 FTEs) residing in Delaware earned nearly \$1.4 million in labor income. NASA contracts sourced in Delaware in the same year totaled \$8 million. The total economic impact resulting from these activities is 114 jobs, \$9.6 million in labor income, and \$25.4 million in economic output. These economic activities generate \$895,000 in tax revenues for the state and local governments in Delaware (Table 89).

Table 89: Summary of NASA Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	1,352	1,733	3,966	41
Indirect	55	5,428	7,288	13,061	434
Induced	51	2,810	5,154	8,348	420
Total	114	9,590	14,175	25,375	895
<i>Multiplier</i>	<i>14.3</i>	<i>7.1</i>	<i>8.2</i>	<i>6.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Delaware economy. Table 90 examines the sources of the employment figures in the second column of Table 89. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 83% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 17%.

Table 90: NASA Employment Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	8	42.1	0	0.0	8	7.0	100.0	0.0
Indirect	0	0.0	55	57.9	55	48.2	0.0	100.0
Induced	11	57.9	40	42.1	51	44.7	21.6	78.4
Total	19	100	95	100	114	100	16.7	83.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 91 examines the sources of the output figures in the fifth column of Table 89. Procurement spending is responsible for more than 77% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is nearly 23%.

Table 91: NASA Output Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,966	69.0	0	0.0	3,966	15.6	100.0	0.0
Indirect	0	0.0	13,061	66.6	13,061	51.5	0.0	100.0
Induced	1,785	31.0	6,563	33.4	8,348	32.9	21.4	78.6
Total	5,751	100	19,624	100	25,375	100	22.7	77.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars (M2M) Campaign Impacts

In 2021, Delaware had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of \$17,000. M2M campaign contracts sourced in the state in the same year totaled \$673,000. The total Delaware employment impact is 8 jobs. The labor income and economic output associated with this employment are \$682,000 and \$1.7 million, respectively. The M2M campaign generates \$68,000 in tax revenues for the state and local governments in Delaware (Table 92).

Table 92: Summary of M2M Campaign Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	17	39	89	1
Indirect	4	460	613	1,059	37
Induced	4	205	371	591	30
Total	8	682	1,023	1,739	68
<i>Multiplier</i>	<i>42.8</i>	<i>40.1</i>	<i>26.2</i>	<i>19.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Delaware economy. Nearly 96 percent of the employment impacts and 94 percent of the output impacts are due to NASA procurement sourced within the state.

Table 93: M2M Campaign Employment Impacts by Sources of Impact, Delaware

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	55.8	0	0.0	<1	2.2	100.0	0.0
Indirect	0	0.0	4	50.0	4	48.9	0.0	100.0
Induced	<1	44.2	4	50.0	4	48.9	4.1	95.9
Total	<1	100	8	100	8	100	4.2	95.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 94: M2M Campaign Output Impacts by Sources of Impact, Delaware

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	89	78.8	0	0.0	89	5.1	100.0	0.0
Indirect	0	0.0	1,059	65.1	1,059	60.9	0.0	100.0
Induced	24	21.2	567	34.9	591	34.0	4.1	95.9
Total	113	100	1,626	100	1,739	100	6.5	93.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

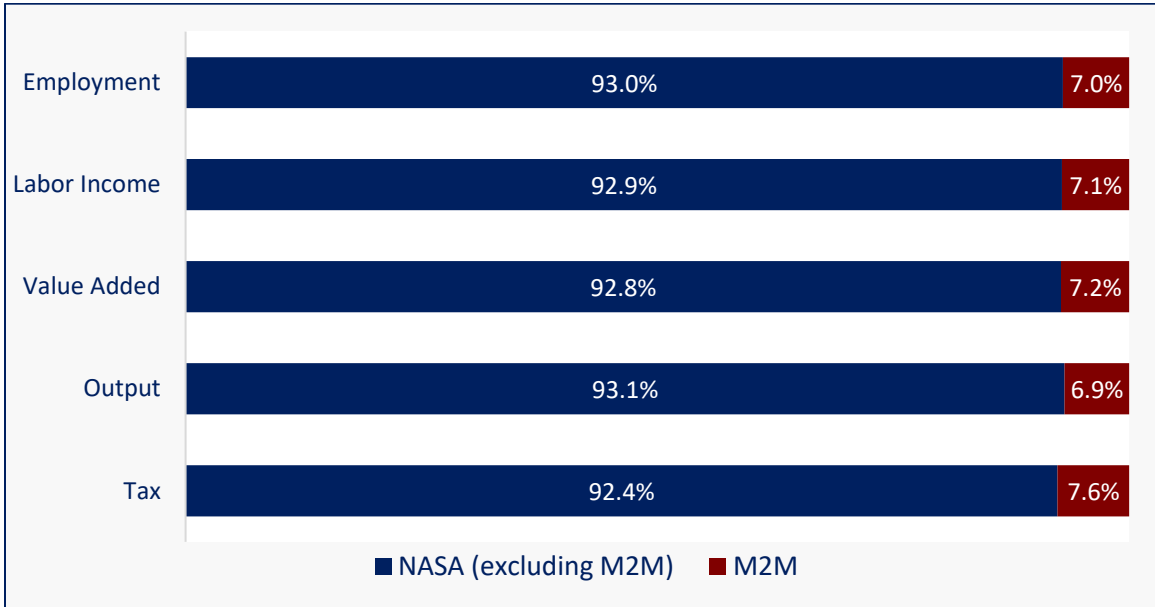
The Moon to Mars Campaign's Share of NASA Impacts

Around 7% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 95 and Figure 42). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the Moon to Mars campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 95: The M2M Campaign Portion of Overall NASA Impacts, Delaware

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	114	9,590	14,175	25,375	895
M2M Portion	8	682	1,023	1,739	68
M2M Share (%)	7.0%	7.1%	7.2%	6.9%	7.6%

Figure 42: The Moon to Mars Campaign Portion of Overall NASA Impacts, Delaware



Investments in Climate Change Research and Technology Impacts

In 2021, Delaware had two climate change research and technology-related civil service employees (<1 FTE) with a corresponding labor income of \$6,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.5 million. The total Delaware employment impact is 17 jobs. The labor income and economic output associated with this employment are \$1.4 million and \$3.7 million, respectively. Investments in climate change research and technology generate \$143,000 in tax revenues for the state and local governments in Delaware (Table 96).

Table 96: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	6	13	31	<1
Indirect	10	968	1,309	2,457	85
Induced	7	383	702	1,165	58
Total	17	1,357	2,024	3,653	143
<i>Multiplier</i>	<i>275.3</i>	<i>226.2</i>	<i>155.7</i>	<i>117.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Delaware economy. Around 99 percent of the employment impacts and 99 percent of the output impacts are due to NASA procurement sourced within the state.

Table 97: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Delaware

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	56.4	0	0.0	<1	0.3	100.0	0.0
Indirect	0	0.0	10	58.8	10	58.6	0.0	100.0
Induced	<1	43.6	7	41.2	7	41.1	0.7	99.3
Total	<1	100	17	100	17	100	0.6	99.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 98: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Delaware

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	31	79.5	0	0.0	31	0.8	100.0	0.0
Indirect	0	0.0	2,457	68.0	2,457	67.3	0.0	100.0
Induced	8	20.5	1,157	32.0	1,165	31.9	0.7	99.3
Total	39	100	3,614	100	3,653	100	1.1	98.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

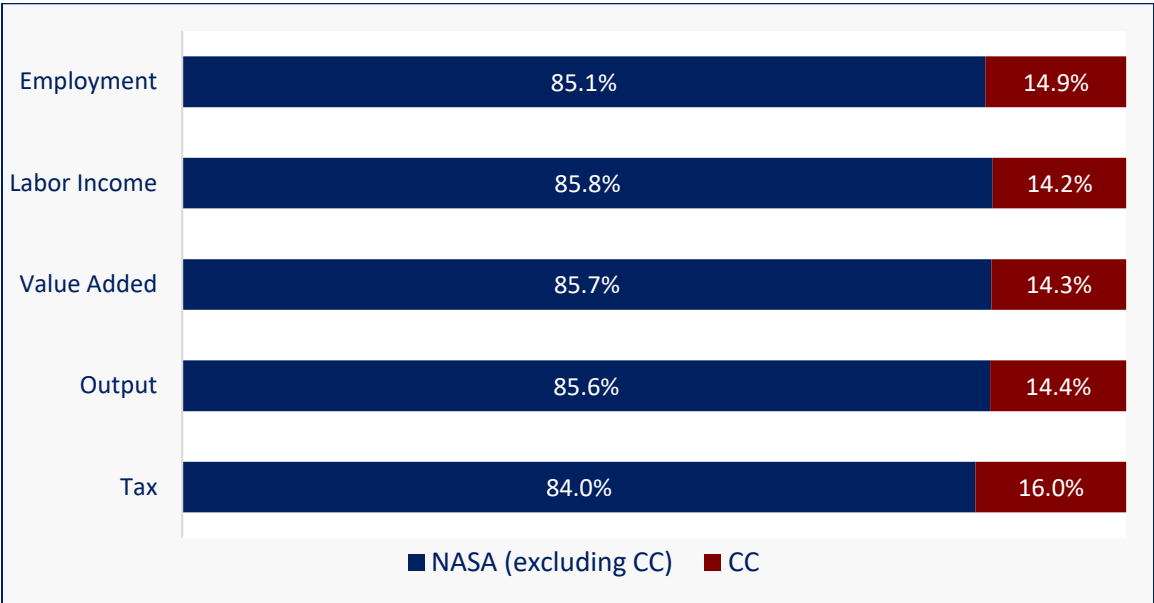
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Approximately 15% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 99 and Figure 43). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 99: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Delaware

Impact Component	Employment	Labor			Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)			
NASA Total	114	9,590	14,175	25,375	895	
CC Portion	17	1,357	2,024	3,653	143	
CC Share (%)	14.9%	14.2%	14.3%	14.4%	16.0%	

Figure 43: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Delaware



Economic Impacts on the State of Florida

NASA Impacts

In 2021, 2,341 NASA civil service employees (2,172 FTEs) residing in Florida earned \$363.6 million in labor income. NASA contracts sourced in Florida in the same year totaled \$1.9 billion. The total economic impact resulting from these activities is 38,569 jobs, \$2.4 billion in labor income, and \$7.4 billion in economic output. These economic activities generate \$248.2 million in tax revenues for the state and local governments in Florida (Table 100).

The employment multiplier is 17.8, meaning that for every NASA job located in Florida, an additional 16.8 jobs are supported in the state economy. The output multiplier of 7 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$6 million worth of output is sustained throughout the state economy.

Table 100: Summary of NASA Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,172	363,566	462,488	1,058,046	1,587
Indirect	19,852	1,245,739	1,854,498	3,647,246	102,841
Induced	16,545	832,139	1,490,556	2,719,793	143,777
Total	38,569	2,441,444	3,807,542	7,425,085	248,205
<i>Multiplier</i>	<i>17.8</i>	<i>6.7</i>	<i>8.2</i>	<i>7.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Florida economy. Table 101 examines the sources of the employment figures in the second column of Table 100. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Around 83% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 17%.

Table 101: NASA Employment Impacts by Sources of Impact, Florida

Type of Impact	NASA Employment		NASA Procurement		Total		Shares	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2,172	33.8	0	0.0	2,172	5.6	100.0	0.0
Indirect	0	0.0	19,852	61.8	19,852	51.5	0.0	100.0
Induced	4,251	66.2	12,294	38.2	16,545	42.9	25.7	74.3
Total	6,423	100	32,146	100	38,569	100	16.7	83.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 102 examines the sources of the output figures in the fifth column of Table 100. Procurement spending is responsible for more than 76% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 24%.

Table 102: NASA Output Impacts by Sources of Impact, Florida

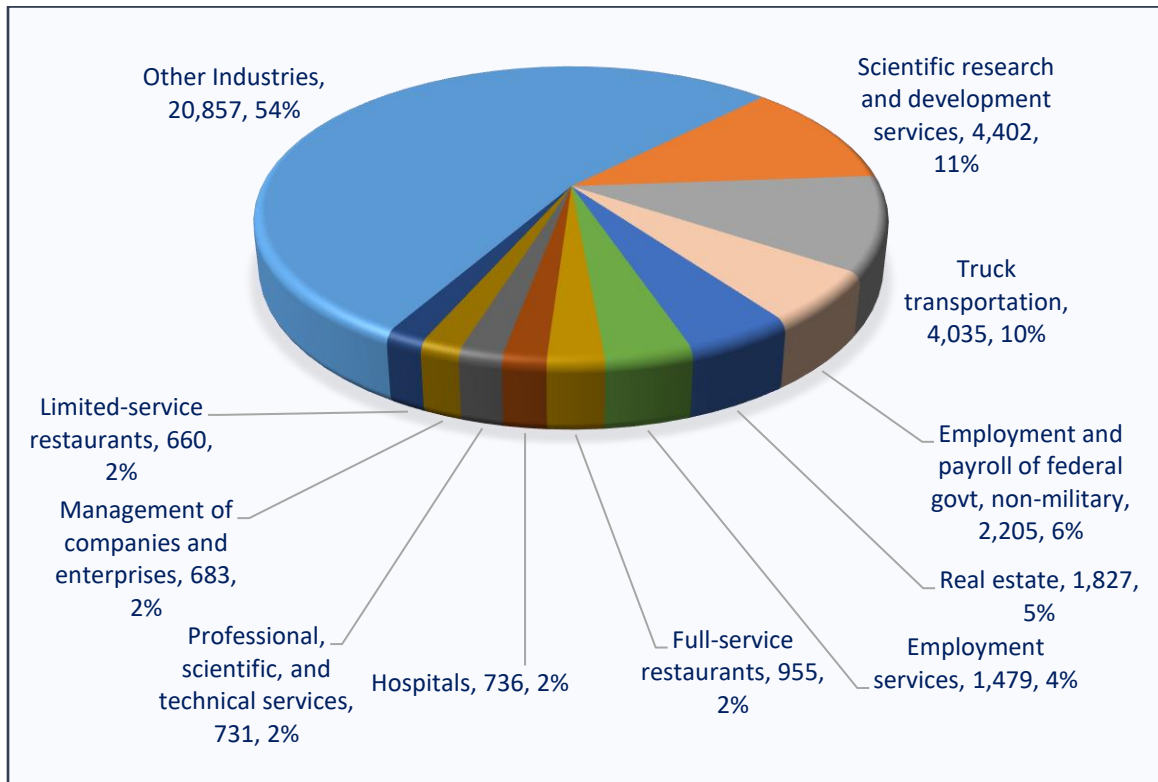
Type of Impact	NASA Employment		NASA Procurement		Total		Shares	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,058,046	60.2	0	0.0	1,058,046	14.2	100.0	0.0
Indirect	0	0.0	3,647,246	64.3	3,647,246	49.1	0.0	100.0
Induced	699,179	39.8	2,020,614	35.7	2,719,793	36.6	25.7	74.3
Total	1,757,225	100	5,667,860	100	7,425,085	100	23.7	76.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

38,569 jobs in the Florida economy were supported by NASA activities in Fiscal Year 2021. Of these, 2,172 (6%) were directly located at NASA centers. As a result of the procurement of goods and services in the Florida economy, 19,852 additional jobs (51%) were created. The remaining employment—16,545 jobs (43%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 44 depicts the ten most impacted industries by employment. Scientific research and development services, truck transportation and the federal government sector are the most impacted industries. These three industries together account for 27% of the jobs created. The employment in scientific research and development services is driven largely by NASA procurement spending; this industry accounted for 44% of NASA procurement spending in the state in Fiscal Year 2021. The impact in the federal government sector represents mainly civil service employees working for NASA.

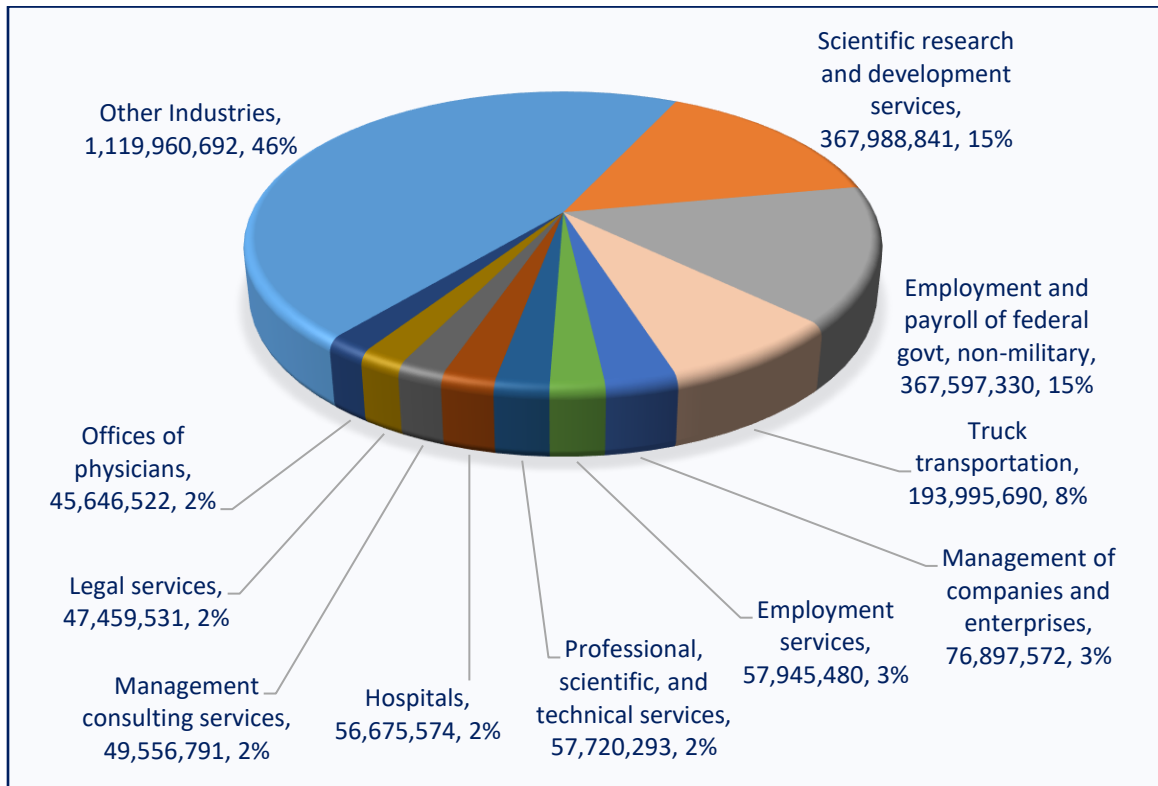
Figure 44: Top Ten Most Impacted Industries by Employment, Florida (NASA)



The total income impact of NASA in Florida was \$2.4 billion in Fiscal Year 2021. Of this amount, more than \$363 million (15%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.2 billion (51%). The remaining income (induced impact), estimated to be \$832 million (34%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 45 depicts the ten most impacted industries by labor income. As a consequence of its share of total employment, scientific research and development services (along with the federal government sector) is the most impacted industries. The two industries together account for 30% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019, the average employee compensation in the scientific research and development services industry was \$82,081 (including benefits), compared to an average of \$51,944 across Florida.

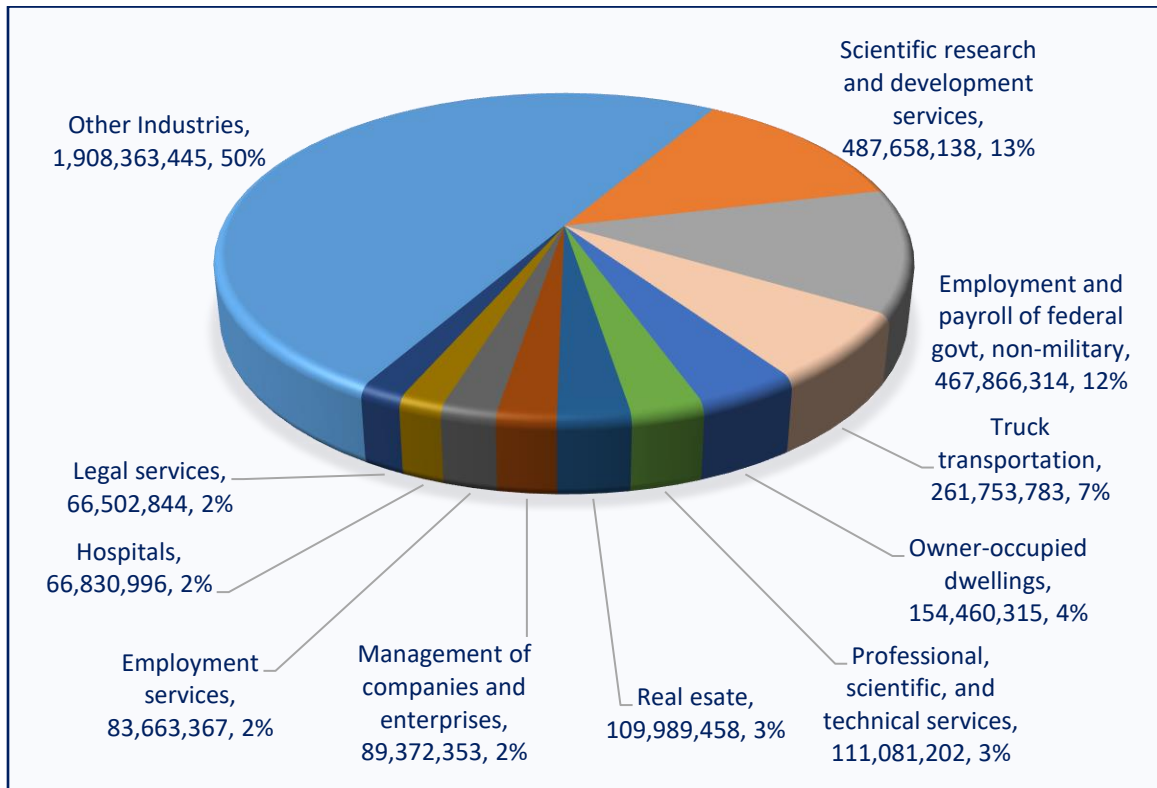
Figure 45: Top Ten Most Impacted Industries by Labor Income, Florida (NASA)



The total value added impact of NASA in Florida was \$3.8 billion in Fiscal Year 2021. Of this amount, more than \$462 million (12%) was created by civil service employees and \$1.8 billion (49%) was created indirectly by the \$1.9 billion in procurement spending across all industry sectors in Florida. \$1.5 billion (39%) was generated by increased consumption spending supported by increased earnings.

Figure 46 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development services and the federal government sector are the most impacted industries. The two industries together account for 25% of the total value added created. NASA activities accounted for an increase of \$487 million in value added in scientific research and development services. Four hundred sixty-seven (467) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

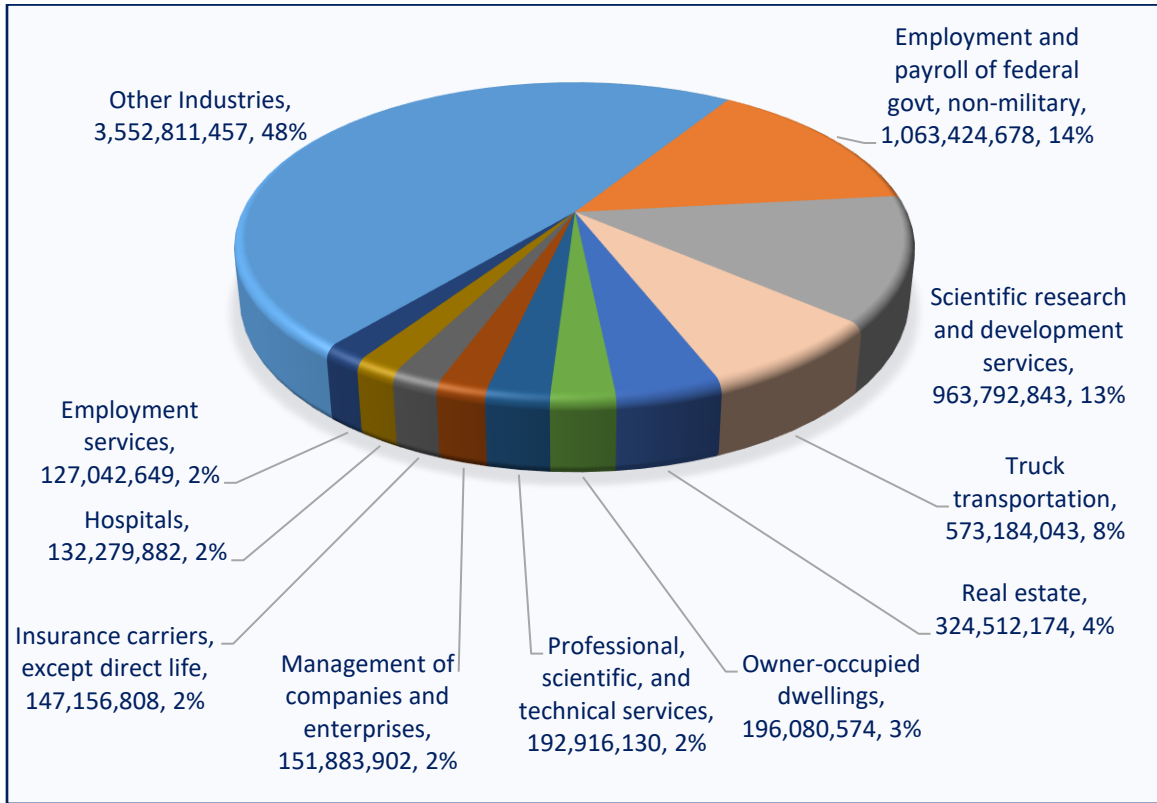
Figure 46: Top Ten Most Impacted Industries by Value Added, Florida (NASA)



The total output impact of NASA in Florida was \$7.4 billion in Fiscal Year 2021. The direct impact of \$1.1 billion constitutes the value of production by NASA employees, accounting for around 14% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$1.9 billion resulted in an additional increase in output (gross sales) of \$1.7 billion across all industry sectors (adding up to the indirect total of \$3.6 billion in Table 100). More than \$2.7 billion (37%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$963 million in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services (Figure 47). Similar to employment, impacts in this industry is largely driven by NASA procurement spending; these two industries accounted for 44% of NASA procurement spending in the state in Fiscal Year 2021. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 47: Top Ten Most Impacted Industries by Output, Florida (NASA)



M2M Campaign Impacts

In 2021, Florida had 902 M2M-related civil service employees (600 FTEs) with a corresponding labor income of nearly \$99.9 million. M2M campaign contracts sourced in the state in the same year totaled \$509.4 million. The total Florida employment impact is 10,016 jobs. The labor income and economic output associated with this employment are \$702.3 million and \$2 billion, respectively. The M2M campaign generates \$62.6 million in tax revenues for the state and local governments in Florida (Table 103).

Table 103: Summary of M2M Campaign Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	600	99,887	127,834	292,449	436
Indirect	4,719	355,334	516,041	976,229	20,269
Induced	4,697	247,127	445,364	792,680	41,912
Total	10,016	702,348	1,089,239	2,061,358	62,617
<i>Multiplier</i>	<i>16.7</i>	<i>7.0</i>	<i>8.5</i>	<i>7.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure

represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Florida economy. Eighty-two (82) percent of the employment impacts and seventy-six (76) percent of the output impacts are due to NASA procurement sourced within the state.

Table 104: M2M Campaign Employment Impacts by Sources of Impact, Florida

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	600	33.4	0	0.0	600	6.0	100.0	0.0
Indirect	0	0.0	4,719	57.4	4,719	47.1	0.0	100.0
Induced	1,196	66.6	3,501	42.6	4,697	46.9	25.5	74.5
Total	1,796	100	8,220	100	10,016	100	17.9	82.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 105: M2M Campaign Output Impacts by Sources of Impact, Florida

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	292,449	59.2	0	0.0	292,449	14.2	100.0	0.0
Indirect	0	0.0	976,229	62.3	976,229	47.4	0.0	100.0
Induced	201,856	40.8	590,824	37.7	792,680	38.5	25.5	74.5
Total	494,305	100	1,567,053	100	2,061,358	100	24.0	76.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

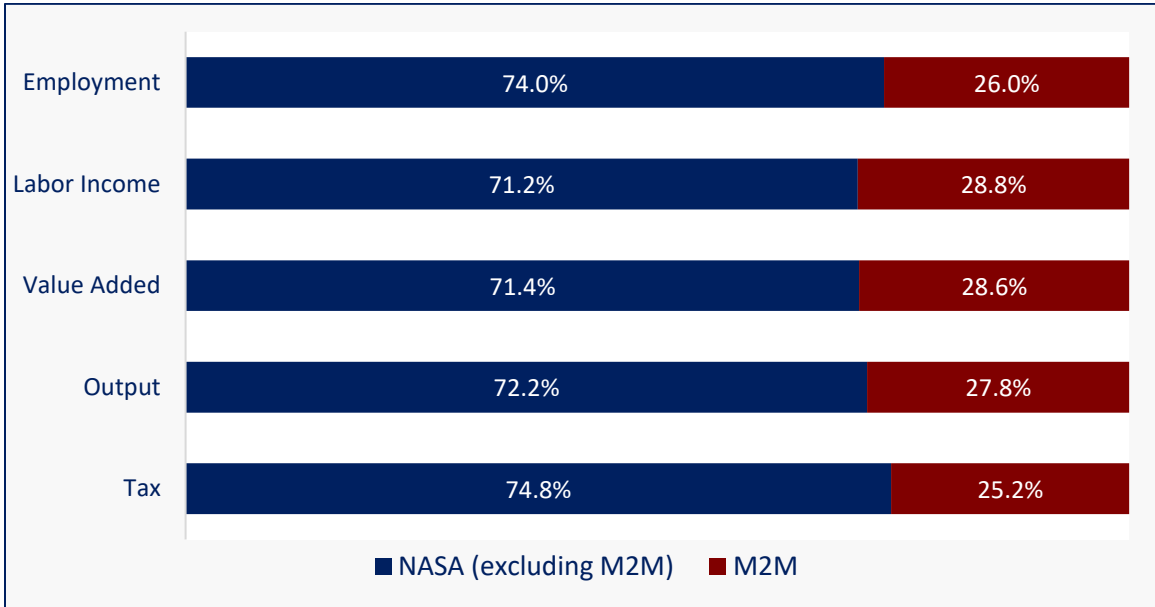
The M2M Campaign's Share of NASA Impacts

Around 27% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 106 and Figure 48). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 106: The M2M Campaign Portion of Overall NASA Impacts, Florida

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	38,569	2,441,444	3,807,542	7,425,085	248,205
M2M Portion	10,016	702,348	1,089,239	2,061,358	62,617
M2M Share (%)	26.0%	28.8%	28.6%	27.8%	25.2%

Figure 48: The M2M Campaign Portion of Overall NASA Impacts, Florida



Investments in Climate Change Research and Technology Impacts

In 2021, Florida had 61 climate change research and technology-related civil service employees (13 FTEs) with a corresponding labor income of \$2.2 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled approximately \$141.4 million. The total Florida employment impact is 2,565 jobs. The labor income and economic output associated with this employment are \$145.4 million and \$431.6 million, respectively. The investments in climate change research and technology generate nearly \$13.9 million in tax revenues for the state and local governments in Florida (Table 107).

Table 107: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,185	2,799	6,404	10
Indirect	1,527	93,992	136,806	261,114	5,167
Induced	1,025	49,196	87,732	164,126	8,677
Total	2,565	145,373	227,337	431,644	13,854
<i>Multiplier</i>	<i>197.3</i>	<i>66.5</i>	<i>81.2</i>	<i>67.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Florida economy. More than 98 percent of the employment impacts and 97 percent of the output impacts are due to NASA procurement sourced within the state.

Table 108: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Florida

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	13	33.3	0	0.0	13	0.5	100.0	0.0
Indirect	0	0.0	1,527	60.5	1,527	59.5	0.0	100.0
Induced	26	66.7	999	39.5	1,025	40.0	2.5	97.5
Total	39	100	2,526	100	2,565	100	1.5	98.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 109: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Florida

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	6,404	60.7	0	0.0	6,404	1.5	100.0	0.0
Indirect	0	0.0	261,114	62.0	261,114	60.5	0.0	100.0
Induced	4,143	39.3	159,983	38.0	164,126	38.0	2.5	97.5
Total	10,547	100	421,097	100	431,644	100	2.4	97.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

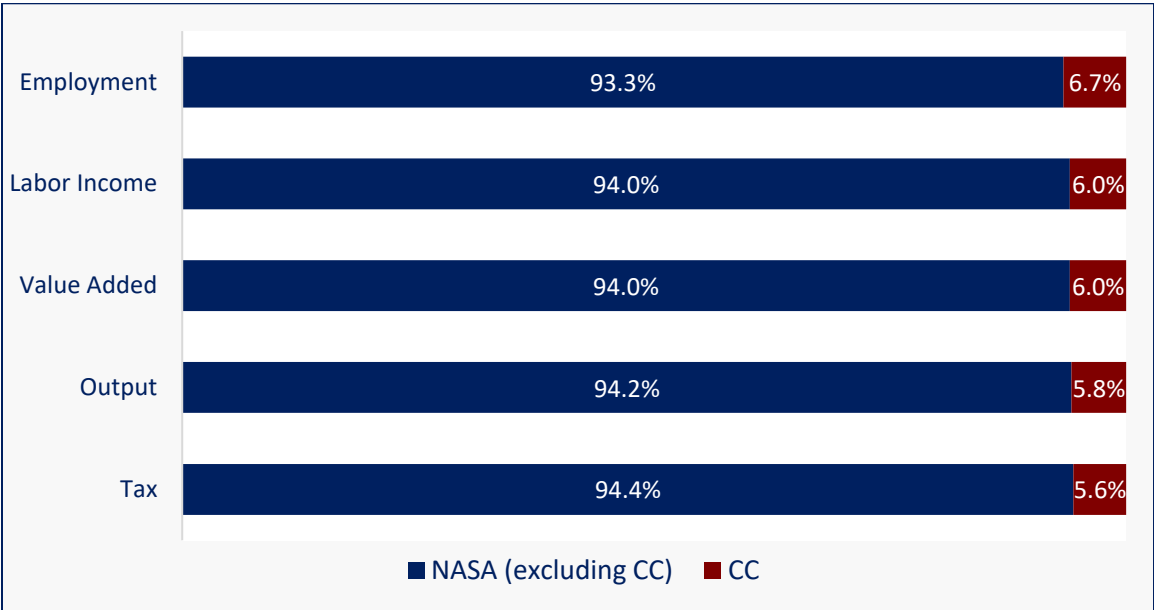
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 6% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 110 and Figure 49). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 110: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Florida

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	38,569	2,441,444	3,807,542	7,425,085	248,205
CC Portion	2,565	145,373	227,337	431,644	13,854
CC Share (%)	6.7%	6.0%	6.0%	5.8%	5.6%

Figure 49: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Florida



Economic Impacts on the State of Georgia

NASA Impacts

In 2021, 34 NASA civil service employees (19 FTEs) residing in Georgia earned \$2.7 million in labor income. NASA contracts sourced in Georgia in the same year totaled \$26.6 million. The total economic impact resulting from these activities is 462 jobs, \$30.3 million in labor income, and \$89.3 million in economic output. These economic activities generate \$2.9 million in tax revenues for the state and local governments in Georgia (Table 111).

Table 111: Summary of NASA Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	19	2,739	4,009	9,171	74
Indirect	255	17,748	26,132	48,134	1,184
Induced	188	9,804	17,911	32,024	1,640
Total	462	30,291	48,052	89,329	2,898
<i>Multiplier</i>	<i>24.3</i>	<i>11.1</i>	<i>12.0</i>	<i>9.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Georgia economy. Table 112 examines the sources of the employment figures in the second column of Table 111. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 90% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is around 10%.

Table 112: NASA Employment Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	19	39.6	0	0.0	19	4.1	100.0	0.0
Indirect	0	0.0	255	61.6	255	55.2	0.0	100.0
Induced	29	60.4	159	38.4	188	40.7	15.4	84.6
Total	48	100	414	100	462	100	10.4	89.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 113 examines the sources of the output figures in the fifth column of Table 111. Procurement spending is responsible for 84% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 16%.

Table 113: NASA Output Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	9,171	65.0	0	0.0	9,171	10.3	100.0	0.0
Indirect	0	0.0	48,134	64.0	48,134	53.9	0.0	100.0
Induced	4,933	35.0	27,091	36.0	32,024	35.8	15.4	84.6
Total	14,104	100	75,225	100	89,329	100	15.8	84.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Georgia had seven M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$360,000. M2M campaign contracts sourced in the state in the same year totaled \$2.3 million. The total Georgia employment impact is 42 jobs. The labor income and economic output associated with this employment are \$3.1 million and \$8.4 million, respectively. The M2M campaign generates \$273,000 in tax revenues for the state and local governments in Georgia (Table 114).

Table 114: Summary of M2M Campaign Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	360	447	1,022	10
Indirect	21	1,660	2,272	4,064	93
Induced	19	1,036	1,895	3,304	170
Total	42	3,056	4,614	8,390	273
<i>Multiplier</i>	<i>21.0</i>	<i>8.5</i>	<i>10.3</i>	<i>8.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Georgia economy. Nearly 86% of the employment impacts and 80% of the output impacts are due to NASA procurement sourced within the state.

Table 115: M2M Campaign Employment Impacts by Sources of Impact, Georgia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	33.3	0	0.0	2	4.8	100.0	0.0
Indirect	0	0.0	21	58.3	21	50.0	0.0	100.0
Induced	4	66.7	15	41.7	19	45.2	21.1	78.9
Total	6	100	36	100	42	100	14.3	85.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 116: M2M Campaign Output Impacts by Sources of Impact, Georgia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,022	60.2	0	0.0	1,022	12.2	100.0	0.0
Indirect	0	0.0	4,064	60.7	4,064	48.4	0.0	100.0
Induced	675	39.8	2,629	39.3	3,304	39.4	20.4	79.6
Total	1,697	100	6,693	100	8,390	100	20.2	79.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

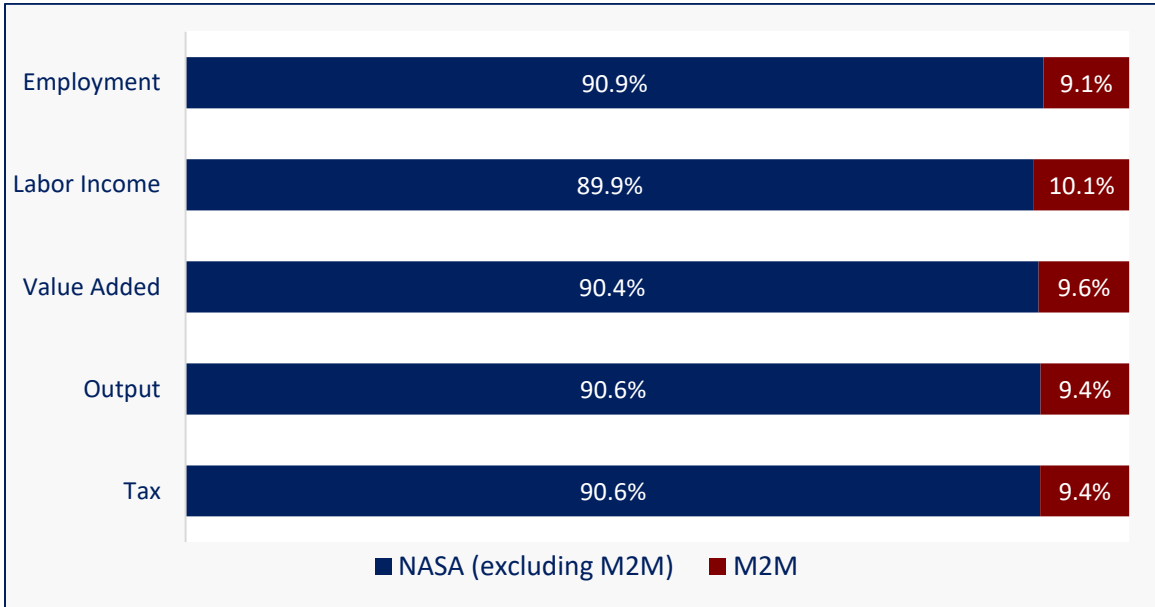
The M2M Campaign's Share of NASA Impacts

Approximately 10% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 117 and Figure 50). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 117: The M2M Campaign Portion of Overall NASA Impacts, Georgia

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	462	30,291	48,052	89,329	2,898
M2M Portion	42	3,056	4,614	8,390	273
M2M Share (%)	9.1%	10.1%	9.6%	9.4%	9.4%

Figure 50: The M2M Campaign Portion of Overall NASA Impacts, Georgia



Investments in Climate Change Research and Technology Impacts

In 2021, Georgia had six climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$255,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$8.3 million. The total Georgia employment impact is 140 jobs. The labor income and economic output associated with this employment are \$8.3 million and \$23.9 million, respectively. The investments in climate change research and technology generate \$828,000 in tax revenues for the state and local governments in Georgia (Table 118).

Table 118: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	255	400	915	7
Indirect	84	5,377	7,963	14,018	362
Induced	54	2,687	4,877	8,964	459
Total	140	8,319	13,240	23,897	828
<i>Multiplier</i>	<i>70.0</i>	<i>32.6</i>	<i>33.1</i>	<i>26.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Georgia economy. Around 96% of the employment impacts and 94% of the output impacts are due to NASA procurement sourced within the state.

Table 119: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Georgia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	40.0	0	0.0	2	1.4	100.0	0.0
Indirect	0	0.0	84	62.2	84	60.0	0.0	100.0
Induced	3	60.0	51	37.8	54	38.6	5.6	94.4
Total	5	100	135	100	140	100	3.6	96.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 120: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Georgia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	915	66.8	0	0.0	915	3.8	100.0	0.0
Indirect	0	0.0	14,018	62.2	14,018	58.7	0.0	100.0
Induced	454	33.2	8,510	37.8	8,964	37.5	5.1	94.9
Total	1,369	100	22,528	100	23,897	100	5.7	94.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

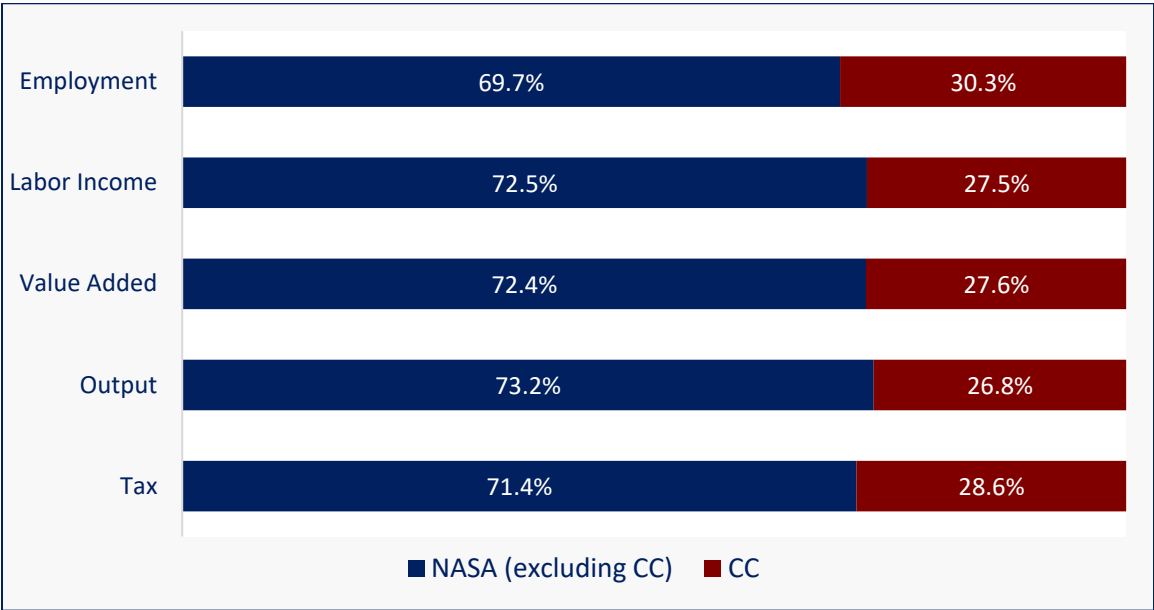
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 28% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 121 and Figure 51). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 121: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Georgia

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	462	30,291	48,052	89,329	2,898
CC Portion	140	8,319	13,240	23,897	828
CC Share (%)	30.3%	27.5%	27.6%	26.8%	28.6%

Figure 51: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Georgia



Economic Impacts on the State of Hawaii

NASA Impacts

In 2021, three NASA civil service employees (3 FTEs) residing in Hawaii earned \$370,000 in labor income. NASA contracts sourced in Hawaii in the same year totaled \$26.3 million. The total economic impact resulting from these activities is 354 jobs, \$23.8 million in labor income, and \$64.8 million in economic output. These economic activities generate \$2.7 million in tax revenues for the state and local governments in Hawaii (Table 122).

Table 122: Summary of NASA Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	370	584	1,337	11
Indirect	222	16,514	20,353	41,581	1,054
Induced	129	6,872	12,667	21,882	1,606
Total	354	23,756	33,604	64,800	2,671
<i>Multiplier</i>	<i>118.0</i>	<i>64.2</i>	<i>57.5</i>	<i>48.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Hawaii economy. Table 123 examines the sources of the employment figures in the second column of Table 122. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Around 98% of jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 2%.

Table 123: NASA Employment Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	3	50.0	0	0.0	3	0.8	100.0	0.0
Indirect	0	0.0	222	63.8	222	62.7	0.0	100.0
Induced	3	50.0	126	36.2	129	36.4	2.3	97.7
Total	6	100	348	100	354	100	1.7	98.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 124 examines the sources of the output figures in the fifth column of Table 122. Procurement spending is responsible for 97% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 3%.

Table 124: NASA Output Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,337	71.8	0	0.0	1,337	2.1	100.0	0.0
Indirect	0	0.0	41,581	66.1	41,581	64.2	0.0	100.0
Induced	526	28.2	21,356	33.9	21,882	33.8	2.4	97.6
Total	1,863	100	62,937	100	64,800	100	2.9	97.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Hawaii in FY 2021, but \$260,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 4 jobs, \$251,000 in labor income, and \$586,000 worth of output. These economic activities generate \$35,000 in tax revenues for the state and local governments in Hawaii (Table 125).

Table 125: Summary of M2M Campaign Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	3	174	196	348	18
Induced	1	77	141	238	17
Total	4	251	337	586	35
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

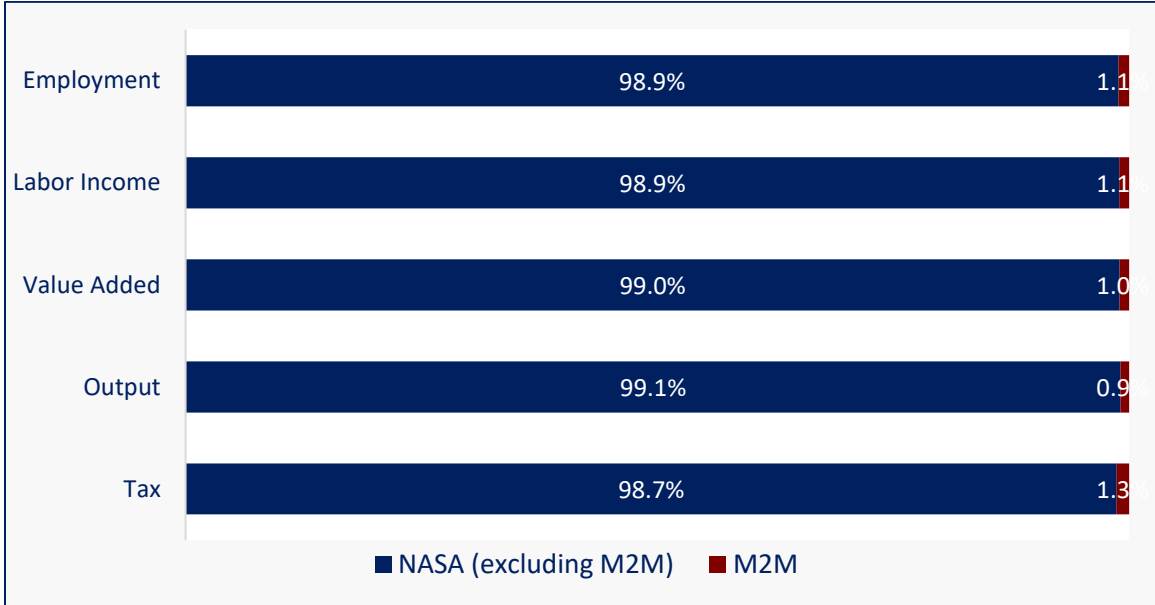
The M2M Campaign’s Share of NASA Impacts

Around 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 126 and Figure 52).

Table 126: The M2M Campaign Portion of Overall NASA Impacts, Hawaii

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	354	23,756	33,604	64,800	2,671
M2M Portion	4	251	337	586	35
M2M Share (%)	1.1%	1.1%	1.0%	0.9%	1.3%

Figure 52: The M2M Campaign Portion of Overall NASA Impacts, Hawaii



Investments in Climate Change Research and Technology Impacts

In 2021, Hawaii had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$1,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$5.7 million. The total Hawaii employment impact is 78 jobs. The labor income and economic output associated with this employment are \$4.9 million and \$13.6 million, respectively. The investments in climate change research and technology activities generate \$569,000 in tax revenues for the state and local governments in Hawaii (Table 127).

Table 127: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	1	<1	1	<1
Indirect	51	3,536	4,377	9,139	240
Induced	27	1,380	2,534	4,481	329
Total	78	4,917	6,911	13,621	569
<i>Multiplier</i>	<i>36319.4</i>	<i>4813.5</i>	<i>15061.0</i>	<i>12974.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Hawaii economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 128: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Hawaii

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	20.0	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	51	65.4	51	65.3	0.0	100.0
Induced	<1	80.0	27	34.6	27	34.6	0.1	99.9
Total	<1	100	78	100	78	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 129: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Hawaii

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.0	100.0	0.0
Indirect	0	0.0	9,139	67.1	9,139	67.1	0.0	100.0
Induced	1	50.0	4,480	32.9	4,481	32.9	0.1	99.9
Total	2	100	13,619	100	13,621	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

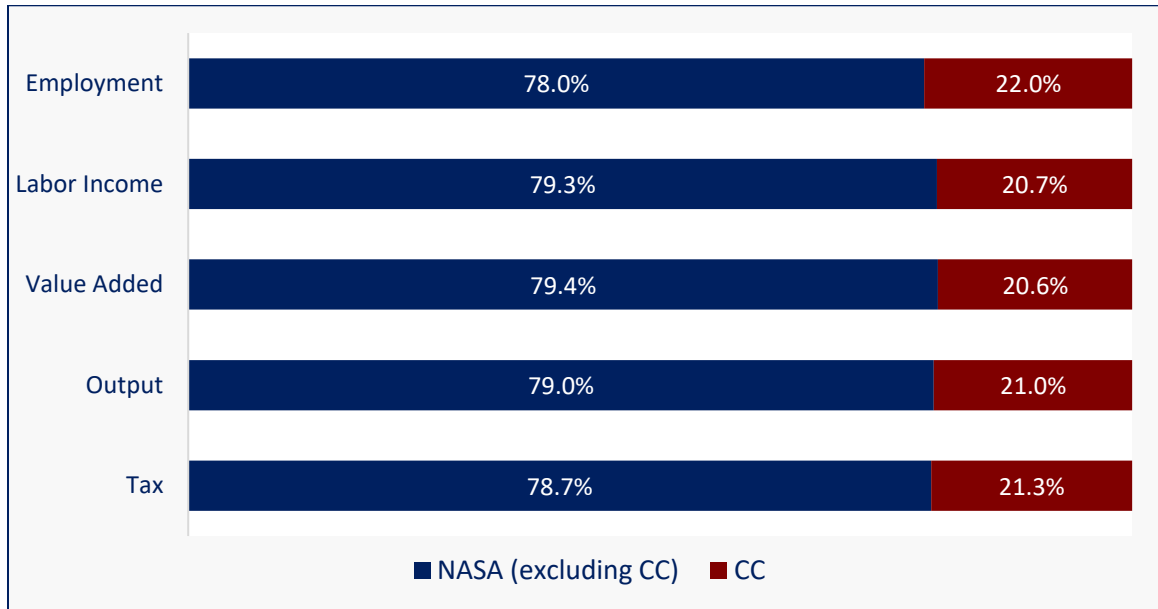
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 21% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 130 and Figure 53). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 130: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Hawaii

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	354	23,756	33,604	64,800	2,671
CC Portion	78	4,917	6,911	13,621	569
CC Share (%)	22.0%	20.7%	20.6%	21.0%	21.3%

Figure 53: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Hawaii



Economic Impacts on the State of Idaho

NASA Impacts

In 2021, five NASA civil service employees (2 FTEs) residing in Idaho earned \$265,000 in labor income. NASA contracts sourced in Idaho in the same year totaled \$6.1 million. The total economic impact resulting from these activities is 111 jobs, \$5.6 million in labor income, and \$17.4 million in economic output (Table 131).³¹

Table 131: Summary of NASA Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	265	448	1,025	6
Indirect	75	3,808	4,888	11,090	-780
Induced	34	1,527	2,690	5,296	278
Total	111	5,600	8,026	17,411	-496
<i>Multiplier</i>	<i>55.5</i>	<i>21.1</i>	<i>17.9</i>	<i>17.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Idaho economy. Table 132 examines the sources of the employment figures in the second column of Table 131. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 96% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 4%.

Table 132: NASA Employment Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	50.0	0	0.0	2	1.8	100.0	0.0
Indirect	0	0.0	75	70.1	75	67.6	0.0	100.0
Induced	2	50.0	32	29.9	34	30.6	5.9	94.1
Total	4	100	107	100	111	100	3.6	96.4

³¹ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 133 examines the sources of the output figures in the fifth column of Table 131. Procurement spending is responsible for 92% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is around 8%.

Table 133: NASA Output Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,025	73.0	0	0.0	1,025	5.9	100.0	0.0
Indirect	0	0.0	11,090	69.3	11,090	63.7	0.0	100.0
Induced	379	27.0	4,917	30.7	5,296	30.4	7.2	92.8
Total	1,404	100	16,007	100	17,411	100	8.1	91.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Idaho had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of less than 1,000. M2M campaign contracts sourced in the state in the same year totaled \$351,000. The total Idaho employment impact is 5 jobs. The labor income and economic output associated with this employment are \$303,000 and \$826,000, respectively. The M2M campaign generates \$27,000 in tax revenues for the state and local governments in Idaho (Table 134).

Table 134: Summary of M2M Campaign Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	1	<1
Indirect	3	214	314	523	11
Induced	2	89	158	302	16
Total	5	303	472	826	27
<i>Multiplier</i>	<i>3523.6</i>	<i>1212.9</i>	<i>1709.2</i>	<i>1308.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Idaho economy. Nearly all employment and output impacts are due to NASA procurement sourced within the state.

Table 135: M2M Campaign Employment Impacts by Sources of Impact, Idaho

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	35.8	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	3	60.0	3	59.9	0.0	100.0
Induced	<1	64.2	2	40.0	2	40.0	0.1	99.9
Total	<1	100	5	100	5	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 136: M2M Campaign Output Impacts by Sources of Impact, Idaho

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1	63.0	0	0.0	1	0.1	100.0	0.0
Indirect	0	0.0	523	63.4	523	63.3	0.0	100.0
Induced	<1	37.0	302	36.6	302	36.6	0.1	99.9
Total	1	100	825	100	826	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

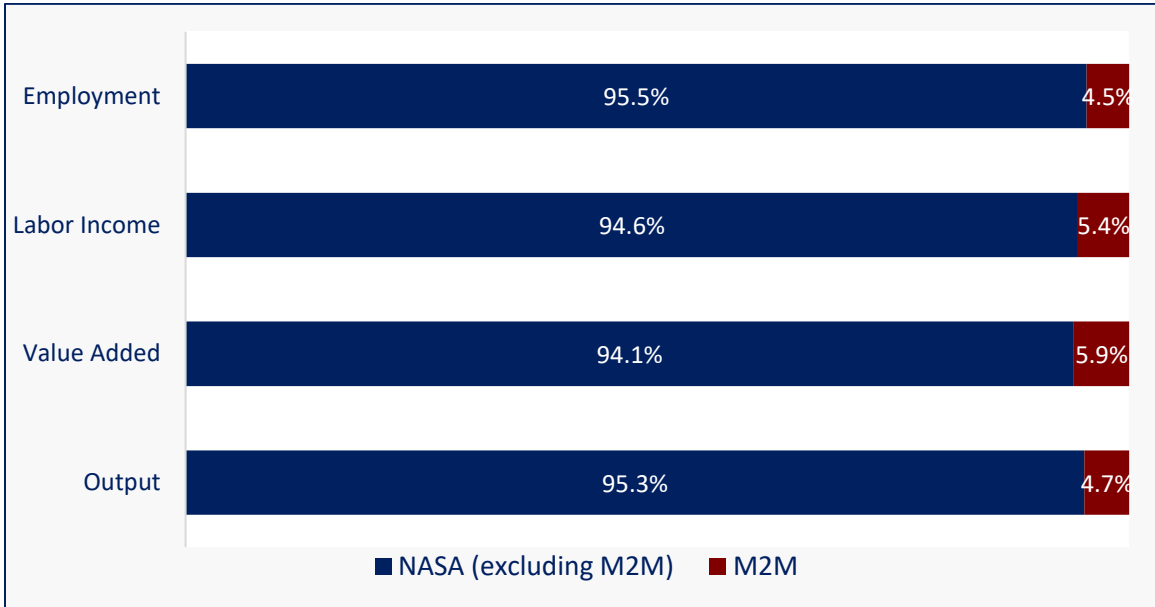
The M2M Campaign’s Share of NASA Impacts

Around 5% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 137 and Figure 54). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 137: The M2M Campaign Portion of Overall NASA Impacts, Idaho

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	111	5,600	8,026	17,411	n.a.
M2M Portion	5	303	472	826	n.a.
M2M Share (%)	4.5%	5.4%	5.9%	4.7%	n.a.

Figure 54: The M2M Campaign Portion of Overall NASA Impacts, Idaho



Investments in Climate Change Research and Technology Impacts

In 2021, Idaho had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$11,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.7 million. The total Idaho employment impact is 27 jobs. The labor income and economic output associated with this employment are \$1.4 million and \$4.3 million, respectively. The investments in climate change research and technology generate \$132,000 in tax revenues for the state and local governments in Idaho (Table 138).

Table 138: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	11	51	116	<1
Indirect	18	1,007	1,376	2,883	61
Induced	9	379	664	1,340	71
Total	27	1,397	2,091	4,339	132
<i>Multiplier</i>	<i>100.7</i>	<i>114.6</i>	<i>37.2</i>	<i>33.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Idaho economy. Nearly 99 percent of employment impacts and 97 percent of output impacts are due to NASA procurement sourced within the state.

Table 139: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Idaho

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	70.0	0	0.0	<1	0.9	100.0	0.0
Indirect	0	0.0	18	66.7	18	66.1	0.0	100.0
Induced	<1	30.0	9	33.3	9	33.0	1.2	98.8
Total	<1	100	27	100	27	100	1.2	98.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 140: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Idaho

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	116	87.9	0	0.0	116	2.7	100.0	0.0
Indirect	0	0.0	2,883	68.5	2,883	66.4	0.0	100.0
Induced	16	12.1	1,324	31.5	1,340	30.9	1.2	98.8
Total	132	100	4,207	100	4,339	100	3.0	97.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

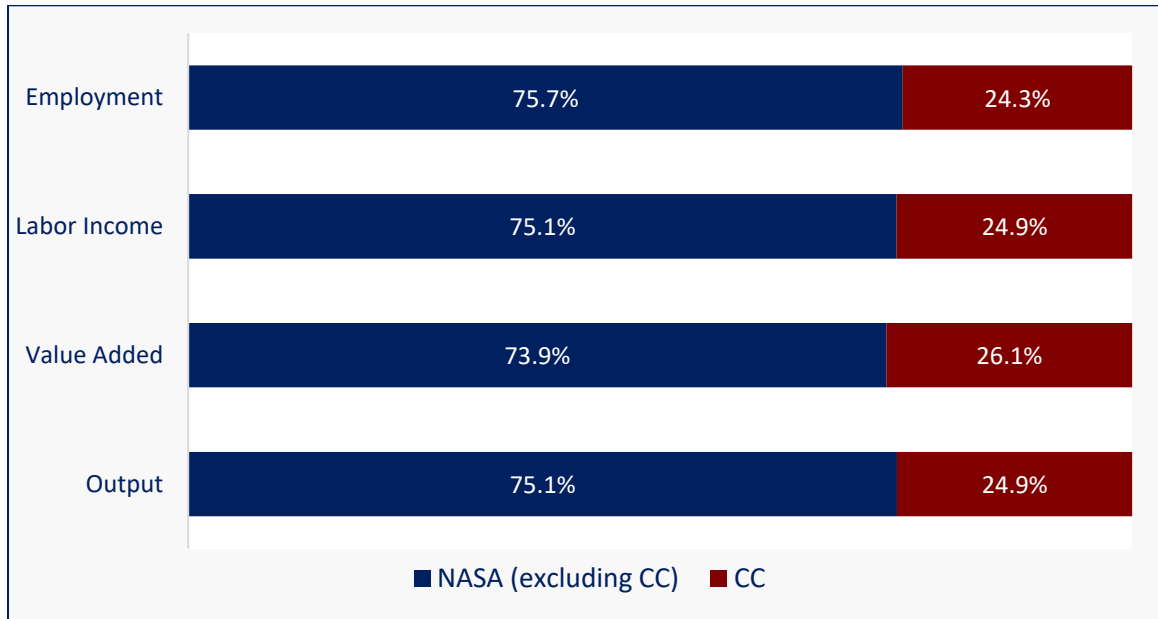
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 25% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 141 and Figure 55). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 141: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Idaho

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	111	5,600	8,026	17,411	n.a.
CC Portion	27	1,397	2,091	4,339	n.a.
CC Share (%)	24.3%	24.9%	26.1%	24.9%	n.a.

Figure 55: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Idaho



Economic Impacts on the State of Illinois

NASA Impacts

In 2021, 42 NASA civil service employees (20 FTEs) residing in Illinois earned \$2.3 million in labor income. NASA contracts sourced in Illinois in the same year totaled \$38.8 million. The total economic impact resulting from these activities is 621 jobs, \$48.3 million in labor income, and \$133.6 million in economic output. These economic activities generate \$2.9 million in tax revenues for the state and local governments in Illinois (Table 142).

Table 142: Summary of NASA Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	2,265	4,183	9,569	59
Indirect	318	28,487	40,149	71,123	-457
Induced	283	17,555	30,531	52,875	3,335
Total	621	48,307	74,863	133,567	2,937
<i>Multiplier</i>	<i>31.1</i>	<i>21.3</i>	<i>17.9</i>	<i>14.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Illinois economy. Table 143 examines the sources of the employment figures in the second column of Table 142. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 93% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 7%.

Table 143: NASA Employment Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	20	45.5	0	0.0	20	3.2	100.0	0.0
Indirect	0	0.0	318	55.1	318	51.2	0.0	100.0
Induced	24	54.5	259	44.9	283	45.6	8.5	91.5
Total	44	100	577	100	621	100	7.1	92.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 144 examines the sources of the output figures in the fifth column of Table 142. Procurement spending is responsible for nearly 90% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 10%.

Table 144: NASA Output Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	9,569	68.2	0	0.0	9,569	7.2	100.0	0.0
Indirect	0	0.0	71,123	59.5	71,123	53.2	0.0	100.0
Induced	4,452	31.8	48,423	40.5	52,875	39.6	8.4	91.6
Total	14,021	100	119,546	100	133,567	100	10.5	89.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Illinois had seven M2M-related civil service employees (3 FTEs) with a corresponding labor income of \$452,000. M2M campaign contracts sourced in the state in the same year totaled \$2.1 million. The total Illinois employment impact is 38 jobs. The labor income and economic output associated with this employment are \$3.3 million and \$9.3 million, respectively. The M2M campaign generates \$359,000 in tax revenues for the state and local governments in Illinois (Table 145).

Table 145: Summary of M2M Campaign Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	452	694	1,587	12
Indirect	16	1,594	2,305	4,112	121
Induced	19	1,218	2,116	3,581	226
Total	38	3,264	5,115	9,280	359
<i>Multiplier</i>	<i>12.7</i>	<i>7.2</i>	<i>7.4</i>	<i>5.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Illinois economy. Approximately 79 percent of the employment impacts and 73 percent of the output impacts are due to NASA procurement sourced within the state.

Table 146: M2M Campaign Employment Impacts by Sources of Impact, Illinois

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	3	37.5	0	0.0	3	7.9	100.0	0.0
Indirect	0	0.0	16	53.3	16	42.1	0.0	100.0
Induced	5	62.5	14	46.7	19	50.0	26.3	73.7
Total	8	100	30	100	38	100	21.1	78.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 147: M2M Campaign Output Impacts by Sources of Impact, Illinois

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,587	62.8	0	0.0	1,587	17.1	100.0	0.0
Indirect	0	0.0	4,112	60.9	4,112	44.3	0.0	100.0
Induced	941	37.2	2,640	39.1	3,581	38.6	26.3	73.7
Total	2,528	100	6,752	100	9,280	100	27.2	72.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

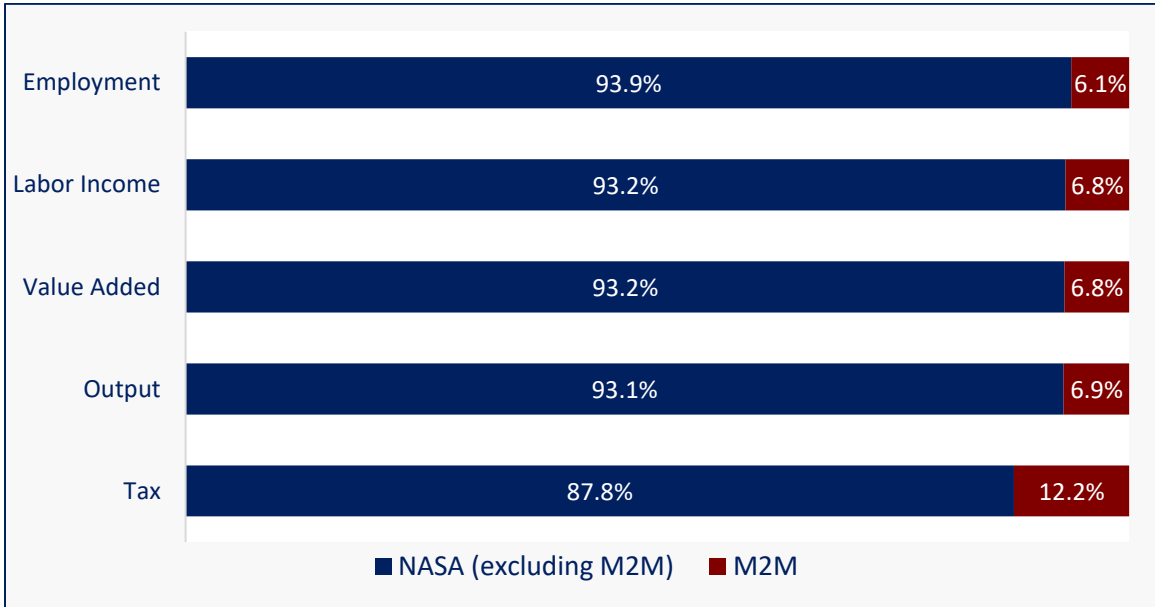
The M2M Campaign's Share of NASA Impacts

Around 8% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 148 and Figure 56). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 148: The M2M Campaign Portion of Overall NASA Impacts, Illinois

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	621	48,307	74,863	133,567	2,937
M2M Portion	38	3,264	5,115	9,280	359
M2M Share (%)	6.1%	6.8%	6.8%	6.9%	12.2%

Figure 56: The M2M Campaign Portion of Overall NASA Impacts, Illinois



Investments in Climate Change Research and Technology Impacts

In 2021, Illinois had four climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$107,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$11.8 million. The total Illinois employment impact is 177 jobs. The labor income and economic output associated with this employment are \$13.1 million and \$35.9 million, respectively. The investments in climate change research and technology generate \$1.2 million in tax revenues for the state and local governments in Illinois (Table 149).

Table 149: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	107	146	334	3
Indirect	97	8,295	12,085	21,164	321
Induced	79	4,668	8,114	14,407	909
Total	177	13,070	20,345	35,905	1,233
<i>Multiplier</i>	<i>177.0</i>	<i>122.1</i>	<i>139.3</i>	<i>107.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Illinois economy. Ninety-nine (99) percent of the employment and output impacts are due to NASA procurement sourced within the state.

Table 150: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Illinois

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.6	100.0	0.0
Indirect	0	0.0	97	55.4	97	54.8	0.0	100.0
Induced	1	50.0	78	44.6	79	44.6	1.3	98.7
Total	2	100	175	100	177	100	1.1	98.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 151: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Illinois

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	334	61.9	0	0.0	334	0.9	100.0	0.0
Indirect	0	0.0	21,164	59.8	21,164	58.9	0.0	100.0
Induced	206	38.1	14,201	40.2	14,407	40.1	1.4	98.6
Total	540	100	35,365	100	35,905	100	1.5	98.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

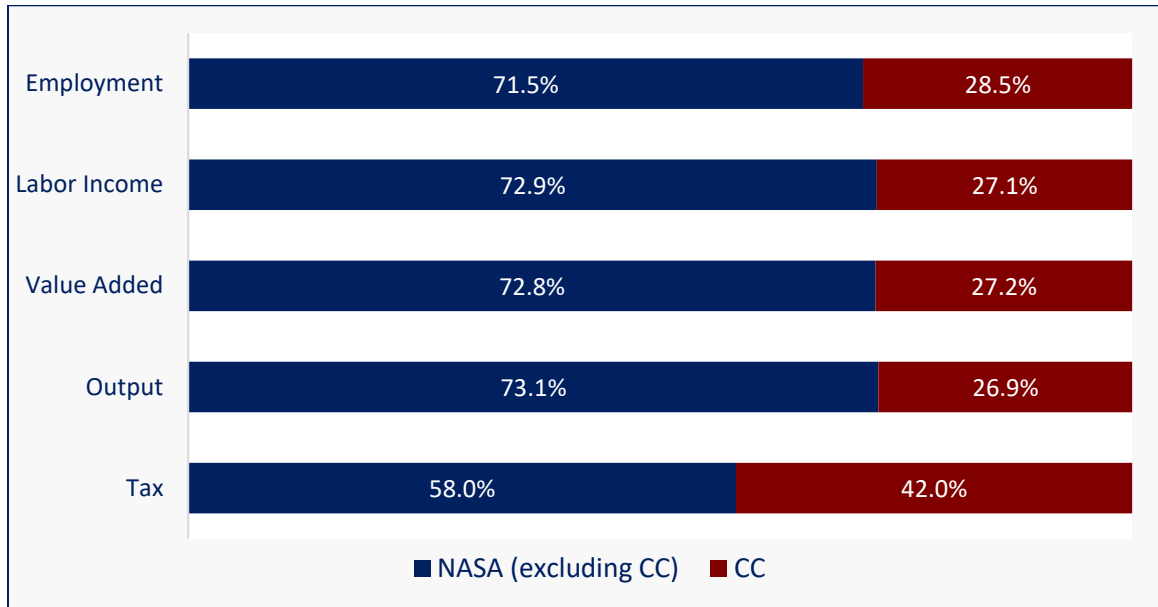
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 30% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 152 and Figure 57). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 152: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Illinois

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	621	48,307	74,863	133,567	2,937
CC Portion	177	13,070	20,345	35,905	1,233
CC Share (%)	28.5%	27.1%	27.2%	26.9%	42.0%

Figure 57: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Illinois



Economic Impacts on the State of Indiana

NASA Impacts

In 2021, 31 NASA civil service employees (17 FTEs) residing in Indiana earned more than \$1.9 million in labor income. NASA contracts sourced in Indiana in the same year totaled \$82.2 million. The total economic impact resulting from these activities is 1,131 jobs, \$71.9 million in labor income, and \$216.4 million in economic output. These economic activities generate \$3.3 million in tax revenues for the state and local governments in Indiana (Table 153).

Table 153: Summary of NASA Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	1,959	3,534	8,085	92
Indirect	679	47,477	76,490	136,198	-578
Induced	435	22,531	38,525	72,100	3,796
Total	1,131	71,967	118,549	216,383	3,310
<i>Multiplier</i>	<i>66.5</i>	<i>36.7</i>	<i>33.5</i>	<i>26.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Indiana economy. Table 154 examines the sources of the employment figures in the second column of Table 153. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 97% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 3%.

Table 154: NASA Employment Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	17	45.9	0	0.0	17	1.5	100.0	0.0
Indirect	0	0.0	679	62.1	679	60.0	0.0	100.0
Induced	20	54.1	415	37.9	435	38.5	4.6	95.4
Total	37	100	1,094	100	1,131	100	3.3	96.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 155 examines the sources of the output figures in the fifth column of Table 153. Procurement spending is responsible for approximately 95% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 5%.

Table 155: NASA Output Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	8,085	71.3	0	0.0	8,085	3.7	100.0	0.0
Indirect	0	0.0	136,198	66.4	136,198	62.9	0.0	100.0
Induced	3,255	28.7	68,845	33.6	72,100	33.3	4.5	95.5
Total	11,340	100	205,043	100	216,383	100	5.2	94.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Indiana had nine M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$237,000. M2M campaign contracts sourced in the state in the same year totaled approximately \$1 million. The total Indiana employment impact is 15 jobs. The labor income and economic output associated with this employment are \$1.1 million and \$3.6 million, respectively. The M2M campaign generates \$111,000 in tax revenues for the state and local governments in Indiana (Table 156).

Table 156: Summary of M2M Campaign Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	237	387	886	11
Indirect	7	503	939	1,564	38
Induced	6	371	638	1,169	62
Total	15	1,111	1,964	3,619	111
<i>Multiplier</i>	<i>7.5</i>	<i>4.7</i>	<i>5.1</i>	<i>4.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the estimated ratios of value-added-to-employee-compensation in guided missile and space vehicle manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratio of output-to-employee-compensation in the same industry.

The following two tables examine the contribution of different NASA activities to the Indiana economy. Seventy-three (73) percent of the employment impacts and sixty-four

(64) percent of the output impacts are due to NASA procurement sourced within the state.

Table 157: M2M Campaign Employment Impacts by Sources of Impact, Indiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	50.0	0	0.0	2	13.3	100.0	0.0
Indirect	0	0.0	7	63.6	7	46.7	0.0	100.0
Induced	2	50.0	4	36.4	6	40.0	33.3	66.7
Total	4	100	11	100	15	100	26.7	73.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 158: M2M Campaign Output Impacts by Sources of Impact, Indiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	886	68.0	0	0.0	886	24.5	100.0	0.0
Indirect	0	0.0	1,564	67.5	1,564	43.2	0.0	100.0
Induced	416	32.0	753	32.5	1,169	32.3	35.6	64.4
Total	1,302	100	2,317	100	3,619	100	36.0	64.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

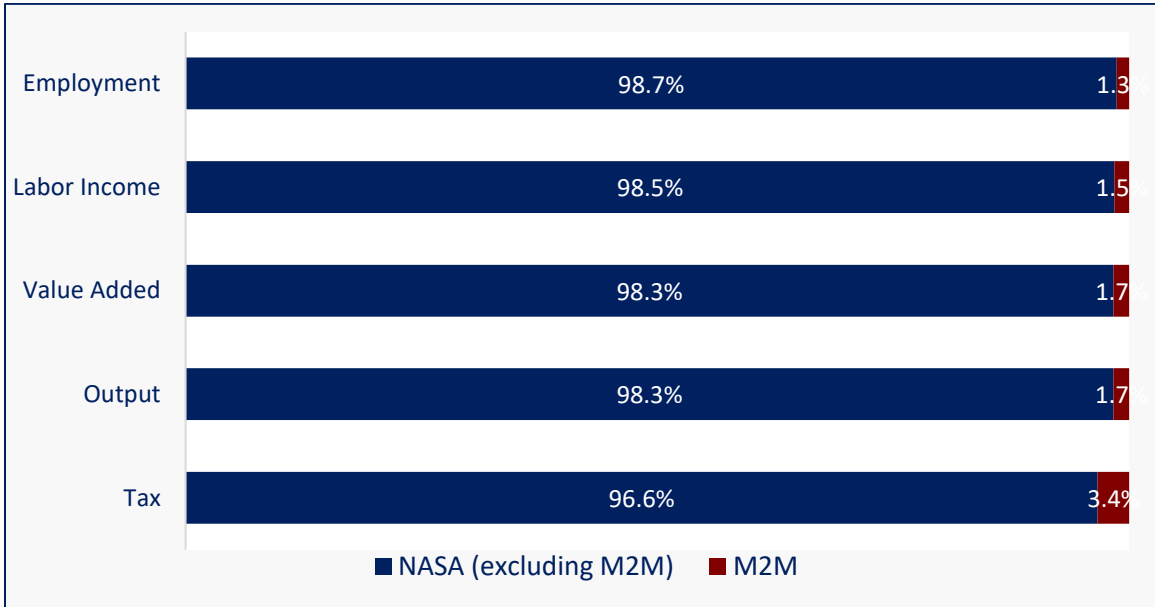
The M2M Campaign’s Share of NASA Impacts

Around 2% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 159 and Figure 58). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 159: The M2M Campaign Portion of Overall NASA Impacts, Indiana

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,131	71,967	118,549	216,383	3,310
M2M Portion	15	1,111	1,964	3,619	111
M2M Share (%)	1.3%	1.5%	1.7%	1.7%	3.4%

Figure 58: The M2M Campaign Portion of Overall NASA Impacts, Indiana



Investments in Climate Change Research and Technology Impacts

In 2021, Indiana had eight climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$145,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled approximately \$6.7 million. The total Indiana employment impact is 89 jobs. The labor income and economic output associated with this employment are \$5.1 million and \$16.6 million, respectively. The investments in climate change research and technology generate \$556,000 in tax revenues for the state and local governments in Indiana (Table 160).

Table 160: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	145	330	756	7
Indirect	55	3,352	6,143	10,596	271
Induced	32	1,608	2,745	5,270	278
Total	89	5,105	9,218	16,622	556
<i>Multiplier</i>	<i>44.5</i>	<i>35.2</i>	<i>27.9</i>	<i>22.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the estimated ratios of value-added-to-employee-compensation in guided missile and space vehicle manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratio of output-to-employee-compensation in the same industry.

The following two tables examine the contribution of different NASA activities to the Indiana economy. Ninety-seven (97) percent of the employment impacts and ninety-four (94) percent of the output impacts are due to NASA procurement sourced within the state.

Table 161: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Indiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	66.7	0	0.0	2	2.2	100.0	0.0
Indirect	0	0.0	55	64.0	55	61.8	0.0	100.0
Induced	1	33.3	31	36.0	32	36.0	3.1	96.9
Total	3	100	86	100	89	100	3.4	96.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 162: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Indiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	756	76.1	0	0.0	756	4.5	100.0	0.0
Indirect	0	0.0	10,596	67.8	10,596	63.7	0.0	100.0
Induced	237	23.9	5,033	32.2	5,270	31.7	4.5	95.5
Total	993	100	15,629	100	16,622	100	6.0	94.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

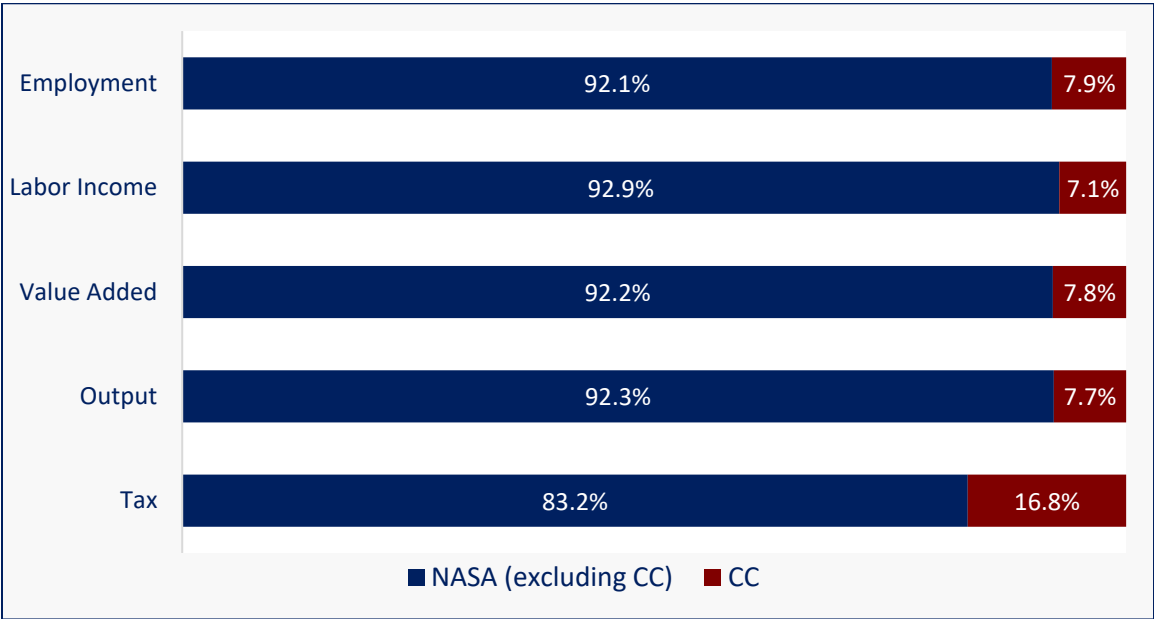
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 163 and Figure 59). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 163: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Indiana

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,131	71,967	118,549	216,383	3,310
CC Portion	89	5,105	9,218	16,622	556
CC Share (%)	7.9%	7.1%	7.8%	7.7%	16.8%

Figure 59: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Indiana



Economic Impacts on the State of Iowa

NASA Impacts

In 2021, four NASA civil service employees (3 FTEs) residing in Iowa earned \$338,000 in labor income. NASA contracts sourced in Iowa in the same year totaled \$25.6 million. The total economic impact resulting from these activities is 333 jobs, \$19.3 million in labor income, and \$60.7 million in economic output. These economic activities generate \$2.1 million in tax revenues for the state and local governments in Iowa (Table 164).

Table 164: Summary of NASA Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	338	588	1,346	10
Indirect	219	13,837	20,238	41,493	1,028
Induced	111	5,151	9,395	17,873	1,023
Total	333	19,326	30,221	60,712	2,061
<i>Multiplier</i>	<i>111.0</i>	<i>57.2</i>	<i>51.4</i>	<i>45.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Iowa economy. Table 165 examines the sources of the employment figures in the second column of Table 164. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 98% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 2%.

Table 165: NASA Employment Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	3	50.0	0	0.0	3	0.9	100.0	0.0
Indirect	0	0.0	219	67.0	219	65.8	0.0	100.0
Induced	3	50.0	108	33.0	111	33.3	2.7	97.3
Total	6	100	327	100	333	100	1.8	98.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 166 examines the sources of the output figures in the fifth column of Table 164. Procurement spending is responsible for 97% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 3%.

Table 166: NASA Output Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,346	74.0	0	0.0	1,346	2.2	100.0	0.0
Indirect	0	0.0	41,493	70.5	41,493	68.3	0.0	100.0
Induced	474	26.0	17,399	29.5	17,873	29.4	2.7	97.3
Total	1,820	100	58,892	100	60,712	100	3.0	97.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Iowa in FY 2021, but \$209,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 3 jobs, \$170,000 in labor income, and \$512,000 worth of output. These economic activities generate \$21,000 in tax revenues for the state and local governments in Iowa (Table 167).

Table 167: Summary of M2M Campaign Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	2	126	177	360	12
Induced	1	44	81	152	9
Total	3	170	258	512	21
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

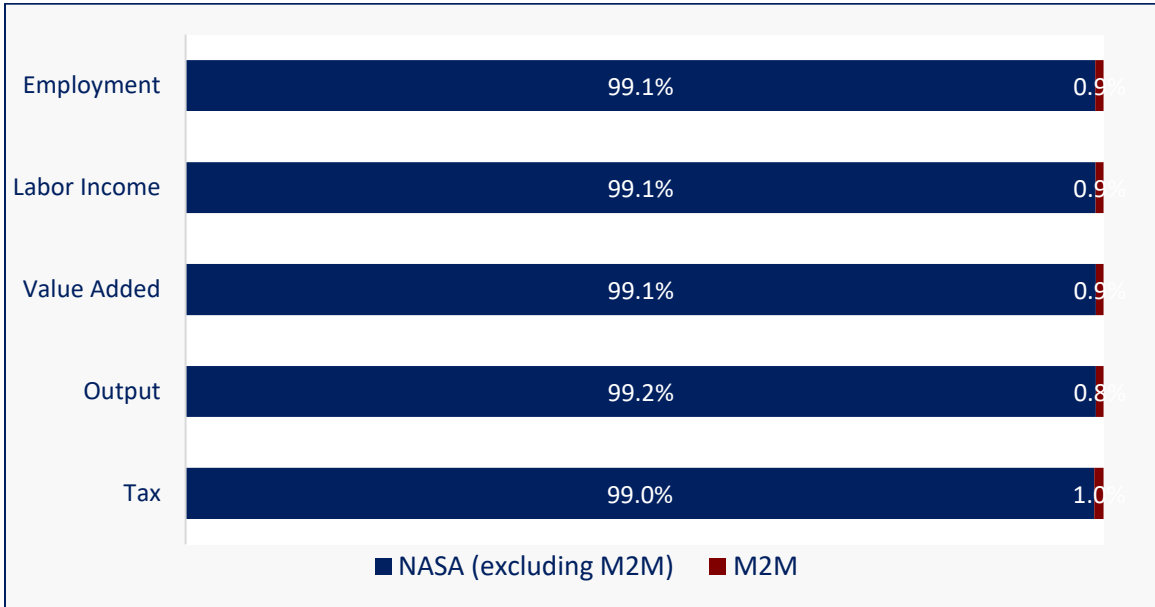
The M2M Campaign’s Share of NASA Impacts

Approximately 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 168 and Figure 60).

Table 168: The M2M Campaign Portion of Overall NASA Impacts, Iowa

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	333	19,326	30,221	60,712	2,061
M2M Portion	3	170	258	512	21
M2M Share (%)	0.9%	0.9%	0.9%	0.8%	1.0%

Figure 60: The M2M Campaign Portion of Overall NASA Impacts, Iowa



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Iowa in FY 2021, but \$2.3 million in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 35 jobs, \$1.7 million in labor income, and \$5.2 million worth of output. These economic activities generate \$189,000 in tax revenues for the state and local governments in Iowa (Table 169).

Table 169: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	25	1,236	1,834	3,586	99
Induced	10	448	811	1,576	90
Total	35	1,684	2,645	5,162	189
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

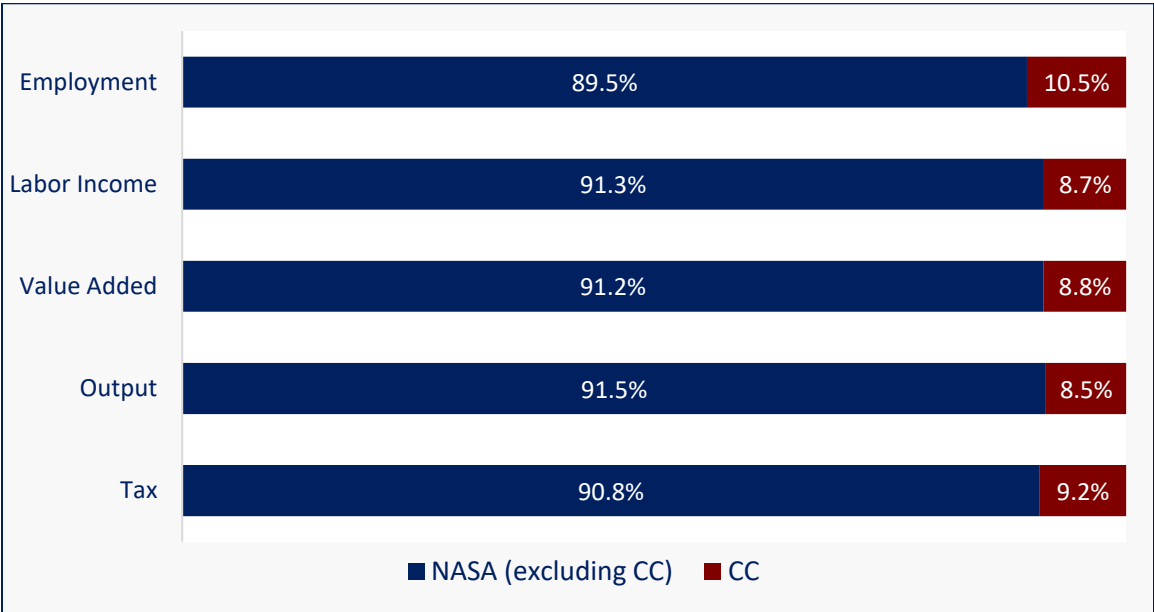
The Investments in Climate Change Research and Technology's Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 170 and Figure 61). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 170: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Iowa

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	333	19,326	30,221	60,712	2,061
CC Portion	35	1,684	2,645	5,162	189
CC Share (%)	10.5%	8.7%	8.8%	8.5%	9.2%

Figure 61: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Iowa



Economic Impacts on the State of Kansas

NASA Impacts

In 2021, nine NASA civil service employees (5 FTEs) residing in Kansas earned \$810,000 in labor income. NASA contracts sourced in Kansas in the same year totaled \$6.4 million. The total economic impact resulting from these activities is 117 jobs, \$7.3 million in labor income, and \$22.2 million in economic output (Table 171).³²

Table 171: Summary of NASA Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	810	1,125	2,574	22
Indirect	73	4,504	5,914	13,074	-1,058
Induced	39	1,969	3,442	6,595	394
Total	117	7,283	10,481	22,243	-642
<i>Multiplier</i>	<i>23.4</i>	<i>9.0</i>	<i>9.3</i>	<i>8.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kansas economy. Table 172 examines the sources of the employment figures in the second column of Table 171. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 90 percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 10%.

Table 172: NASA Employment Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	5	41.7	0	0.0	5	4.3	100.0	0.0
Indirect	0	0.0	73	69.5	73	62.4	0.0	100.0
Induced	7	58.3	32	30.5	39	33.3	17.9	82.1
Total	12	100	105	100	117	100	10.3	89.7

³² Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 173 examines the sources of the output figures in the fifth column of Table 171. Procurement spending is responsible for 83% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 17%.

Table 173: NASA Output Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	2,574	68.9	0	0.0	2,574	11.6	100.0	0.0
Indirect	0	0.0	13,074	70.6	13,074	58.8	0.0	100.0
Induced	1,162	31.1	5,433	29.4	6,595	29.6	17.6	82.4
Total	3,736	100	18,507	100	22,243	100	16.8	83.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Kansas had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of \$7,000. M2M campaign contracts sourced in the state in the same year totaled \$77,000. The total Kansas employment impact is two jobs. The labor income and economic output associated with this employment are \$88,000 and \$286,000, respectively. The M2M campaign generates \$11,000 in tax revenues for the state and local governments in Kansas (Table 174).

Table 174: Summary of M2M Campaign Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	7	31	71	<1
Indirect	1	57	77	137	6
Induced	<1	24	41	78	5
Total	2	88	149	286	11
<i>Multiplier</i>	<i>10.9</i>	<i>12.6</i>	<i>4.8</i>	<i>4.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kansas economy. Around 87 percent of the employment impacts and 72 percent of the output impacts are due to NASA procurement sourced within the state.

Table 175: M2M Campaign Employment Impacts by Sources of Impact, Kansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	71.6	0	0.0	<1	9.2	100.0	0.0
Indirect	0	0.0	1	71.3	1	62.1	0.0	100.0
Induced	<1	28.4	<1	28.7	<1	28.7	12.7	87.3
Total	<1	100	1	100	2	100	12.8	87.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 176: M2M Campaign Output Impacts by Sources of Impact, Kansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	71	87.7	0	0.0	71	24.8	100.0	0.0
Indirect	0	0.0	137	66.8	137	47.9	0.0	100.0
Induced	10	12.3	68	33.2	78	27.3	12.8	87.2
Total	81	100	205	100	286	100	28.3	71.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

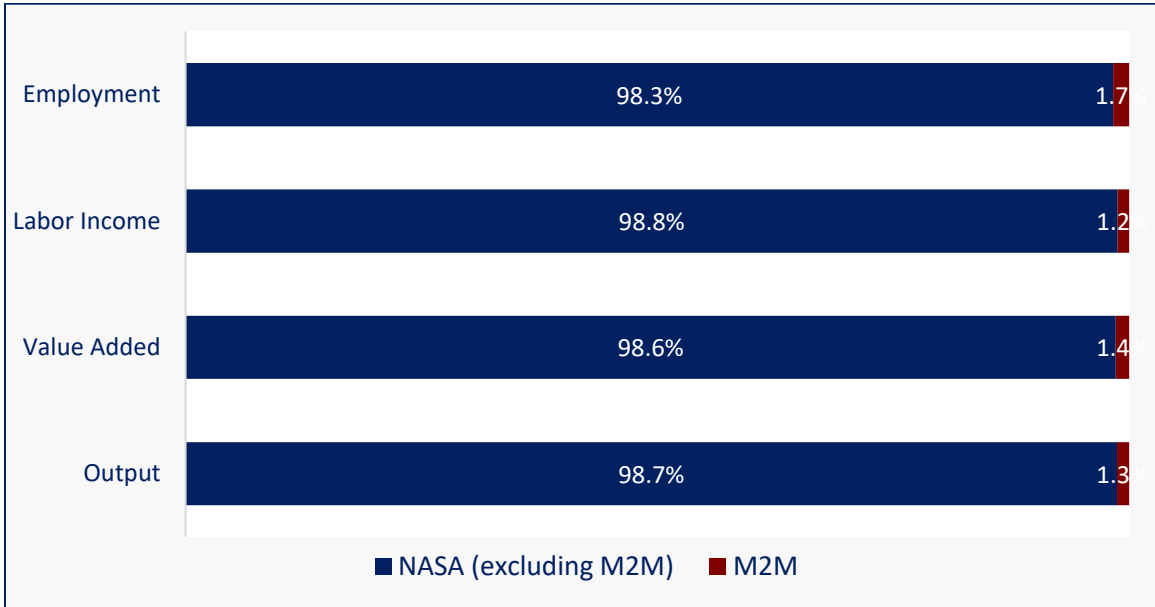
The M2M Campaign’s Share of NASA Impacts

Around 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 177 and Figure 62).

Table 177: The M2M Campaign Portion of Overall NASA Impacts, Kansas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	117	7,283	10,481	22,243	n.a.
M2M Portion	2	88	149	286	n.a.
M2M Share (%)	1.7%	1.2%	1.4%	1.3%	n.a.

Figure 62: The M2M Campaign Portion of Overall NASA Impacts, Kansas



Investments in Climate Change Research and Technology Impacts

In 2021, Kansas had three climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$184,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$3.6 million. The total Kansas employment impact is 69 jobs. The labor income and economic output associated with this employment are \$4.1 million and \$12.7 million, respectively (Table 178).³³

³³ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Table 178: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	184	240	550	5
Indirect	46	2,873	3,409	8,516	-1,178
Induced	22	1,059	1,825	3,592	215
Total	69	4,116	5,474	12,658	-958
<i>Multiplier</i>	<i>69.0</i>	<i>22.4</i>	<i>22.8</i>	<i>23.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kansas economy. Ninety-six (96) percent of the employment impacts and ninety-four (94) percent of the output impacts are due to NASA procurement sourced within the state.

Table 179: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Kansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	33.3	0	0.0	1	1.4	100.0	0.0
Indirect	0	0.0	46	69.7	46	66.7	0.0	100.0
Induced	2	66.7	20	30.3	22	31.9	9.1	90.9
Total	3	100	66	100	69	100	4.3	95.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 180: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Kansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	550	67.7	0	0.0	550	4.3	100.0	0.0
Indirect	0	0.0	8,516	71.9	8,516	67.3	0.0	100.0
Induced	262	32.3	3,330	28.1	3,592	28.4	7.3	92.7
Total	812	100	11,846	100	12,658	100	6.4	93.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

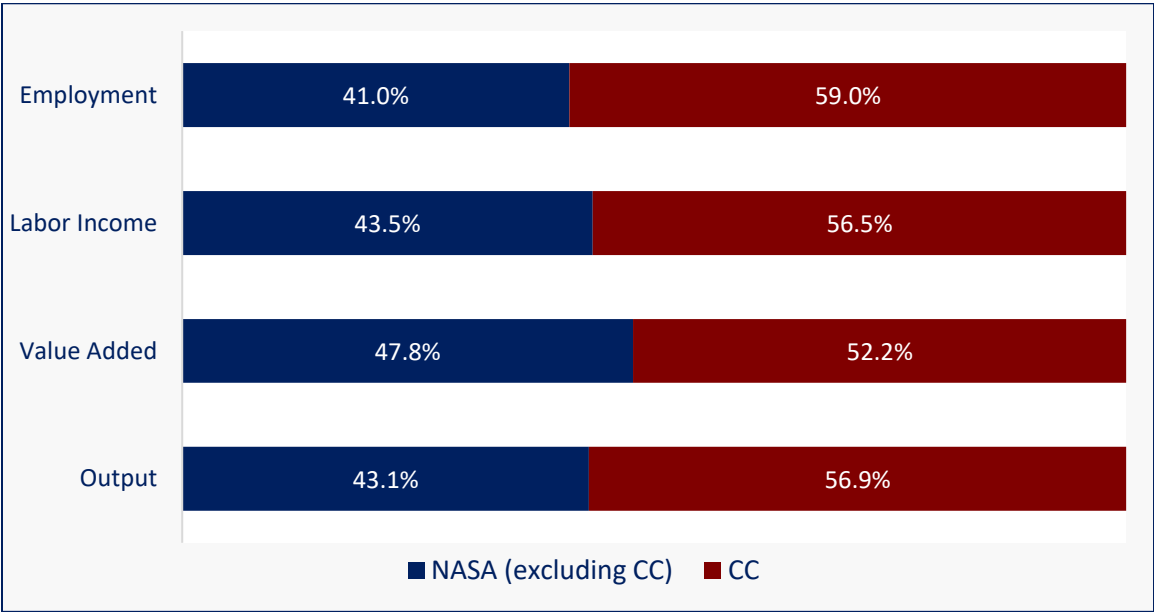
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 56% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 181 and Figure 63). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 181: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Kansas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	117	7,283	10,481	22,243	n.a.
CC Portion	69	4,116	5,474	12,658	n.a.
CC Share (%)	59.0%	56.5%	52.2%	56.9%	n.a.

Figure 63: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Kansas



Economic Impacts on the State of Kentucky

NASA Impacts

In 2021, 18 NASA civil service employees (12 FTEs) residing in Kentucky earned more than \$1.4 million in labor income. NASA contracts sourced in Kentucky in the same year totaled \$10.4 million. The total economic impact resulting from these activities is 168 jobs, \$10.3 million in labor income, and \$32.7 million in economic output. These economic activities generate \$970,000 in tax revenues for the state and local governments in Kentucky (Table 182).

Table 182: Summary of NASA Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	1,415	2,456	5,619	40
Indirect	95	5,908	8,291	17,471	397
Induced	61	2,955	5,063	9,643	533
Total	168	10,278	15,810	32,733	970
<i>Multiplier</i>	<i>14.0</i>	<i>7.3</i>	<i>6.4</i>	<i>5.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kentucky economy. Table 183 examines the sources of the employment figures in the second column of Table 182. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Eighty-five (85) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 15%.

Table 183: NASA Employment Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	12	48.0	0	0.0	12	7.1	100.0	0.0
Indirect	0	0.0	95	66.4	95	56.5	0.0	100.0
Induced	13	52.0	48	33.6	61	36.3	21.3	78.7
Total	25	100	143	100	168	100	14.9	85.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 184 examines the sources of the output figures in the fifth column of Table 182. Procurement spending is responsible for 76% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 24%.

Table 184: NASA Output Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	5,619	73.1	0	0.0	5,619	17.2	100.0	0.0
Indirect	0	0.0	17,471	69.8	17,471	53.4	0.0	100.0
Induced	2,068	26.9	7,575	30.2	9,643	29.5	21.4	78.6
Total	7,687	100	25,046	100	32,733	100	23.5	76.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Kentucky had four M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$263,000. M2M campaign contracts sourced in the state in the same year totaled \$1.6 million. The total Kentucky employment impact is 26 jobs. The labor income and economic output associated with this employment are \$1.7 million and \$5.4 million, respectively. The M2M campaign generates \$157,000 in tax revenues for the state and local governments in Kentucky (Table 185).

Table 185: Summary of M2M Campaign Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	263	468	1,071	7
Indirect	14	949	1,311	2,713	59
Induced	10	512	882	1,640	91
Total	26	1,724	2,661	5,424	157
<i>Multiplier</i>	<i>13.0</i>	<i>6.6</i>	<i>5.7</i>	<i>5.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kentucky economy. Approximately 81 percent of the employment impacts and 73 percent of the output impacts are due to NASA procurement sourced within the state.

Table 186: M2M Campaign Employment Impacts by Sources of Impact, Kentucky

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	2	40.0	0	0.0	2	7.7	100.0
Indirect	0	0.0	14	66.7	14	53.8	0.0	100.0
Induced	3	60.0	7	33.3	10	38.5	30.0	70.0
Total	5	100	21	100	26	100	19.2	80.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 187: M2M Campaign Output Impacts by Sources of Impact, Kentucky

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1,071	72.8	0	0.0	1,071	19.7	100.0
Indirect	0	0.0	2,713	68.6	2,713	50.0	0.0	100.0
Induced	400	27.2	1,240	31.4	1,640	30.2	24.4	75.6
Total	1,471	100	3,953	100	5,424	100	27.1	72.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

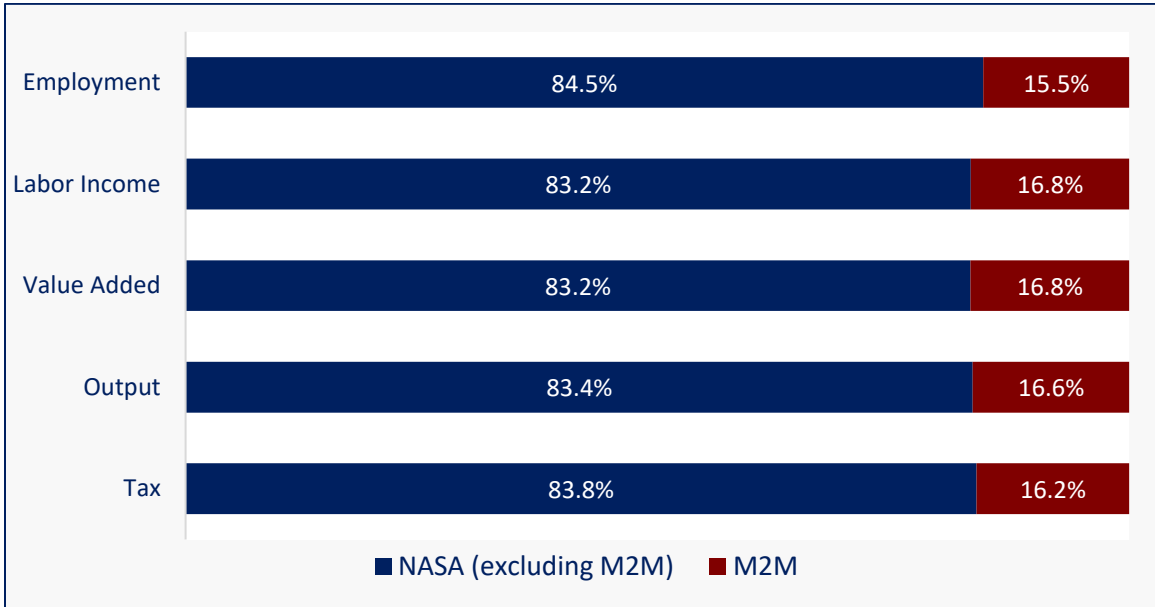
The M2M Campaign’s Share of NASA Impacts

Around 16% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 188 and Figure 64). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 188: The M2M Campaign Portion of Overall NASA Impacts, Kentucky

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	168	10,278	15,810	32,733	970
M2M Portion	26	1,724	2,661	5,424	157
M2M Share (%)	15.5%	16.8%	16.8%	16.6%	16.2%

Figure 64: The M2M Campaign Portion of Overall NASA Impacts, Kentucky



Investments in Climate Change Research and Technology Impacts

In 2021, Kentucky had three climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$258,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.4 million. The total Kentucky employment impact is 28 jobs. The labor income and economic output associated with this employment are \$1.5 million and \$4.7 million, respectively. The investments in climate change research and technology generate \$149,000 in tax revenues for the state and local governments in Kentucky (Table 189).

Table 189: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	258	361	826	7
Indirect	17	816	1,150	2,432	63
Induced	9	423	725	1,420	79
Total	28	1,497	2,236	4,678	149
<i>Multiplier</i>	<i>14.0</i>	<i>5.8</i>	<i>6.2</i>	<i>5.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Kentucky economy. Approximately 86 percent of the employment impacts and 74 percent of the output impacts are due to NASA procurement sourced within the state.

Table 190: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Kentucky

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	50.0	0	0.0	2	7.1	100.0	0.0
Indirect	0	0.0	17	70.8	17	60.7	0.0	100.0
Induced	2	50.0	7	29.2	9	32.1	22.2	77.8
Total	4	100	24	100	28	100	14.3	85.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 191: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Kentucky

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	826	68.7	0	0.0	826	17.7	100.0	0.0
Indirect	0	0.0	2,432	70.0	2,432	52.0	0.0	100.0
Induced	377	31.3	1,043	30.0	1,420	30.4	26.5	73.5
Total	1,203	100	3,475	100	4,678	100	25.7	74.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

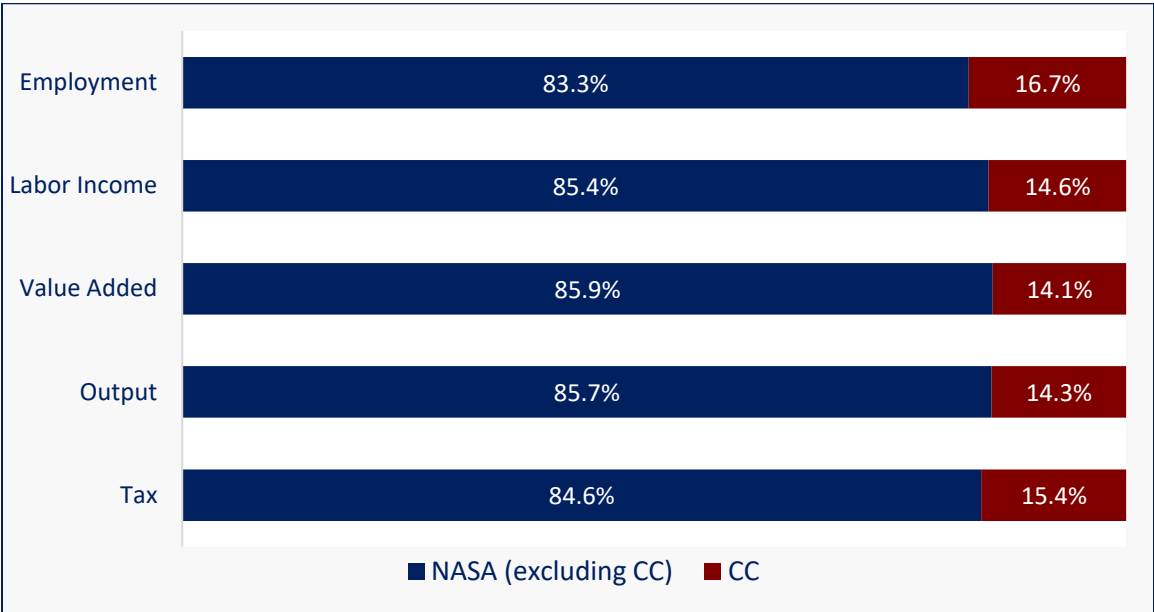
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 15% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 192 and Figure 65). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 192: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Kentucky

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	168	10,278	15,810	32,733	970
CC Portion	28	1,497	2,236	4,678	149
CC Share (%)	16.7%	14.6%	14.1%	14.3%	15.4%

Figure 65: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Kentucky



Economic Impacts on the State of Louisiana

NASA Impacts

In 2021, 204 NASA civil service employees (189 FTEs) residing in Louisiana earned nearly \$32.2 million in labor income. NASA contracts sourced in Louisiana in the same year totaled more than \$147.7 million. The total economic impact resulting from these activities is 2,601 jobs, \$150.1 million in labor income, and \$493.6 million in economic output. These economic activities generate nearly \$16.2 million in tax revenues for the state and local governments in Louisiana (Table 193).

Table 193: Summary of NASA Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	189	32,155	40,352	92,314	764
Indirect	1,520	77,698	119,639	264,653	6,679
Induced	892	40,218	73,348	136,635	8,743
Total	2,601	150,071	233,339	493,602	16,186
<i>Multiplier</i>	<i>13.8</i>	<i>4.7</i>	<i>5.8</i>	<i>5.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Louisiana economy. Table 194 examines the sources of the employment figures in the second column of Table 193. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 81% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 19%.

Table 194: NASA Employment Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	189	38.6	0	0.0	189	7.3	100.0	0.0
Indirect	0	0.0	1,520	72.0	1,520	58.4	0.0	100.0
Induced	301	61.4	591	28.0	892	34.3	33.7	66.3
Total	490	100	2,111	100	2,601	100	18.8	81.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 195 examines the sources of the output figures in the fifth column of Table 193. Procurement spending is responsible for 72% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 28%.

Table 195: NASA Output Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	92,314	66.7	0	0.0	92,314	18.7	100.0	0.0
Indirect	0	0.0	264,653	74.5	264,653	53.6	0.0	100.0
Induced	46,097	33.3	90,538	25.5	136,635	27.7	33.7	66.3
Total	138,411	100	355,191	100	493,602	100	28.0	72.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Louisiana had 72 M2M-related civil service employees (46 FTEs) with a corresponding labor income of \$7.6 million. M2M campaign contracts sourced in the state in the same year totaled more than \$75.5 million. The total Louisiana employment impact is 1,234 jobs. The labor income and economic output associated with this employment are \$68.6 million and \$225.1 million, respectively. The M2M campaign generates \$7.8 million in tax revenues for the state and local governments in Louisiana (Table 196).

Table 196: Summary of M2M Campaign Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	46	7,650	9,891	22,629	182
Indirect	802	42,927	69,337	142,677	3,835
Induced	386	18,050	32,891	59,814	3,827
Total	1,234	68,627	112,119	225,120	7,844
<i>Multiplier</i>	26.8	9.0	11.3	9.9	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Louisiana economy. Ninety (90) percent of the employment impacts and eighty-five (85) percent of the output impacts are due to NASA procurement sourced within the state.

Table 197: M2M Campaign Employment Impacts by Sources of Impact, Louisiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	46	38.7	0	0.0	46	3.7	100.0
Indirect	0	0.0	802	71.9	802	65.0	0.0	100.0
Induced	73	61.3	313	28.1	386	31.3	18.9	81.1
Total	119	100	1,115	100	1,234	100	9.6	90.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 198: M2M Campaign Output Impacts by Sources of Impact, Louisiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	22,629	66.5	0	0.0	22,629	10.1	100.0
Indirect	0	0.0	142,677	74.7	142,677	63.4	0.0	100.0
Induced	11,386	33.5	48,428	25.3	59,814	26.6	19.0	81.0
Total	34,015	100	191,105	100	225,120	100	15.1	84.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

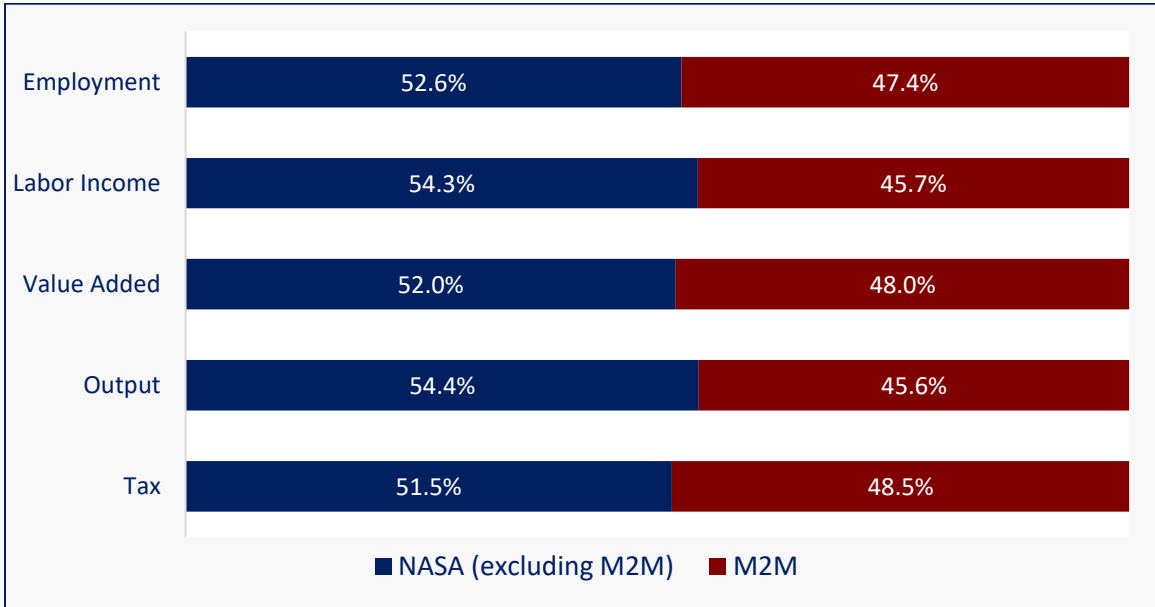
The M2M Campaign's Share of NASA Impacts

Around 47 percent of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 199 and Figure 66). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 199: The M2M Campaign Portion of Overall NASA Impacts, Louisiana

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	2,601	150,071	233,339	493,602	16,186
M2M Portion	1,234	68,627	112,119	225,120	7,844
M2M Share (%)	47.4%	45.7%	48.0%	45.6%	48.5%

Figure 66: The M2M Campaign Portion of Overall NASA Impacts, Louisiana



Investments in Climate Change Research and Technology Impacts

In 2021, Louisiana had five climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$91,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.7 million. The total Louisiana employment impact is 25 jobs. The labor income and economic output associated with this employment are \$1.4 million and \$4.6 million, respectively. The investments in climate change research and technology generate \$150,000 in tax revenues for the state and local governments in Louisiana (Table 200).

Table 200: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	91	150	343	2
Indirect	15	926	1,336	2,862	60
Induced	9	383	707	1,373	88
Total	25	1,400	2,193	4,578	150
<i>Multiplier</i>	<i>25.0</i>	<i>15.4</i>	<i>14.6</i>	<i>13.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Louisiana economy. Ninety-two (92) percent of the employment impacts and ninety (90) percent of the output impacts are due to NASA procurement sourced within the state.

Table 201: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Louisiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	4.0	100.0	0.0
Indirect	0	0.0	15	65.2	15	60.0	0.0	100.0
Induced	1	50.0	8	34.8	9	36.0	11.1	88.9
Total	2	100	23	100	25	100	8.0	92.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 202: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Louisiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	343	71.9	0	0.0	343	7.5	100.0	0.0
Indirect	0	0.0	2,862	69.8	2,862	62.5	0.0	100.0
Induced	134	28.1	1,239	30.2	1,373	30.0	9.8	90.2
Total	477	100	4,101	100	4,578	100	10.4	89.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

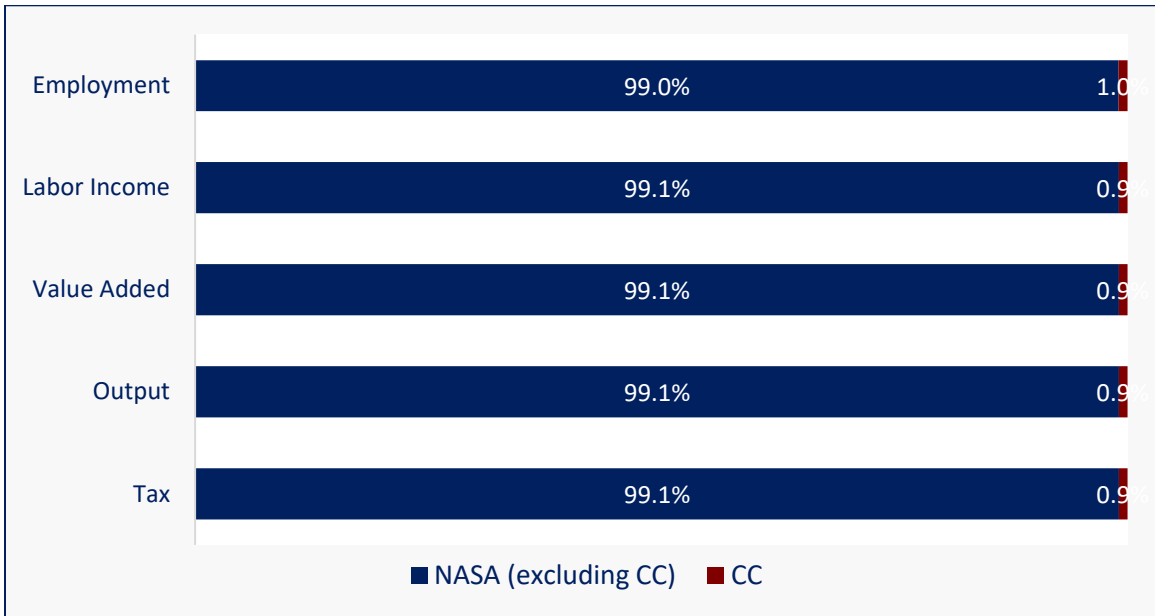
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 1 percent of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 203 and Figure 67).

Table 203: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Louisiana

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	2,601	150,071	233,339	493,602	16,186
CC Portion	25	1,400	2,193	4,578	150
CC Share (%)	1.0%	0.9%	0.9%	0.9%	0.9%

Figure 67: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Louisiana



Economic Impacts on the State of Maine

NASA Impacts

In 2021, three NASA civil service employees (1 FTE) residing in Maine earned \$84,000 in labor income. NASA contracts sourced in Maine in the same year totaled \$6.7 million. The total economic impact resulting from these activities is 110 jobs, \$6.3 million in labor income, and \$19.1 million in economic output. These economic activities generate \$751,000 in tax revenues for the state and local governments in Maine (Table 204).

Table 204: Summary of NASA Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	84	233	532	2
Indirect	69	4,245	5,872	12,537	366
Induced	40	1,947	3,332	6,031	383
Total	110	6,276	9,437	19,100	751
<i>Multiplier</i>	<i>110.0</i>	<i>74.7</i>	<i>40.5</i>	<i>35.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Maine economy. Table 205 examines the sources of the employment figures in the second column of Table 204. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 98% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 2%.

Table 205: NASA Employment Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1	50.0	0	0.0	1	0.9	100.0	0.0
Indirect	0	0.0	69	63.9	69	62.7	0.0	100.0
Induced	1	50.0	39	36.1	40	36.4	2.5	97.5
Total	2	100	108	100	110	100	1.8	98.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 206 examines the sources of the output figures in the fifth column of Table 204. Procurement spending is responsible for more than 96% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 4%.

Table 206: NASA Output Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	532	79.4	0	0.0	532	2.8	100.0	0.0
Indirect	0	0.0	12,537	68.0	12,537	65.6	0.0	100.0
Induced	138	20.6	5,893	32.0	6,031	31.6	2.3	97.7
Total	670	100	18,430	100	19,100	100	3.5	96.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Maine in FY 2021, but \$306,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 32 jobs, \$3.1 million in labor income, and \$9.9 million worth of output. These economic activities generate \$391,000 in tax revenues for the state and local governments in Maine (Table 207).

Table 207: Summary of M2M Campaign Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	31	3,033	3,835	9,746	377
Induced	1	71	122	215	14
Total	32	3,104	3,957	9,961	391
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

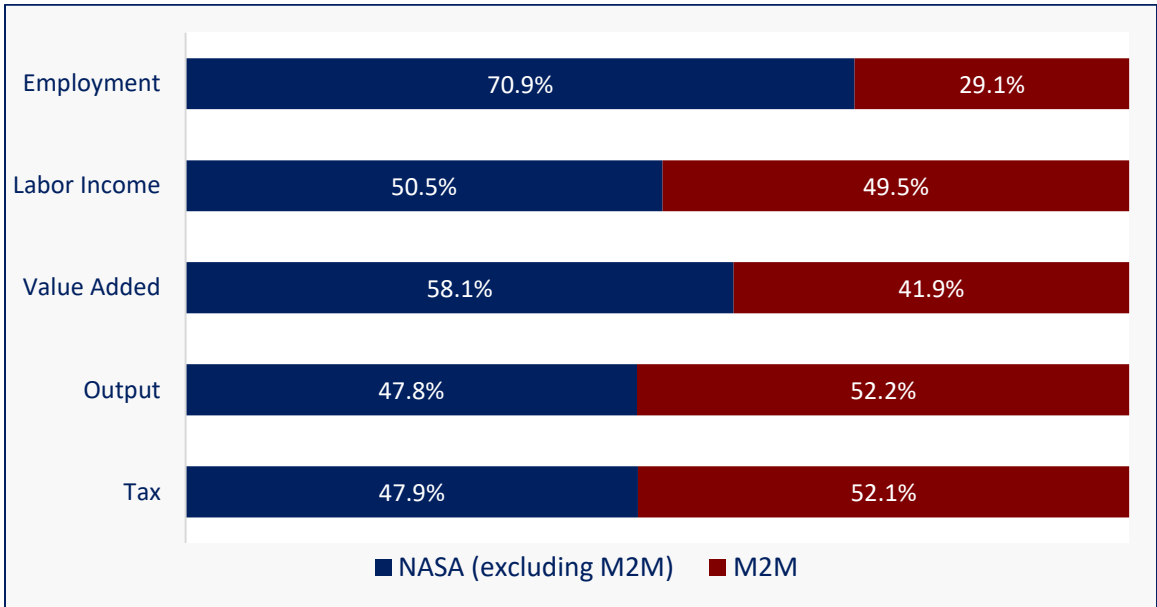
The M2M Campaign’s Share of NASA Impacts

Around 45% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 208 and Figure 68). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 208: The M2M Campaign Portion of Overall NASA Impacts, Maine

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	110	6,276	9,437	19,100	751
M2M Portion	32	3,104	3,957	9,961	391
M2M Share (%)	29.1%	49.5%	41.9%	52.2%	52.1%

Figure 68: The M2M Campaign Portion of Overall NASA Impacts, Maine



Investments in Climate Change Research and Technology Impacts

In 2021, Maine had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$7,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$2.5 million. The total Maine employment impact is 39 jobs. The labor income and economic output associated with this employment are \$2.1 million and \$6.5 million, respectively. The investments in climate change research and technology generate \$256,000 in tax revenues for the state and local governments in Maine (Table 209).

Table 209: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	7	20	45	<1
Indirect	24	1,435	2,001	4,333	120
Induced	15	675	1,155	2,146	136
Total	39	2,117	3,176	6,524	256
<i>Multiplier</i>	<i>421.6</i>	<i>302.4</i>	<i>158.8</i>	<i>145.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Maine economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 210: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Maine

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	54.0	0	0.0	<1	0.2	100.0	0.0
Indirect	0	0.0	24	61.5	24	61.4	0.0	100.0
Induced	<1	46.0	15	38.5	15	38.4	0.5	99.5
Total	<1	100	39	100	39	100	0.4	99.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 211: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Maine

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	45	78.9	0	0.0	45	0.7	100.0	0.0
Indirect	0	0.0	4,333	67.0	4,333	66.4	0.0	100.0
Induced	12	21.1	2,134	33.0	2,146	32.9	0.6	99.4
Total	57	100	6,467	100	6,524	100	0.9	99.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

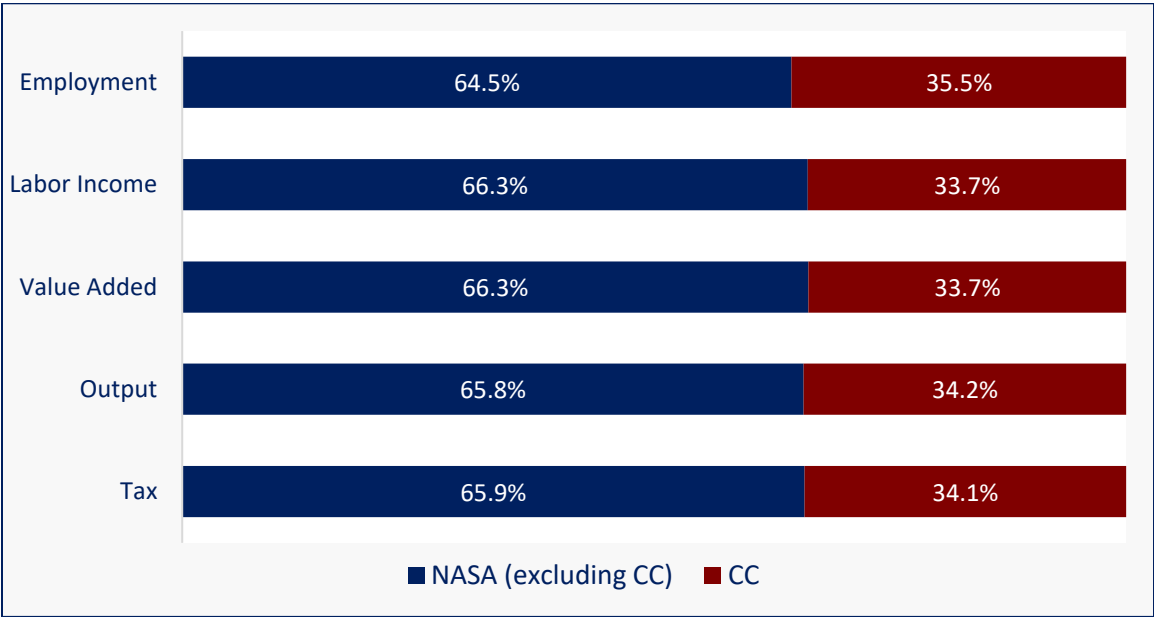
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 34% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 212 and Figure 69). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 212: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Maine

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	110	6,276	9,437	19,100	751
CC Portion	39	2,117	3,176	6,524	256
CC Share (%)	35.5%	33.7%	33.7%	34.2%	34.1%

Figure 69: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Maine



Economic Impacts on the State of Maryland

NASA Impacts

In 2021, 3,314 NASA civil service employees (3,128 FTEs) residing in Maryland earned \$611.3 million in labor income. NASA contracts sourced in Maryland in the same year totaled more than \$2.2 billion. The total economic impact resulting from these activities is 36,771 jobs, \$3.1 billion in labor income, and \$7.9 billion in economic output. These economic activities generate \$344.8 million in tax revenues for the state and local governments in Maryland (Table 213).

The employment multiplier is 11.8, meaning that for every NASA job located in Maryland, an additional 10.8 jobs are supported in the state economy. The output multiplier of 5.2 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$4.2 million worth of output is sustained throughout the state economy.

Table 213: Summary of NASA Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,128	611,308	666,118	1,523,897	24,093
Indirect	16,912	1,555,192	2,105,127	3,564,142	123,972
Induced	16,731	979,782	1,752,449	2,877,356	196,706
Total	36,771	3,146,282	4,523,694	7,965,395	344,771
<i>Multiplier</i>	<i>11.8</i>	<i>5.1</i>	<i>6.8</i>	<i>5.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Maryland economy. Table 214 examines the sources of the employment figures in the second column of Table 213. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 78% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 22%.

Table 214: NASA Employment Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	3,128	38.0	0	0.0	3,128	8.5	100.0	0.0
Indirect	0	0.0	16,912	59.3	16,912	46.0	0.0	100.0
Induced	5,102	62.0	11,629	40.7	16,731	45.5	30.5	69.5
Total	8,230	100	28,541	100	36,771	100	22.4	77.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 215 examines the sources of the output figures in the fifth column of Table 213. Procurement spending is responsible for nearly 70% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 30%. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 215: NASA Output Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,523,897	63.4	0	0.0	1,523,897	19.1	100.0	0.0
Indirect	0	0.0	3,564,142	64.1	3,564,142	44.7	0.0	100.0
Induced	877,896	36.6	1,999,460	35.9	2,877,356	36.1	30.5	69.5
Total	2,401,793	100	5,563,602	100	7,965,395	100	30.2	69.8

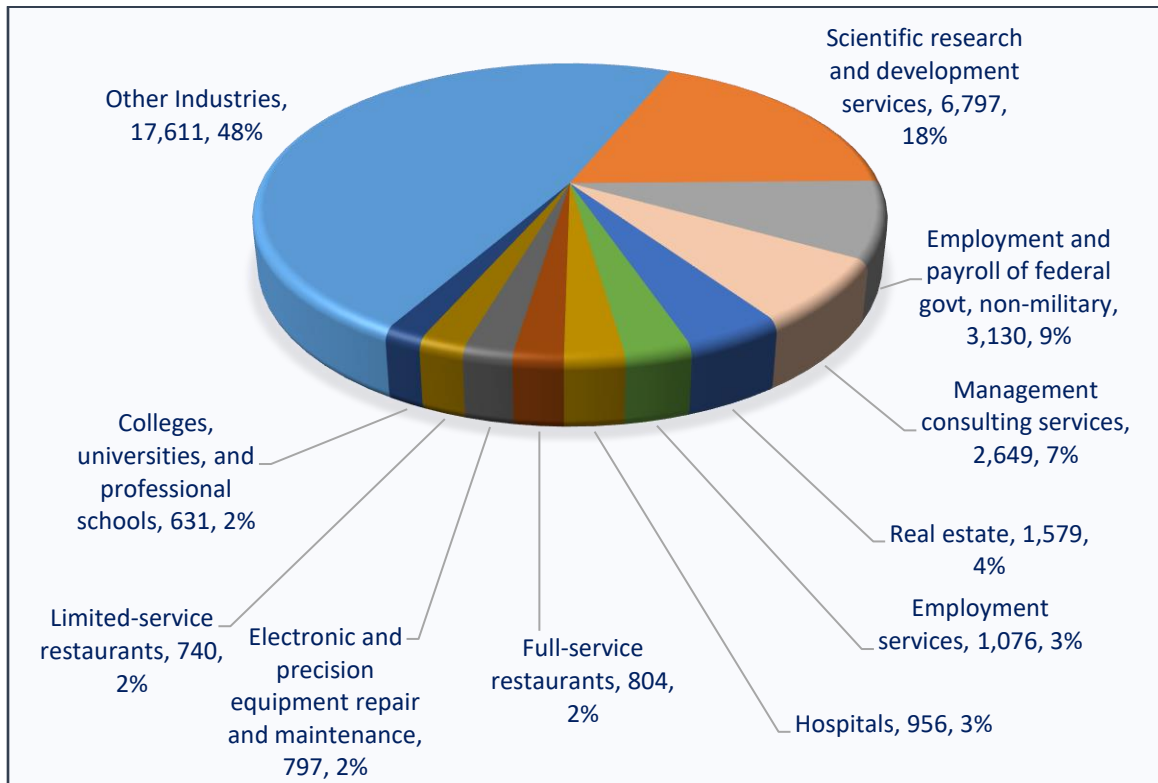
Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

36,771 jobs in the Maryland economy were supported by NASA activities in Fiscal Year 2021. Of these, 3,128 (8%) were directly located at NASA centers. As a result of the procurement of goods and services in the Maryland economy, 16,912 additional jobs (46%) were created. The remaining employment—16,731 jobs (46%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 70 depicts the ten most impacted industries by employment. Scientific research and development services and management consulting services are the most impacted industries, respectively (aside from the federal government sector). These three industries together account for a third of the jobs created. The employment in private sector industries is driven largely by NASA procurement spending; these two industries accounted for 82% of NASA procurement spending in the state in Fiscal Year 2021. The

impact in the federal government sector represents mainly civil service employees working for NASA.

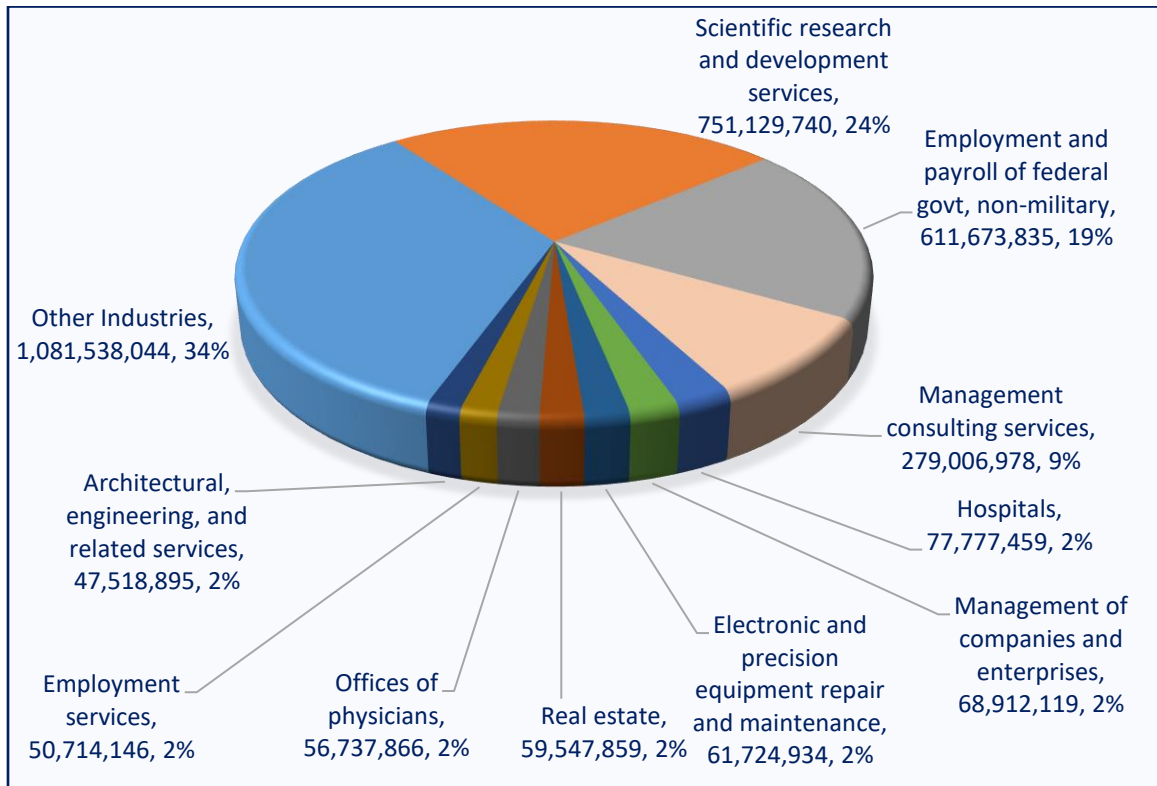
Figure 70: Top Ten Most Impacted Industries by Employment, Maryland (NASA)



The total income impact of NASA in Maryland was \$3.1 billion in Fiscal Year 2021. Of this amount, more than \$611 million (20%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.5 billion (49%). The remaining income (induced impact), estimated to be \$979.8 million (31%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 71 depicts the ten most impacted industries by labor income. As a consequence of their share of total employment, scientific research and development and management consulting services are the most impacted industries by income (along with the federal government sector). The three industries together account for 52% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019, the average employee compensation in the scientific research and development services industry was \$108,507 (including benefits), compared to an average of \$69,975 across Maryland.

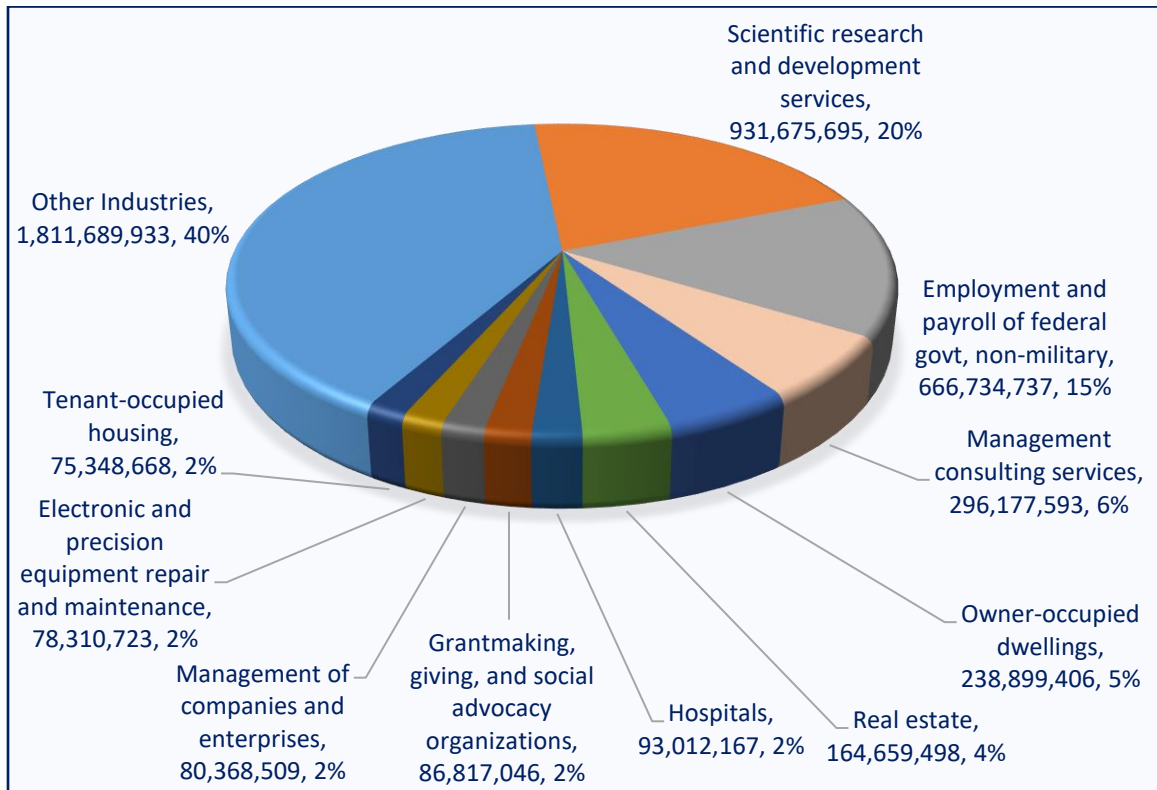
Figure 71: Top Ten Most Impacted Industries by Labor Income, Maryland (NASA)



The total value added impact of NASA in Maryland was \$4.5 billion in Fiscal Year 2021. Of this amount, \$666 million (15%) was created by civil service employees and \$2.1 billion (46%) was created indirectly by the \$2.2 billion in procurement spending across all industry sectors in Maryland. \$1.7 billion (39%) was generated by increased consumption spending supported by increased earnings.

Figure 72 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development services and management consulting services are the most impacted industries (along with the federal government sector). The three industries together account for 41% of the total value added created. NASA activities accounted for an increase of \$931 million in value added in scientific research and development services, and a \$296 million increase in value added in management consulting services. Six hundred sixty-six (666) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

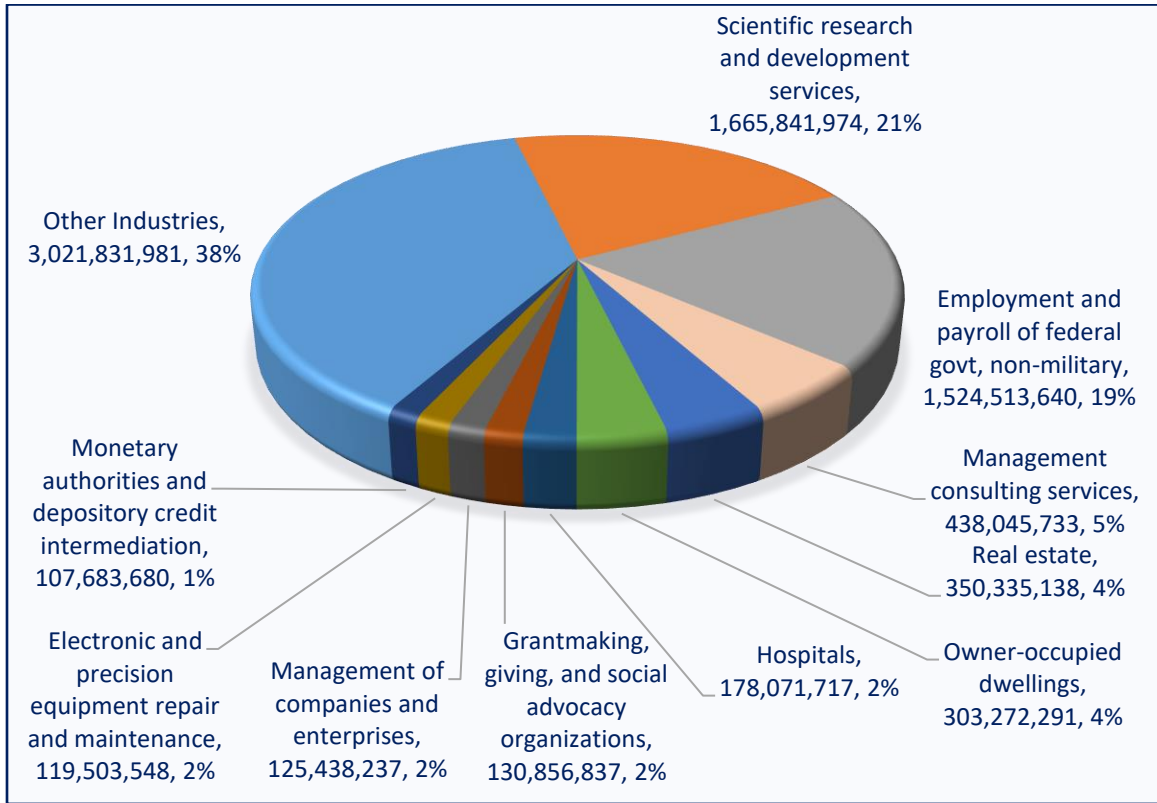
Figure 72: Top Ten Most Impacted Industries by Value Added, Maryland (NASA)



The total output impact of NASA in Maryland was \$7.9 billion in Fiscal Year 2021. The direct impact of \$1.5 billion constitutes the value of production by NASA employees, accounting for around 19% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$2.2 billion resulted in an additional increase in output (gross sales) of \$1.3 billion across all industry sectors (adding up to the indirect total of \$3.5 billion in Table 213). Nearly \$2.9 billion (36%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$1.6 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services, and a \$438 million increase in management consulting services (Figure 73). Similar to employment, impacts in these industries are largely driven by NASA procurement spending; these two industries accounted for 82% of NASA procurement spending in the state in Fiscal Year 2021. The output impacts reported in other industries mainly result from increases in consumption spending (induced impacts). The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 73: Top Ten Most Impacted Industries by Output, Maryland (NASA)



M2M Campaign Impacts

In 2021, Maryland had 106 M2M-related civil service employees (17 FTEs) with a corresponding labor income of \$3.5 million. M2M campaign contracts sourced in the state in the same year totaled more than \$29.6 million. The total Maryland employment impact is 400 jobs. The labor income and economic output associated with this employment are \$34.8 million and \$86.6 million, respectively. The M2M campaign generates \$3.8 million in tax revenues for the state and local governments in Maryland (Table 216).

Table 216: Summary of M2M Campaign Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	3,513	3,716	8,500	138
Indirect	204	20,094	28,152	46,717	1,549
Induced	179	11,197	19,453	31,419	2,147
Total	400	34,804	51,321	86,636	3,834
<i>Multiplier</i>	23.5	9.9	13.8	10.2	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion

units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Maryland economy. Eighty-eight (88) percent of the employment impacts and eighty-four (84) percent of the output impacts are due to NASA procurement sourced within the state.

Table 217: M2M Campaign Employment Impacts by Sources of Impact, Maryland

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	17	35.4	0	0.0	17	4.3	100.0	0.0
Indirect	0	0.0	204	58.0	204	51.0	0.0	100.0
Induced	31	64.6	148	42.0	179	44.8	17.3	82.7
Total	48	100	352	100	400	100	12.0	88.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 218: M2M Campaign Output Impacts by Sources of Impact, Maryland

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	8,500	61.3	0	0.0	8,500	9.8	100.0	0.0
Indirect	0	0.0	46,717	64.2	46,717	53.9	0.0	100.0
Induced	5,366	38.7	26,053	35.8	31,419	36.3	17.1	82.9
Total	13,866	100	72,770	100	86,636	100	16.0	84.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

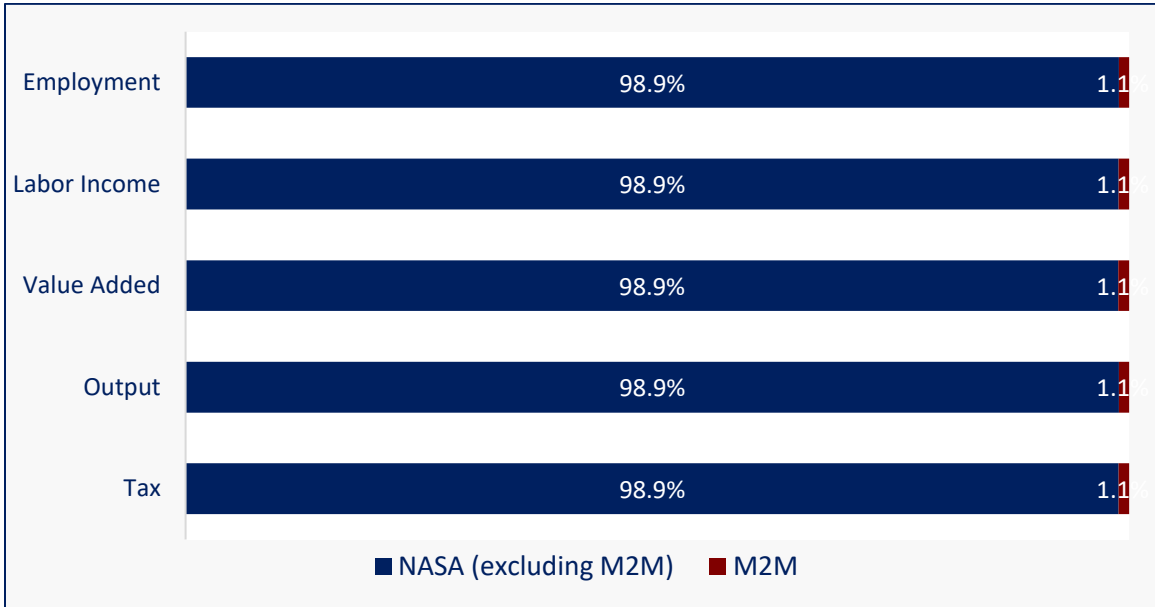
The M2M Campaign's Share of NASA Impacts

Around 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 219 and Figure 74).

Table 219: The M2M Campaign Portion of Overall NASA Impacts, Maryland

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	36,771	3,146,282	4,523,694	7,965,395	344,771
M2M Portion	400	34,804	51,321	86,636	3,834
M2M Share (%)	1.1%	1.1%	1.1%	1.1%	1.1%

Figure 74: The M2M Campaign Portion of Overall NASA Impacts, Maryland



Investments in Climate Change Research and Technology Impacts

In 2021, Maryland had 863 climate change research and technology-related civil service employees (413 FTEs) with a corresponding labor income of \$80.8 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled more than \$417.9 million. The total Maryland employment impact is 6,425 jobs. The labor income and economic output associated with this employment are \$510.1 million and \$1.3 billion, respectively. The investments in climate change research and technology generate \$59.3 million in tax revenues for the state and local governments in Maryland (Table 220).

Table 220: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	413	80,863	88,039	201,409	3,187
Indirect	3,221	273,949	373,203	647,830	24,157
Induced	2,791	155,304	278,250	466,877	31,915
Total	6,425	510,116	739,492	1,316,116	59,259
<i>Multiplier</i>	<i>15.6</i>	<i>6.3</i>	<i>8.4</i>	<i>6.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Maryland economy. More than 83 percent of the employment impacts and 76 percent of the output impacts are due to NASA procurement sourced within the state.

Table 221: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Maryland

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	413	38.0	0	0.0	413	6.4	100.0	0.0
Indirect	0	0.0	3,221	60.3	3,221	50.1	0.0	100.0
Induced	674	62.0	2,117	39.7	2,791	43.4	24.1	75.9
Total	1,087	100	5,338	100	6,425	100	16.9	83.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 222: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Maryland

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	201,409	64.1	0	0.0	201,409	15.3	100.0	0.0
Indirect	0	0.0	647,830	64.7	647,830	49.2	0.0	100.0
Induced	112,760	35.9	354,117	35.3	466,877	35.5	24.2	75.8
Total	314,169	100	1,001,947	100	1,316,116	100	23.9	76.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

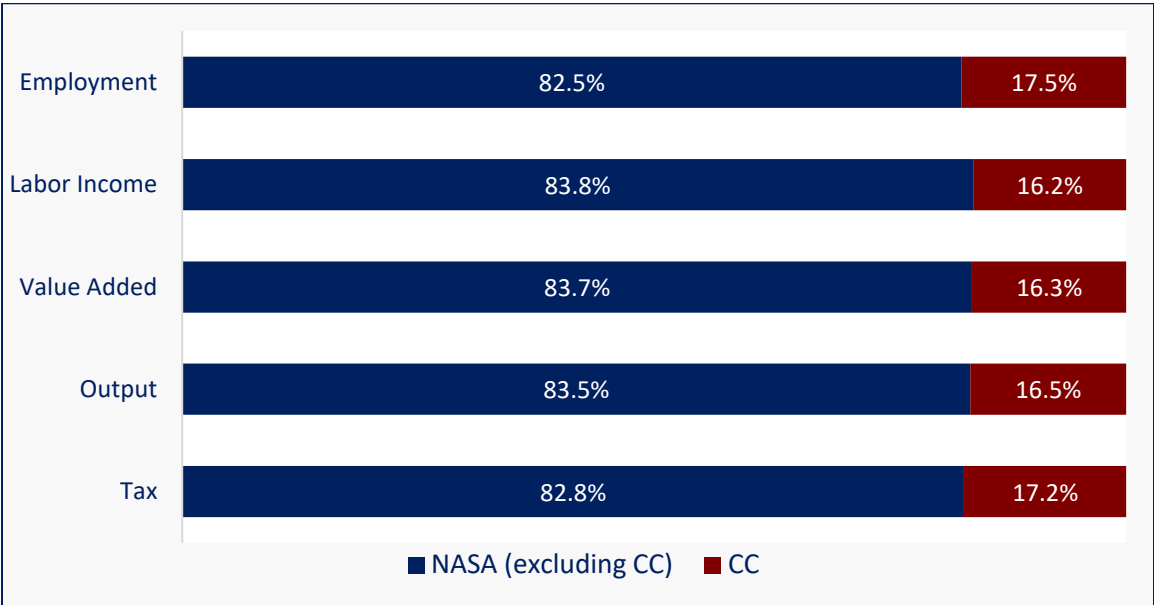
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 17% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 223 and Figure 75). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 223: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Maryland

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	36,771	3,146,282	4,523,694	7,965,395	344,771
CC Portion	6,425	510,116	739,492	1,316,116	59,259
CC Share (%)	17.5%	16.2%	16.3%	16.5%	17.2%

Figure 75: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Maryland



Economic Impacts on the State of Massachusetts

NASA Impacts

In 2021, 24 NASA civil service employees (15 FTEs) residing in Massachusetts earned \$2.5 million in labor income. NASA contracts sourced in Massachusetts in the same year totaled approximately \$256.7 million. The total economic impact resulting from these activities is 3,260 jobs, \$290.8 million in labor income, and \$691.7 million in economic output. These economic activities generate \$26 million in tax revenues for the state and local governments in Massachusetts (Table 224).

Table 224: Summary of NASA Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	15	2,536	3,218	7,362	77
Indirect	1,761	183,622	246,734	410,310	11,751
Induced	1,484	104,611	169,434	274,007	14,191
Total	3,260	290,769	419,386	691,679	26,019
<i>Multiplier</i>	<i>217.3</i>	<i>114.7</i>	<i>130.3</i>	<i>94.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Massachusetts economy. Table 225 examines the sources of the employment figures in the second column of Table 224. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 99 percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 1%.

Table 225: NASA Employment Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	15	40.5	0	0.0	15	0.5	100.0	0.0
Indirect	0	0.0	1,761	54.6	1,761	54.0	0.0	100.0
Induced	22	59.5	1,462	45.4	1,484	45.5	1.5	98.5
Total	37	100	3,223	100	3,260	100	1.1	98.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 226 examines the sources of the output figures in the fifth column of Table 224. Procurement spending is responsible for 98% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 2%.

Table 226: NASA Output Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	7,362	64.1	0	0.0	7,362	1.1	100.0	0.0
Indirect	0	0.0	410,310	60.3	410,310	59.3	0.0	100.0
Induced	4,127	35.9	269,880	39.7	274,007	39.6	1.5	98.5
Total	11,489	100	680,190	100	691,679	100	1.7	98.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Massachusetts had five M2M-related civil service employees (1 FTE) with a corresponding labor income of 184,000. M2M campaign contracts sourced in the state in the same year totaled \$6.6 million. The total Massachusetts employment impact is 84 jobs. The labor income and economic output associated with this employment are \$8.1 million and \$18.8 million, respectively. The M2M campaign generates \$747,000 in tax revenues for the state and local governments in Massachusetts (Table 227).

Table 227: Summary of M2M Campaign Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	184	273	624	6
Indirect	43	5,011	7,396	10,772	354
Induced	40	2,950	4,684	7,453	387
Total	84	8,145	12,353	18,849	747
<i>Multiplier</i>	<i>84.0</i>	<i>44.3</i>	<i>45.2</i>	<i>30.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Massachusetts economy. More than 96 percent of the employment and 95 percent output impacts are due to NASA procurement sourced within the state.

Table 228: M2M Campaign Employment Impacts by Sources of Impact, Massachusetts

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	1	33.3	0	0.0	1	1.2	100.0
Indirect	0	0.0	43	53.1	43	51.2	0.0	100.0
Induced	2	66.7	38	46.9	40	47.6	5.0	95.0
Total	3	100	81	100	84	100	3.6	96.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 229: M2M Campaign Output Impacts by Sources of Impact, Massachusetts

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	624	66.2	0	0.0	624	3.3	100.0
Indirect	0	0.0	10,772	60.2	10,772	57.1	0.0	100.0
Induced	319	33.8	7,134	39.8	7,453	39.5	4.3	95.7
Total	943	100	17,906	100	18,849	100	5.0	95.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

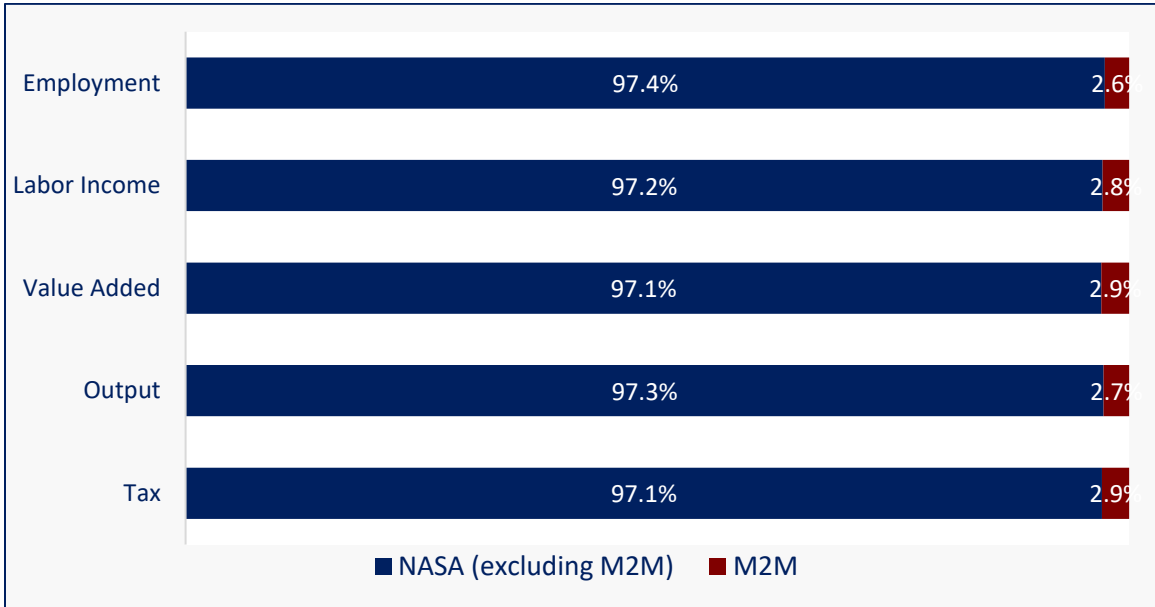
The M2M Campaign’s Share of NASA Impacts

Approximately 3% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 230 and Figure 76). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 230: The M2M Campaign Portion of Overall NASA Impacts, Massachusetts

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	3,260	290,769	419,386	691,679	26,019
M2M Portion	84	8,145	12,353	18,849	747
M2M Share (%)	2.6%	2.8%	2.9%	2.7%	2.9%

Figure 76: The M2M Campaign Portion of Overall NASA Impacts, Massachusetts



Investments in Climate Change Research and Technology Impacts

In 2021, Massachusetts had three climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of 137,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$68.1 million. The total Massachusetts employment impact is 958 jobs. The labor income and economic output associated with this employment are \$76.9 million and \$178.8 million, respectively. The investments in climate change research and technology generate \$7.1 million in tax revenues for the state and local governments in Massachusetts (Table 231).

Table 231: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	137	270	617	4
Indirect	554	49,608	66,495	105,590	3,309
Induced	403	27,138	43,854	72,595	3,760
Total	958	76,883	110,619	178,802	7,073
<i>Multiplier</i>	<i>958.0</i>	<i>561.2</i>	<i>409.7</i>	<i>289.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Massachusetts economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 232: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Massachusetts

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.1	100.0	0.0
Indirect	0	0.0	554	57.9	554	57.8	0.0	100.0
Induced	1	50.0	402	42.1	403	42.1	0.2	99.8
Total	2	100	956	100	958	100	0.2	99.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 233: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Massachusetts

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	617	74.2	0	0.0	617	0.3	100.0	0.0
Indirect	0	0.0	105,590	59.3	105,590	59.1	0.0	100.0
Induced	215	25.8	72,380	40.7	72,595	40.6	0.3	99.7
Total	832	100	177,970	100	178,802	100	0.5	99.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

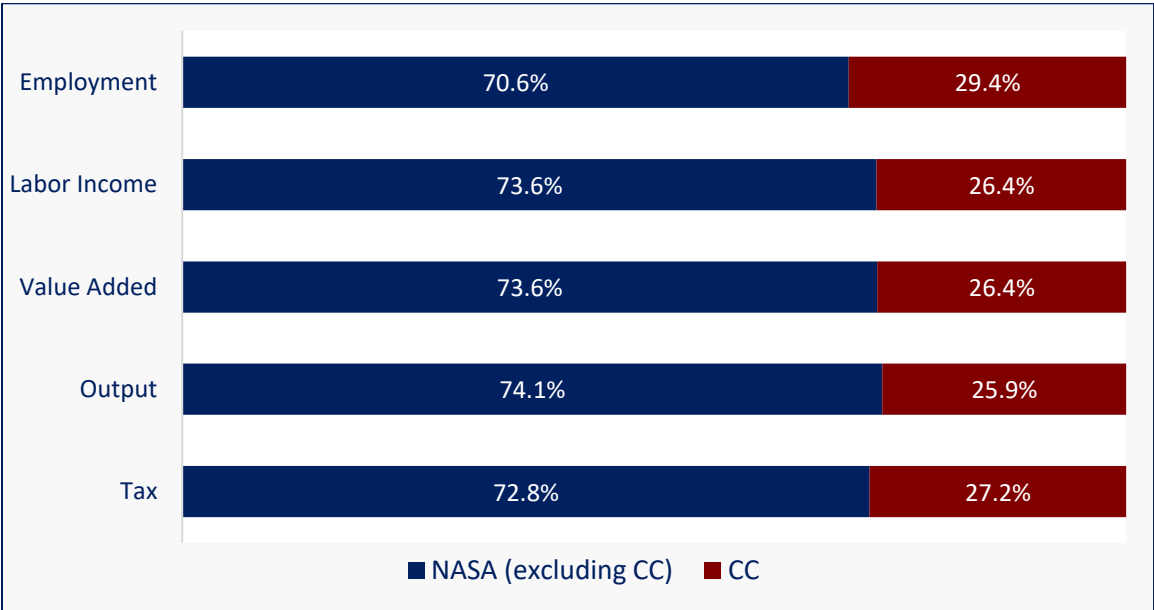
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 27% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 234 and Figure 77). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 234: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Massachusetts

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	3,260	290,769	419,386	691,679	26,019
CC Portion	958	76,883	110,619	178,802	7,073
CC Share (%)	29.4%	26.4%	26.4%	25.9%	27.2%

Figure 77: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Massachusetts



Economic Impacts on the State of Michigan

NASA Impacts

In 2021, 29 NASA civil service employees (13 FTEs) residing in Michigan earned \$1.5 million in labor income. NASA contracts sourced in Michigan in the same year totaled \$45.1 million. The total economic impact resulting from these activities is 785 jobs, \$50.9 million in labor income, and \$142.6 million in economic output. These economic activities generate \$4.8 million in tax revenues for the state and local governments in Michigan (Table 235).

Table 235: Summary of NASA Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	1,526	2,853	6,528	54
Indirect	442	32,098	43,165	81,096	1,903
Induced	330	17,324	28,889	54,950	2,886
Total	785	50,948	74,907	142,574	4,843
<i>Multiplier</i>	<i>60.4</i>	<i>33.4</i>	<i>26.3</i>	<i>21.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Michigan economy. Table 236 examines the sources of the employment figures in the second column of Table 235. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-six (96) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 4%.

Table 236: NASA Employment Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	13	43.3	0	0.0	13	1.7	100.0	0.0
Indirect	0	0.0	442	58.5	442	56.3	0.0	100.0
Induced	17	56.7	313	41.5	330	42.0	5.2	94.8
Total	30	100	755	100	785	100	3.8	96.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 237 examines the sources of the output figures in the fifth column of Table 235. Procurement spending is responsible for more than 93% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 7%.

Table 237: NASA Output Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	6,528	69.8	0	0.0	6,528	4.6	100.0	0.0
Indirect	0	0.0	81,096	60.9	81,096	56.9	0.0	100.0
Induced	2,821	30.2	52,129	39.1	54,950	38.5	5.1	94.9
Total	9,349	100	133,225	100	142,574	100	6.6	93.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Michigan had five M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$223,000. M2M campaign contracts sourced in the state in the same year totaled \$1.4 million. The total Michigan employment impact is 23 jobs. The labor income and economic output associated with this employment are \$1.8 million and \$5.1 million, respectively. The M2M campaign generates \$168,000 in tax revenues for the state and local governments in Michigan (Table 238).

Table 238: Summary of M2M Campaign Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	223	391	894	8
Indirect	10	924	1,443	2,378	62
Induced	11	599	1,001	1,859	98
Total	23	1,746	2,835	5,131	168
<i>Multiplier</i>	<i>11.5</i>	<i>7.8</i>	<i>7.3</i>	<i>5.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Michigan economy. Seventy-eight (78) percent of the employment impacts and seventy-four (74) percent of the output impacts are due to NASA procurement sourced within the state.

Table 239: M2M Campaign Employment Impacts by Sources of Impact, Michigan

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	40.0	0	0.0	2	8.7	100.0	0.0
Indirect	0	0.0	10	55.6	10	43.5	0.0	100.0
Induced	3	60.0	8	44.4	11	47.8	27.3	72.7
Total	5	100	18	100	23	100	21.7	78.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 240: M2M Campaign Output Impacts by Sources of Impact, Michigan

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	894	67.5	0	0.0	894	17.4	100.0	0.0
Indirect	0	0.0	2,378	62.5	2,378	46.3	0.0	100.0
Induced	431	32.5	1,428	37.5	1,859	36.2	23.2	76.8
Total	1,325	100	3,806	100	5,131	100	25.8	74.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

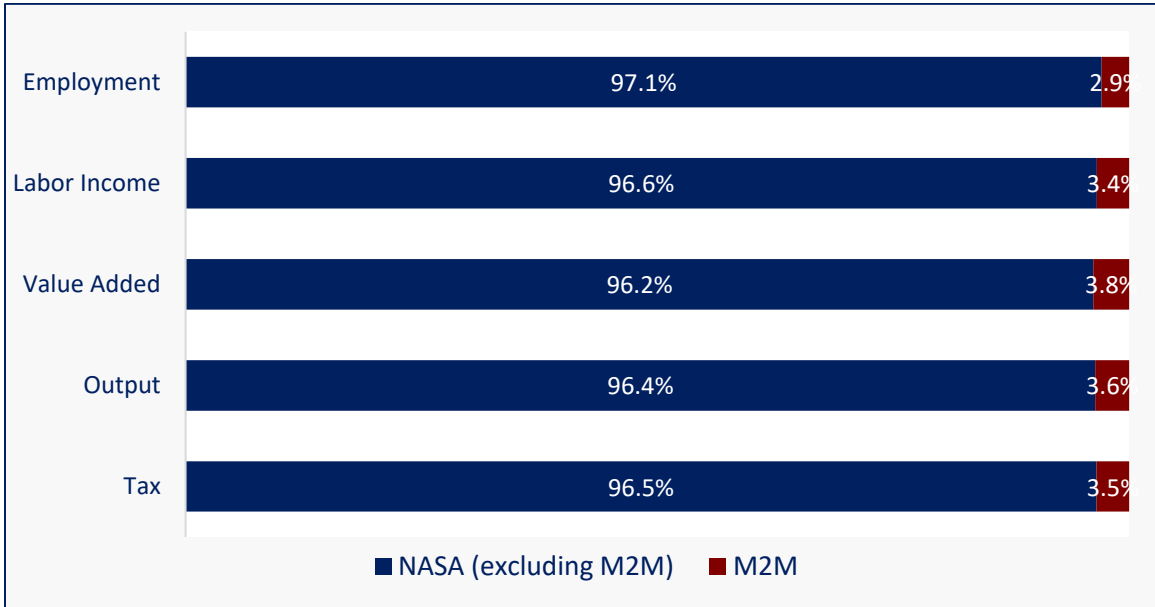
The M2M Campaign's Share of NASA Impacts

Around 3% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 241 and Figure 78). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 241: The M2M Campaign Portion of Overall NASA Impacts, Michigan

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	785	50,948	74,907	142,574	4,843
M2M Portion	23	1,746	2,835	5,131	168
M2M Share (%)	2.9%	3.4%	3.8%	3.6%	3.5%

Figure 78: The M2M Campaign Portion of Overall NASA Impacts, Michigan



Investments in Climate Change Research and Technology Impacts

In 2021, Michigan had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$185,000. Investments in climate change research and technology sourced in the state in the same year totaled \$20.7 million. The total Michigan employment impact is 347 jobs. The labor income and economic output associated with this employment are \$21.9 million and \$62.7 million, respectively. The investments in climate change research and technology generate \$2.1 million in tax revenues for the state and local governments in Michigan (Table 242).

Table 242: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	185	167	383	7
Indirect	200	14,370	19,630	38,278	875
Induced	146	7,375	12,278	24,015	1,261
Total	347	21,930	32,075	62,676	2,143
<i>Multiplier</i>	<i>347.0</i>	<i>118.5</i>	<i>192.1</i>	<i>163.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Michigan economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 243: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Michigan

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	33.3	0	0.0	1	0.3	100.0	0.0
Indirect	0	0.0	200	58.1	200	57.6	0.0	100.0
Induced	2	66.7	144	41.9	146	42.1	1.4	98.6
Total	3	100	344	100	347	100	0.9	99.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 244: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Michigan

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	383	53.1	0	0.0	383	0.6	100.0	0.0
Indirect	0	0.0	38,278	61.8	38,278	61.1	0.0	100.0
Induced	338	46.9	23,677	38.2	24,015	38.3	1.4	98.6
Total	721	100	61,955	100	62,676	100	1.2	98.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

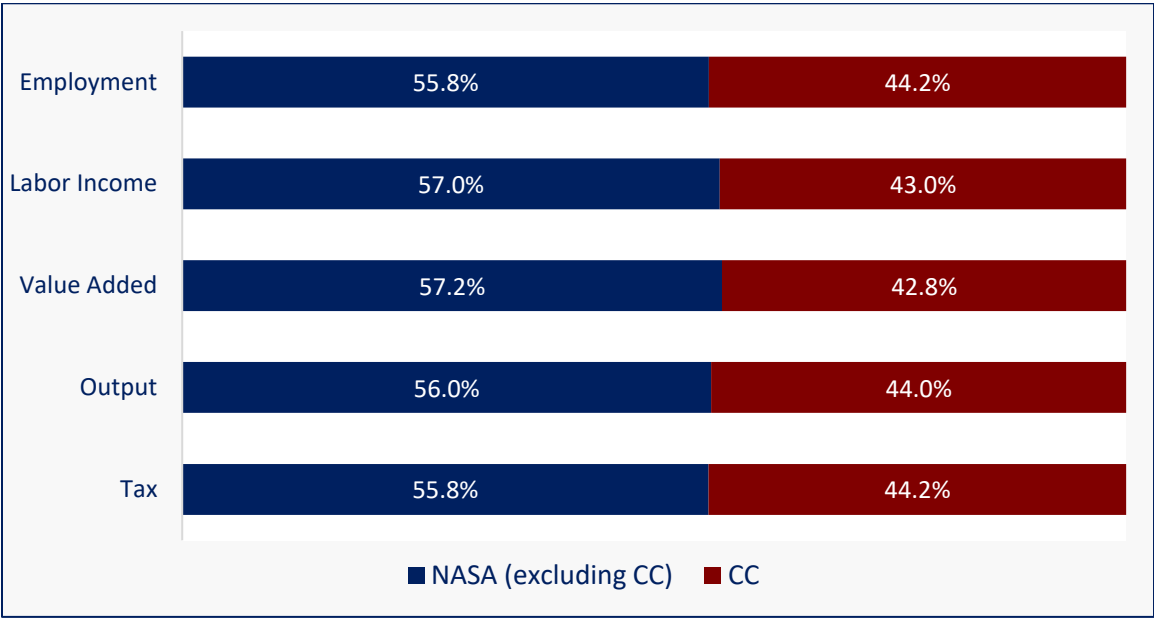
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 44% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 245 and Figure 79). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 245: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Michigan

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	785	50,948	74,907	142,574	4,843
CC Portion	347	21,930	32,075	62,676	2,143
CC Share (%)	44.2%	43.0%	42.8%	44.0%	44.2%

Figure 79: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Michigan



Economic Impacts on the State of Minnesota

NASA Impacts

In 2021, 25 NASA civil service employees (12 FTEs) residing in Minnesota earned \$1.2 million in labor income. NASA contracts sourced in Minnesota in the same year totaled \$13.0 million. The total economic impact resulting from these activities is 273 jobs, \$17.5 million in labor income, and \$50.7 million in economic output (Table 246).³⁴

Table 246: Summary of NASA Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	1,202	2,450	5,606	41
Indirect	155	10,001	13,408	25,980	-1,296
Induced	106	6,266	10,447	19,134	1,186
Total	273	17,469	26,305	50,720	-69
<i>Multiplier</i>	<i>22.8</i>	<i>14.5</i>	<i>10.7</i>	<i>9.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Minnesota economy. Table 247 examines the sources of the employment figures in the second column of Table 246. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 91% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 9%.

Table 247: NASA Employment Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	12	48.0	0	0.0	12	4.4	100.0	0.0
Indirect	0	0.0	155	62.5	155	56.8	0.0	100.0
Induced	13	52.0	93	37.5	106	38.8	12.3	87.7
Total	25	100	248	100	273	100	9.2	90.8

³⁴ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 248 examines the sources of the output figures in the fifth column of Table 246. Procurement spending is responsible for more than 84% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 16%.

Table 248: NASA Output Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	5,606	70.2	0	0.0	5,606	11.1	100.0	0.0
Indirect	0	0.0	25,980	60.8	25,980	51.2	0.0	100.0
Induced	2,375	29.8	16,759	39.2	19,134	37.7	12.4	87.6
Total	7,981	100	42,739	100	50,720	100	15.7	84.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Minnesota had two M2M-related civil service employees (1 FTE) with a corresponding labor income of \$93,000. M2M campaign contracts sourced in the state in the same year totaled \$1.4 million. The total Minnesota employment impact is 22 jobs. The labor income and economic output associated with this employment are \$1.7 million and \$4.9 million, respectively. The M2M campaign generates \$206,000 in tax revenues for the state and local governments in Minnesota (Table 249).

Table 249: Summary of M2M Campaign Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	93	166	380	3
Indirect	11	1,015	1,496	2,671	89
Induced	10	615	1,024	1,835	114
Total	22	1,723	2,686	4,886	206
<i>Multiplier</i>	<i>22.0</i>	<i>18.5</i>	<i>16.2</i>	<i>12.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Minnesota economy. Approximately 91 percent of the employment impacts and more than 88 percent of the output impacts are due to NASA procurement sourced within the state.

Table 250: M2M Campaign Employment Impacts by Sources of Impact, Minnesota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	1	50.0	0	0.0	1	4.5	100.0	0.0
Indirect	0	0.0	11	55.0	11	50.0	0.0	100.0
Induced	1	50.0	9	45.0	10	45.5	10.0	90.0
Total	2	100	20	100	22	100	9.1	90.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 251: M2M Campaign Output Impacts by Sources of Impact, Minnesota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	380	66.4	0	0.0	380	7.8	100.0	0.0
Indirect	0	0.0	2,671	61.9	2,671	54.7	0.0	100.0
Induced	192	33.6	1,643	38.1	1,835	37.6	10.5	89.5
Total	572	100	4,314	100	4,886	100	11.7	88.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

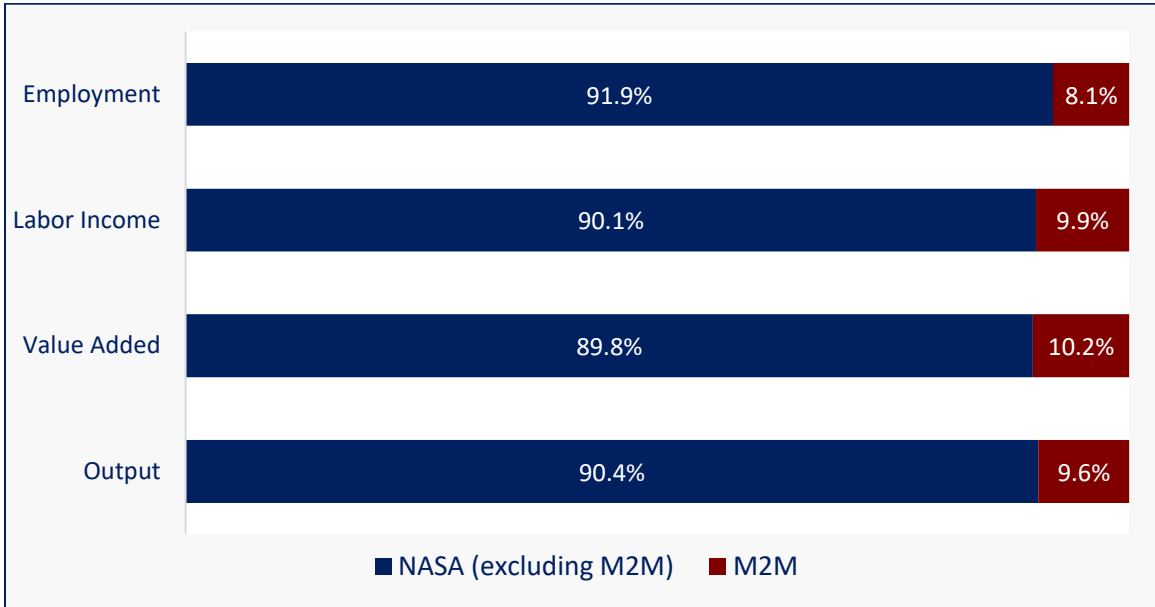
The M2M Campaign's Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 252 and Figure 80). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output impacts (due to industry-specific multipliers).

Table 252: The M2M Campaign Portion of Overall NASA Impacts, Minnesota

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	273	17,469	26,305	50,720	n.a.
M2M Portion	22	1,723	2,686	4,886	n.a.
M2M Share (%)	8.1%	9.9%	10.2%	9.6%	n.a.

Figure 80: The M2M Campaign Portion of Overall NASA Impacts, Minnesota



Investments in Climate Change Research and Technology Impacts

In 2021, Minnesota had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$78,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$3.4 million. The total Minnesota employment impact is 60 jobs. The labor income and economic output associated with this employment are \$3.7 million and \$10.8 million, respectively. The investments in climate change research and technology generate \$451,000 in tax revenues for the state and local governments in Minnesota (Table 253).

Table 253: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	78	260	596	3
Indirect	35	2,275	3,311	6,049	193
Induced	24	1,321	2,199	4,127	255
Total	60	3,674	5,770	10,772	451
<i>Multiplier</i>	<i>60.0</i>	<i>47.1</i>	<i>22.2</i>	<i>18.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Minnesota economy. Approximately 97 percent of the employment impacts and more than 93 percent of the output impacts are due to NASA procurement sourced within the state.

Table 254: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Minnesota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	1.7	100.0	0.0
Indirect	0	0.0	35	60.3	35	58.3	0.0	100.0
Induced	1	50.0	23	39.7	24	40.0	4.2	95.8
Total	2	100	58	100	60	100	3.3	96.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 255: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Minnesota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	596	79.8	0	0.0	596	5.5	100.0	0.0
Indirect	0	0.0	6,049	60.3	6,049	56.2	0.0	100.0
Induced	151	20.2	3,976	39.7	4,127	38.3	3.7	96.3
Total	747	100	10,025	100	10,772	100	6.9	93.1

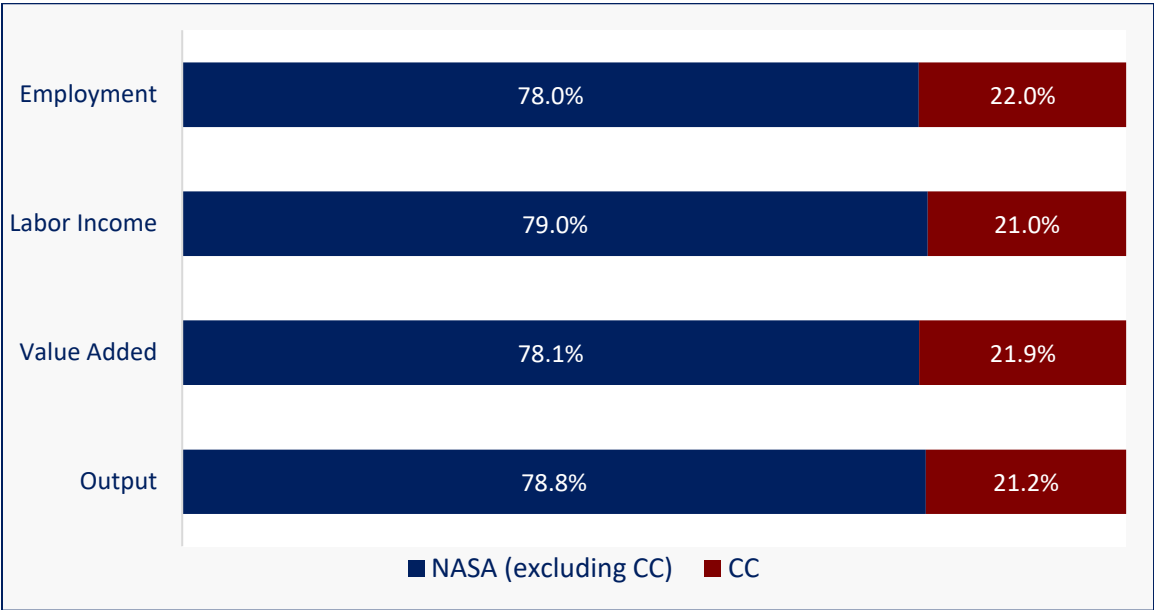
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 22% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 256 and Figure 81). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output impacts (due to industry-specific multipliers).

Table 256: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Minnesota

Impact Component	Employment	Labor			Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)			
NASA Total	273	17,469	26,305	50,720	n.a.	
CC Portion	60	3,674	5,770	10,772	n.a.	
CC Share (%)	22.0%	21.0%	21.9%	21.2%	n.a.	

Figure 81: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Minnesota



Economic Impacts on the State of Mississippi

NASA Impacts

In 2021, 282 NASA civil service employees (261 FTEs) residing in Mississippi earned \$42.5 million in labor income. NASA contracts sourced in Mississippi in the same year totaled \$296.9 million. The total economic impact resulting from these activities is 5,187 jobs, \$265.7 million in labor income, and \$864.8 million in economic output. These economic activities generate \$29.0 million in tax revenues for the state and local governments in Mississippi (Table 257).

The employment multiplier is 19.9, meaning that for every NASA job located in Mississippi, an additional 18.9 jobs are supported in the state economy. The output multiplier of 6.8 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$5.8 million worth of output is sustained throughout the state economy.

Table 257: Summary of NASA Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	261	42,541	55,597	127,190	920
Indirect	3,396	162,610	226,025	511,263	13,105
Induced	1,530	60,525	113,678	226,306	15,003
Total	5,187	265,676	395,300	864,759	29,028
<i>Multiplier</i>	<i>19.9</i>	<i>6.2</i>	<i>7.1</i>	<i>6.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Mississippi economy. Table 258 examines the sources of the employment figures in the second column of Table 257. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Eighty-eight (88) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 12%.

Table 258: NASA Employment Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	261	41.8	0	0.0	261	5.0	100.0	0.0
Indirect	0	0.0	3,396	74.4	3,396	65.5	0.0	100.0
Induced	364	58.2	1,166	25.6	1,530	29.5	23.8	76.2
Total	625	100	4,562	100	5,187	100	12.0	88.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 259 examines the sources of the output figures in the fifth column of Table 257. Procurement spending is responsible for 79% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 21%. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 259: NASA Output Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	127,190	70.2	0	0.0	127,190	14.7	100.0	0.0
Indirect	0	0.0	511,263	74.8	511,263	59.1	0.0	100.0
Induced	53,926	29.8	172,380	25.2	226,306	26.2	23.8	76.2
Total	181,116	100	683,643	100	864,759	100	20.9	79.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Mississippi had 70 M2M-related civil service employees (37 FTEs) with a corresponding labor income of nearly \$6.2 million. M2M campaign contracts sourced in the state in the same year totaled more than \$78.3 million. The total Mississippi employment impact is 1,201 jobs. The labor income and economic output associated with this employment are \$62.4 million and \$208.0 million, respectively. The M2M campaign generates \$7.1 million in tax revenues for the state and local governments in Mississippi (Table 260).

Table 260: Summary of M2M Campaign Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	37	6,155	7,914	18,106	133
Indirect	827	42,460	60,985	139,423	3,594
Induced	337	13,758	26,026	50,477	3,346
Total	1,201	62,373	94,925	208,006	7,073
<i>Multiplier</i>	<i>32.5</i>	<i>10.1</i>	<i>12.0</i>	<i>11.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Mississippi economy. More than 92 percent of the employment impacts and 87 percent of the output impacts are due to NASA procurement sourced within the state.

Table 261: M2M Campaign Employment Impacts by Sources of Impact, Mississippi

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	37	40.7	0	0.0	37	3.1	100.0	0.0
Indirect	0	0.0	827	74.5	827	68.9	0.0	100.0
Induced	54	59.3	283	25.5	337	28.1	16.0	84.0
Total	91	100	1,110	100	1,201	100	7.6	92.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 262: M2M Campaign Output Impacts by Sources of Impact, Mississippi

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	18,106	69.3	0	0.0	18,106	8.7	100.0	0.0
Indirect	0	0.0	139,423	76.7	139,423	67.0	0.0	100.0
Induced	8,037	30.7	42,440	23.3	50,477	24.3	15.9	84.1
Total	26,143	100	181,863	100	208,006	100	12.6	87.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

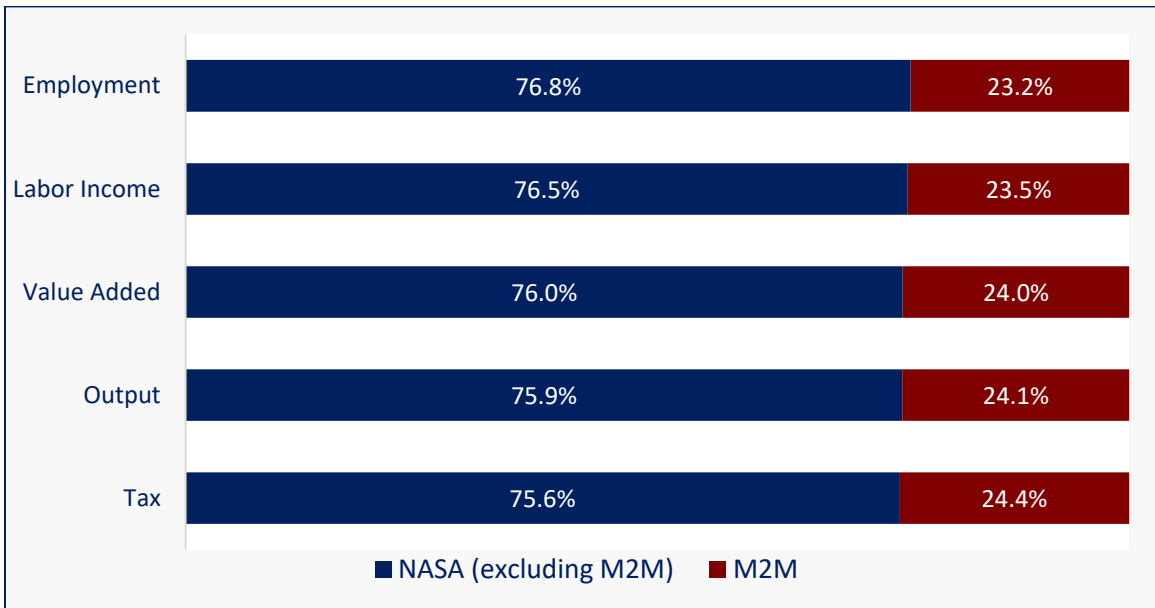
The M2M Campaign’s Share of NASA Impacts

Around 24% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 263 and Figure 82). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 263: The M2M Campaign Portion of Overall NASA Impacts, Mississippi

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	5,187	265,676	395,300	864,759	29,028
M2M Portion	1,201	62,373	94,925	208,006	7,073
M2M Share (%)	23.2%	23.5%	24.0%	24.1%	24.4%

Figure 82: The M2M Campaign Portion of Overall NASA Impacts, Mississippi



Investments in Climate Change Research and Technology Impacts

In 2021, Mississippi had three climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$310,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$18.8 million. The total Mississippi employment impact is 315 jobs. The labor income and economic output associated with this employment are \$14.5 million and \$46.2 million, respectively. The investments in climate change research and technology

generate \$1.6 million in tax revenues for the state and local governments in Mississippi (Table 264).

Table 264: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	310	367	839	7
Indirect	229	10,979	14,270	32,889	758
Induced	84	3,209	5,986	12,446	825
Total	315	14,498	20,623	46,174	1,590
<i>Multiplier</i>	<i>157.5</i>	<i>46.8</i>	<i>56.2</i>	<i>55.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Mississippi economy. More than 98 percent of the employment impacts and 97 percent of the output impacts are due to NASA procurement sourced within the state.

Table 265: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Mississippi

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	40.0	0	0.0	2	0.6	100.0	0.0
Indirect	0	0.0	229	73.9	229	72.7	0.0	100.0
Induced	3	60.0	81	26.1	84	26.7	3.6	96.4
Total	5	100	310	100	315	100	1.6	98.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 266: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Mississippi

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	839	67.6	0	0.0	839	1.8	100.0	0.0
Indirect	0	0.0	32,889	73.2	32,889	71.2	0.0	100.0
Induced	403	32.4	12,043	26.8	12,446	27.0	3.2	96.8
Total	1,242	100	44,932	100	46,174	100	2.7	97.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

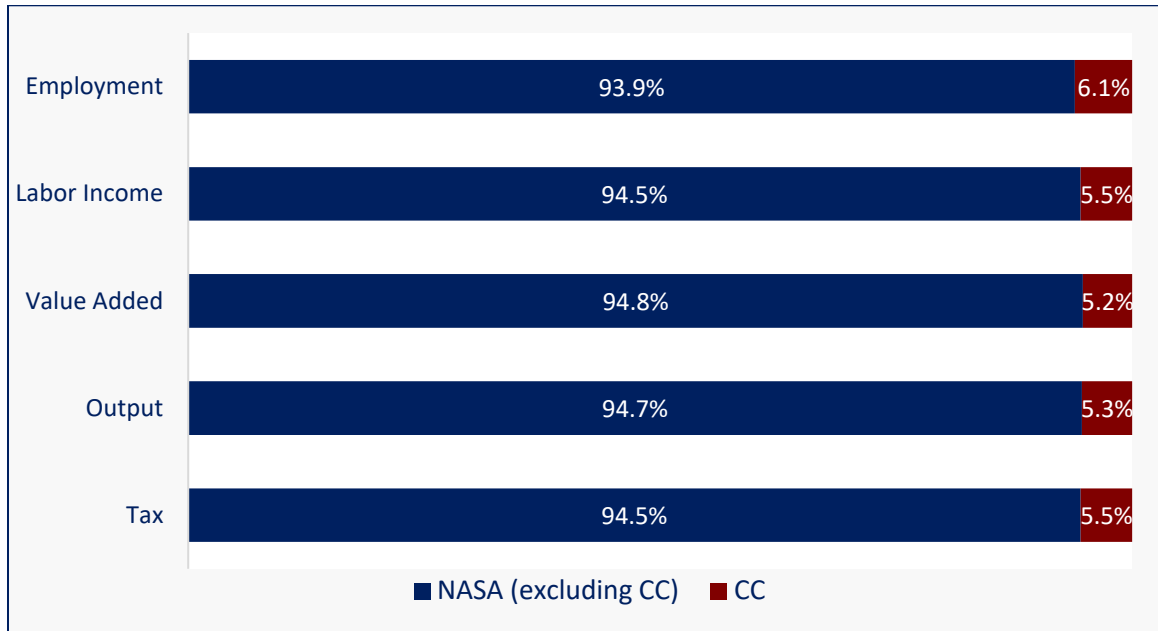
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 6% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 267 and Figure 83). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 267: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Mississippi

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	5,187	265,676	395,300	864,759	29,028
CC Portion	315	14,498	20,623	46,174	1,590
CC Share (%)	6.1%	5.5%	5.2%	5.3%	5.5%

Figure 83: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Mississippi



Economic Impacts on the State of Missouri

NASA Impacts

In 2021, 13 NASA civil service employees (9 FTEs) residing in Missouri earned approximately \$1.2 million in labor income. NASA contracts sourced in Missouri in the same year totaled \$29.8 million. The total economic impact resulting from these activities is 481 jobs, \$31.9 million in labor income, and \$92.8 million in economic output (Table 268).³⁵

Table 268: Summary of NASA Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,156	1,847	4,225	30
Indirect	272	20,469	28,002	55,836	-1,887
Induced	200	10,322	17,777	32,771	1,642
Total	481	31,947	47,626	92,832	-215
<i>Multiplier</i>	53.4	27.6	25.8	22.0	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Missouri economy. Table 269 examines the sources of the employment figures in the second column of Table 268. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 96% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 4%.

³⁵ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Table 269: NASA Employment Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	9	42.9	0	0.0	9	1.9	100.0	0.0
Indirect	0	0.0	272	59.1	272	56.5	0.0	100.0
Induced	12	57.1	188	40.9	200	41.6	6.0	94.0
Total	21	100	460	100	481	100	4.4	95.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 270 examines the sources of the output figures in the fifth column of Table 268. Procurement spending is responsible for more than 93% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 7%.

Table 270: NASA Output Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,225	67.8	0	0.0	4,225	4.6	100.0	0.0
Indirect	0	0.0	55,836	64.5	55,836	60.1	0.0	100.0
Induced	2,011	32.2	30,760	35.5	32,771	35.3	6.1	93.9
Total	6,236	100	86,596	100	92,832	100	6.7	93.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Missouri had four M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$215,000. M2M campaign contracts sourced in the state in the same year totaled \$2.8 million. The total Missouri employment impact is 47 jobs. The labor income and economic output associated with this employment are \$3.3 million and \$9.4 million, respectively. The M2M campaign generates \$291,000 in tax revenues for the state and local governments in Missouri (Table 271).

Table 271: Summary of M2M Campaign Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	215	374	855	5
Indirect	25	2,006	2,713	5,107	114
Induced	20	1,104	1,903	3,426	172
Total	47	3,325	4,990	9,388	291
<i>Multiplier</i>	<i>23.5</i>	<i>15.5</i>	<i>13.3</i>	<i>11.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Missouri economy. More than 91 percent of the employment impacts and nearly 87 percent of the output impacts are due to NASA procurement sourced within the state.

Table 272: M2M Campaign Employment Impacts by Sources of Impact, Missouri

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	50.0	0	0.0	2	4.3	100.0	0.0
Indirect	0	0.0	25	58.1	25	53.2	0.0	100.0
Induced	2	50.0	18	41.9	20	42.6	10.0	90.0
Total	4	100	43	100	47	100	8.5	91.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 273: M2M Campaign Output Impacts by Sources of Impact, Missouri

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	855	68.6	0	0.0	855	9.1	100.0	0.0
Indirect	0	0.0	5,107	62.7	5,107	54.4	0.0	100.0
Induced	392	31.4	3,034	37.3	3,426	36.5	11.4	88.6
Total	1,247	100	8,141	100	9,388	100	13.3	86.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

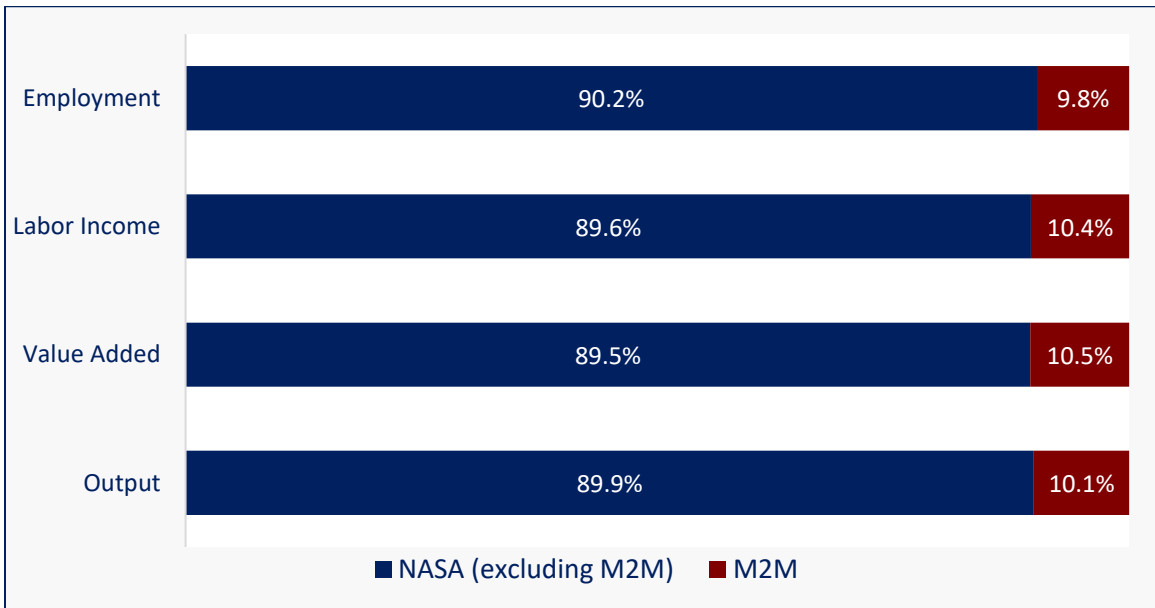
The M2M Campaign’s Share of NASA Impacts

Around 10% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 274 and Figure 84). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 274: The M2M Campaign Portion of Overall NASA Impacts, Missouri

Impact Component	Employment	Labor				Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)		
NASA Total	481	31,947	47,626	92,832	n.a.	
M2M Portion	47	3,325	4,990	9,388	n.a.	
M2M Share (%)	9.8%	10.4%	10.5%	10.1%	n.a.	

Figure 84: The M2M Campaign Portion of Overall NASA Impacts, Missouri



Investments in Climate Change Research and Technology Impacts

In 2021, Missouri had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$40,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$7.9 million. The total Missouri employment impact is 106 jobs. The labor income and economic output associated with this employment are \$6.7 million and \$21.7 million, respectively. The investments in climate change research and technology generate \$684,000 in tax revenues for the state and local governments in Missouri (Table 275).

Table 275: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	40	121	277	1
Indirect	62	4,574	7,170	14,554	338
Induced	43	2,113	3,631	6,890	345
Total	106	6,727	10,922	21,721	684
<i>Multiplier</i>	<i>106.0</i>	<i>168.2</i>	<i>90.3</i>	<i>78.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Missouri economy. More than 99 percent of the employment impacts and 98 percent of the output impacts are due to NASA procurement sourced within the state.

Table 276: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Missouri

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	57.1	0	0.0	1	0.9	100.0	0.0
Indirect	0	0.0	62	59.0	62	58.5	0.0	100.0
Induced	<1	42.9	43	41.0	43	40.6	1.0	99.0
Total	1	100	105	100	106	100	0.9	99.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 277: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Missouri

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	277	80.3	0	0.0	277	1.3	100.0	0.0
Indirect	0	0.0	14,554	68.1	14,554	67.0	0.0	100.0
Induced	68	19.7	6,822	31.9	6,890	31.7	1.0	99.0
Total	345	100	21,376	100	21,721	100	1.6	98.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

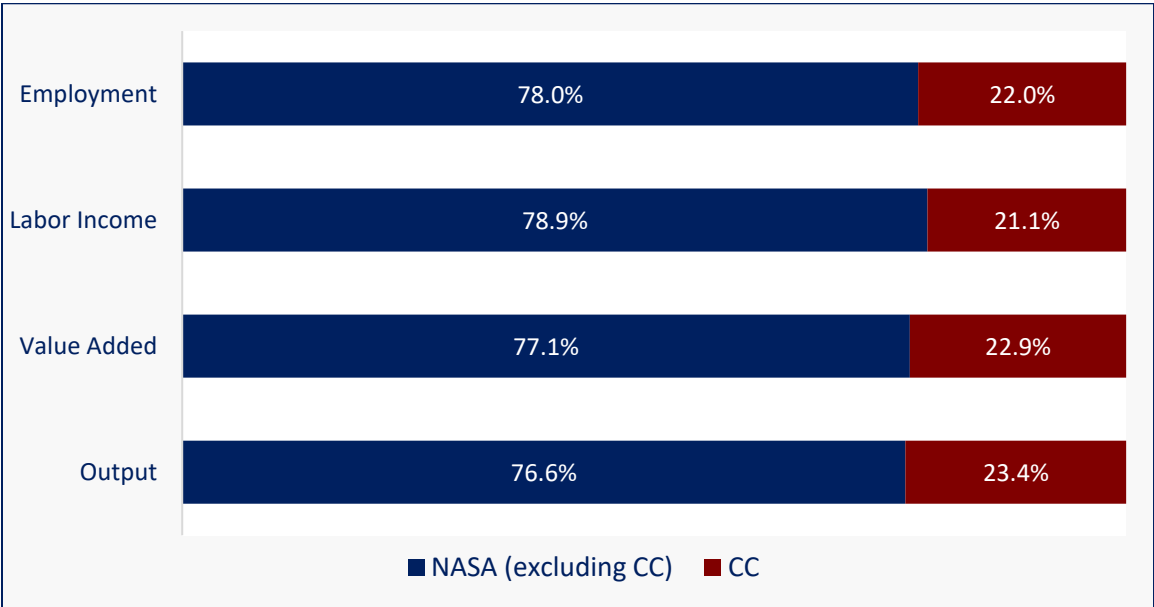
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 222% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 278 and Figure 85). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 278: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Missouri

Impact Component	Employment	Labor			Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	
NASA Total	481	31,947	47,626	92,832	n.a.
CC Portion	106	6,727	10,922	21,721	n.a.
CC Share (%)	22.0%	21.1%	22.9%	23.4%	n.a.

Figure 85: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Missouri



Economic Impacts on the State of Montana

NASA Impacts

In 2021, three NASA civil service employees (2 FTEs) residing in Montana earned \$185,000 in labor income. NASA contracts sourced in Montana in the same year totaled \$9.7 million. The total economic impact resulting from these activities is 152 jobs, \$7.7 million in labor income, and \$24.3 million in economic output. These economic activities generate \$686,000 in tax revenues for the state and local governments in Montana (Table 279).

Table 279: Summary of NASA Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	185	354	810	5
Indirect	102	5,310	7,211	16,407	369
Induced	48	2,178	3,597	7,072	312
Total	152	7,673	11,162	24,289	686
<i>Multiplier</i>	<i>76.0</i>	<i>41.5</i>	<i>31.5</i>	<i>30.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Montana economy. Table 280 examines the sources of the employment figures in the second column of Table 279. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 97 percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 3%.

Table 280: NASA Employment Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	50.0	0	0.0	2	1.3	100.0	0.0
Indirect	0	0.0	102	68.9	102	67.1	0.0	100.0
Induced	2	50.0	46	31.1	48	31.6	4.2	95.8
Total	4	100	148	100	152	100	2.6	97.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 281 examines the sources of the output figures in the fifth column of Table 279. Procurement spending is responsible for nearly 96 percent of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is around 4%.

Table 281: NASA Output Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	810	75.5	0	0.0	810	3.3	100.0	0.0
Indirect	0	0.0	16,407	70.7	16,407	67.5	0.0	100.0
Induced	263	24.5	6,809	29.3	7,072	29.1	3.7	96.3
Total	1,073	100	23,216	100	24,289	100	4.4	95.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Montana in FY 2021, but \$1.1 million in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 19 jobs, \$834,000 in labor income, and \$2.5 million worth of output. These economic activities generate \$81,000 in tax revenues for the state and local governments in Montana (Table 282).

Table 282: Summary of M2M Campaign Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	14	593	901	1,775	47
Induced	5	241	396	761	34
Total	19	834	1,297	2,536	81
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

The M2M Campaign’s Share of NASA Impacts

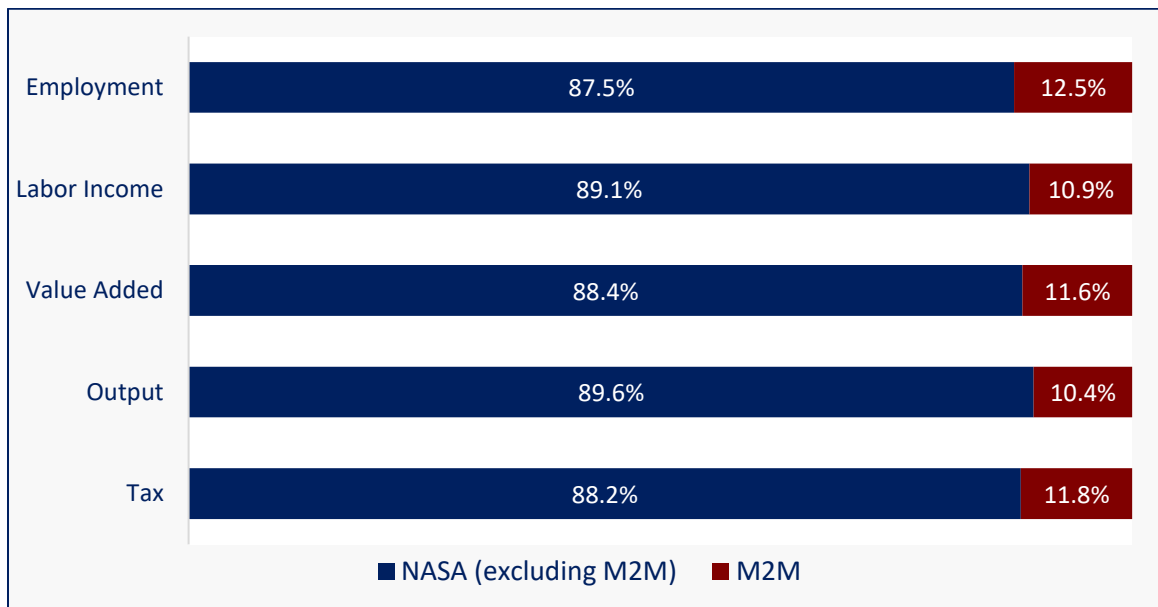
Around 11% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 283 and Figure 86). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending

in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 283: The M2M Campaign Portion of Overall NASA Impacts, Montana

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	152	7,673	11,162	24,289	686
M2M Portion	19	834	1,297	2,536	81
M2M Share (%)	12.5%	10.9%	11.6%	10.4%	11.8%

Figure 86: The M2M Campaign Portion of Overall NASA Impacts, Montana



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Montana in FY 2021, but \$3.7 million in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 57 jobs, \$2.8 million in labor income, and \$9.1 million worth of output. These economic activities generate \$257,000 in tax revenues for the state and local governments in Montana (Table 284).

Table 284: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	39	2,028	2,755	6,441	141
Induced	18	790	1,301	2,623	116
Total	57	2,818	4,056	9,064	257
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

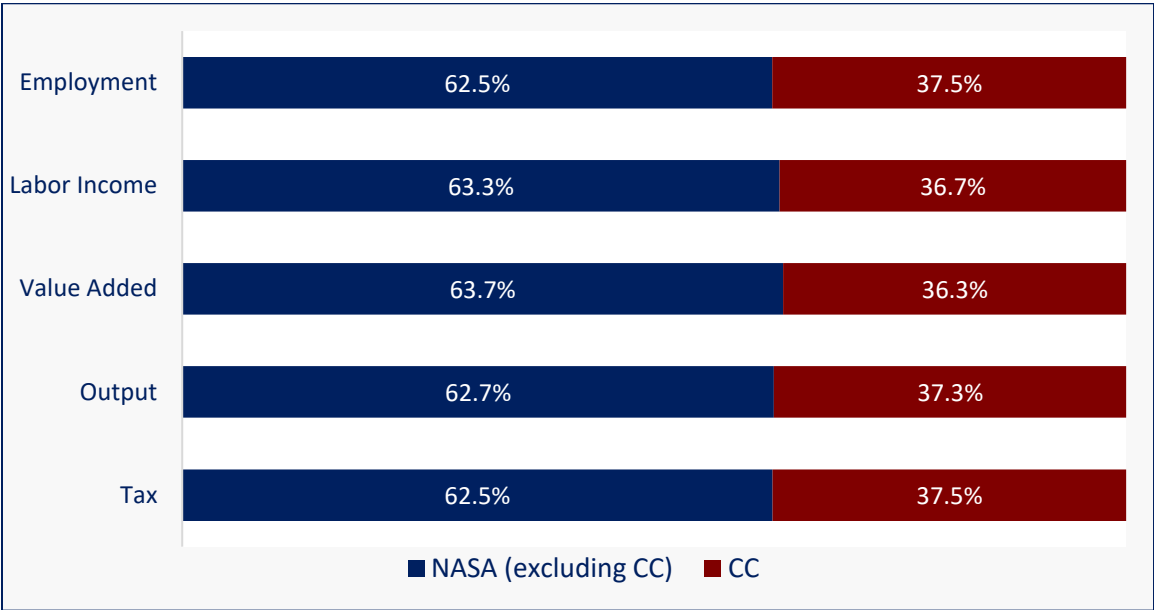
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 37% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 285 and Figure 87). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 285: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Montana

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	152	7,673	11,162	24,289	686
CC Portion	57	2,818	4,056	9,064	257
CC Share (%)	37.5%	36.7%	36.3%	37.3%	37.5%

Figure 87: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Montana



Economic Impacts on the State of Nebraska

NASA Impacts

In 2021, six NASA civil service employees (2 FTEs) residing in Nebraska earned \$330,000 in labor income. NASA contracts sourced in Nebraska in the same year totaled \$3.1 million. The total economic impact resulting from these activities is 40 jobs, \$2.7 million in labor income, and \$8.6 million in economic output. These economic activities generate \$273,000 in tax revenues for the state and local governments in Nebraska (Table 286).

Table 286: Summary of NASA Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	330	499	1,141	8
Indirect	23	1,628	2,579	4,911	135
Induced	15	776	1,387	2,546	130
Total	40	2,734	4,465	8,598	273
<i>Multiplier</i>	<i>20.0</i>	<i>8.3</i>	<i>8.9</i>	<i>7.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Nebraska economy. Table 287 examines the sources of the employment figures in the second column of Table 286. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 87% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is nearly 13%.

Table 287: NASA Employment Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	40.0	0	0.0	2	5.0	100.0	0.0
Indirect	0	0.0	23	65.7	23	57.5	0.0	100.0
Induced	3	60.0	12	34.3	15	37.5	20.0	80.0
Total	5	100	35	100	40	100	12.5	87.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 288 examines the sources of the output figures in the fifth column of Table 286. Procurement spending is responsible for nearly 81% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 19%.

Table 288: NASA Output Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,141	69.3	0	0.0	1,141	13.3	100.0	0.0
Indirect	0	0.0	4,911	70.7	4,911	57.1	0.0	100.0
Induced	506	30.7	2,040	29.3	2,546	29.6	19.9	80.1
Total	1,647	100	6,951	100	8,598	100	19.2	80.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Nebraska had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of \$16,000. M2M campaign contracts sourced in the state in the same year totaled \$50,000. The total Nebraska employment impact is 1 job. The labor income and economic output associated with this employment are \$59,000 and \$224,000, respectively. These economic activities generate \$4,000 in tax revenues for the state and local governments in Nebraska (Table 289).

Table 289: Summary of M2M Campaign Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	16	37	84	<1
Indirect	<1	25	42	84	2
Induced	<1	18	31	56	2
Total	1	59	110	224	4
<i>Multiplier</i>	<i>4.4</i>	<i>3.7</i>	<i>3.0</i>	<i>2.7</i>	<i>n.a.</i>

The following two tables examine the contribution of different NASA activities to the Nebraska economy. Nearly 57 percent of the employment impacts and nearly 51 percent of the output impacts are due to NASA procurement sourced within the state.

Table 290: M2M Campaign Employment Impacts by Sources of Impact, Nebraska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	52.6	0	0.0	<1	22.8	100.0	0.0
Indirect	0	0.0	<1	59.7	<1	33.8	0.0	100.0
Induced	<1	47.4	<1	40.3	<1	43.4	47.4	52.6
Total	<1	100	<1	100	1	100	43.4	56.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 291: M2M Campaign Output Impacts by Sources of Impact, Nebraska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	84	76.4	0	0.0	84	37.5	100.0	0.0
Indirect	0	0.0	84	73.7	84	37.5	0.0	100.0
Induced	26	23.6	30	26.3	56	25.0	46.4	53.6
Total	110	100	114	100	224	100	49.1	50.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

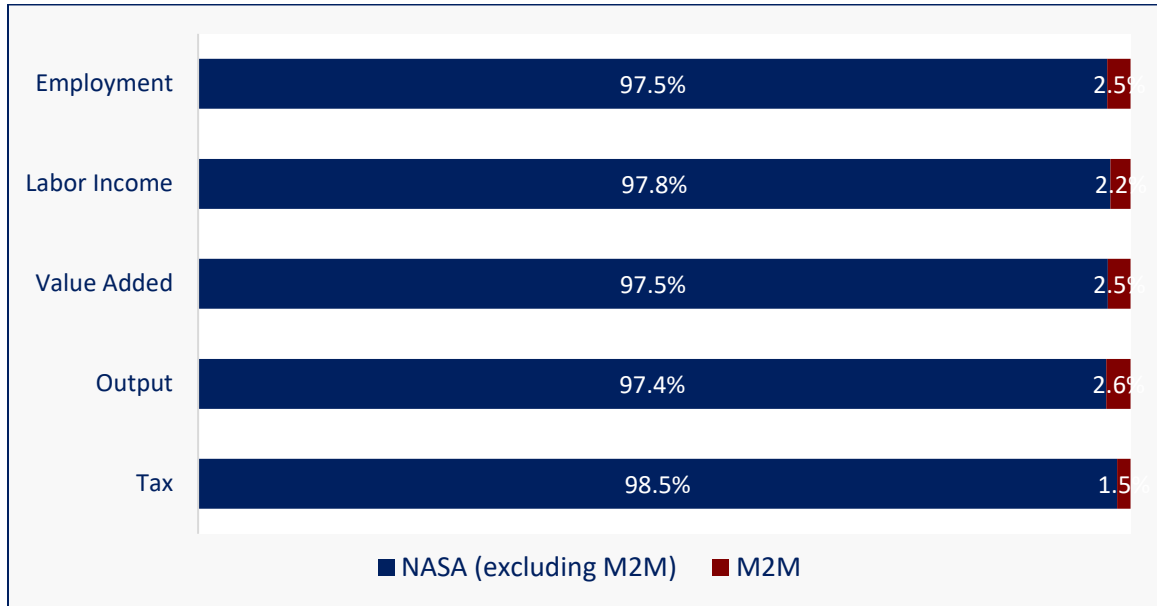
The M2M Campaign’s Share of NASA Impacts

Around 2% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 292 and Figure 88).

Table 292: The M2M Campaign Portion of Overall NASA Impacts, Nebraska

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	40	2,734	4,465	8,598	273
M2M Portion	1	59	110	224	4
M2M Share (%)	2.5%	2.2%	2.5%	2.6%	1.5%

Figure 88: The M2M Campaign Portion of Overall NASA Impacts, Nebraska



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Nebraska in FY 2021, but \$677,000 in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is seven jobs, \$454,000 in labor income, and \$1.5 million worth of output. These economic activities generate \$48,000 in tax revenues for the state and local governments in Nebraska (Table 293).

Table 293: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	4	330	519	1,089	27
Induced	3	124	221	413	21
Total	7	454	740	1,502	48
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

The Investments in Climate Change Research and Technology’s Share of NASA Impacts

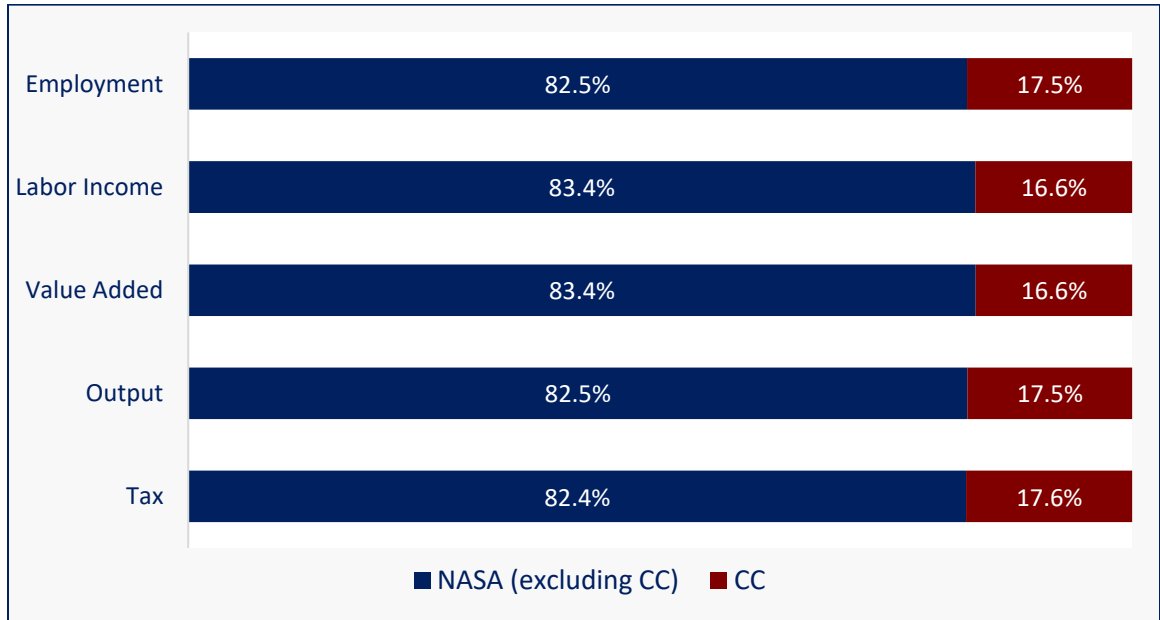
Around 17% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 294 and Figure 89). The primary reason the shares are slightly different is that the sectoral distribution of

procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 294: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Nebraska

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	40	2,734	4,465	8,598	273
CC Portion	7	454	740	1,502	48
CC Share (%)	17.5%	16.6%	16.6%	17.5%	17.6%

Figure 89: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Nebraska



Economic Impacts on the State of Nevada

NASA Impacts

In 2021, nine NASA civil service employees (7 FTEs) residing in Nevada earned \$1 million in labor income. NASA contracts sourced in Nevada in the same year totaled \$42.2 million. The total economic impact resulting from these activities is 681 jobs, \$34.2 million in labor income, and \$118.3 million in economic output (Table 295).³⁶

Table 295: Summary of NASA Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,041	1,499	3,429	9
Indirect	502	24,419	33,424	85,499	-3,492
Induced	172	8,766	17,194	29,398	1,916
Total	681	34,226	52,117	118,326	-1,567
<i>Multiplier</i>	<i>97.3</i>	<i>32.9</i>	<i>34.8</i>	<i>34.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Nevada economy. Table 296 examines the sources of the employment figures in the second column of Table 295. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 98% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 2%.

Table 296: NASA Employment Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	7	46.7	0	0.0	7	1.0	100.0	0.0
Indirect	0	0.0	502	75.4	502	73.7	0.0	100.0
Induced	8	53.3	164	24.6	172	25.3	4.7	95.3
Total	15	100	666	100	681	100	2.2	97.8

³⁶ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 297 examines the sources of the output figures in the fifth column of Table 295. Procurement spending is responsible for nearly 96% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 4%.

Table 297: NASA Output Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,429	70.6	0	0.0	3,429	2.9	100.0	0.0
Indirect	0	0.0	85,499	75.4	85,499	72.3	0.0	100.0
Induced	1,430	29.4	27,968	24.6	29,398	24.8	4.9	95.1
Total	4,859	100	113,467	100	118,326	100	4.1	95.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Nevada in FY 2021, but \$1.8 million in M2M-related NASA contracts were sourced in the state.³⁷ The total economic impact attributable to this procurement activity is 24 jobs, \$1.6 million in labor income, and \$4.6 million worth of output. These economic activities generate \$152,000 in tax revenues for the state and local governments in Nevada (Table 298).

Table 298: Summary of M2M Campaign Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	16	1,167	1,672	3,176	59
Induced	8	436	856	1,434	93
Total	24	1,603	2,528	4,610	152
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

The M2M Campaign’s Share of NASA Impacts

Around 4% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 299 and Figure 90). The primary reason the shares are slightly different

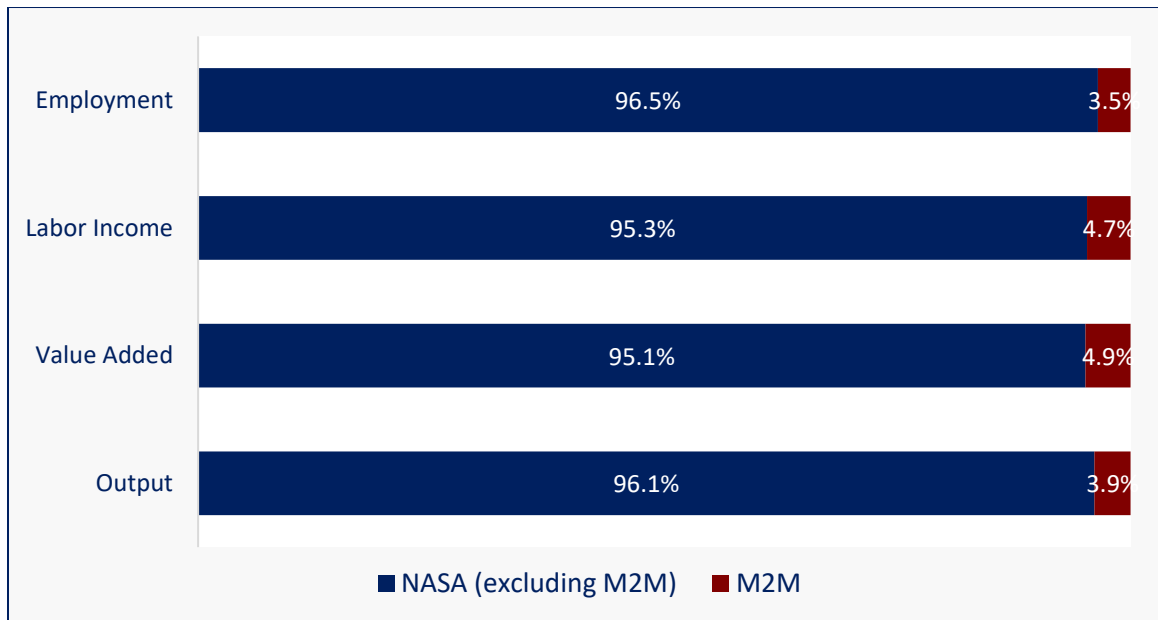
³⁷ Negative labor income of -\$676 is reported for Nevada in FY 2021. We did not calculate multipliers or tax impacts associated with this figure.

is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 299: The M2M Campaign Portion of Overall NASA Impacts, Nevada

Impact Component	Employment	Labor				Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)		
NASA Total	681	34,226	52,117	118,326	n.a.	
M2M Portion	24	1,603	2,528	4,610	n.a.	
M2M Share (%)	3.5%	4.7%	4.9%	3.9%	n.a.	

Figure 90: The M2M Campaign Portion of Overall NASA Impacts, Nevada



Investments in Climate Change Research and Technology Impacts

In 2021, Nevada had three climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$235,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$3 million. The total Nevada employment impact is 46 jobs. The labor income and economic output associated with this employment are \$2.7 million and \$8.1 million, respectively. The investments in climate change research and technology generate \$263,000 in tax revenues for the state and local governments in Nevada (Table 300).

Table 300: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	235	371	849	2
Indirect	29	1,748	2,694	4,723	98
Induced	15	728	1,424	2,487	163
Total	46	2,711	4,489	8,059	263
<i>Multiplier</i>	23.0	11.5	12.1	9.5	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Nevada economy. More than 91 percent of the employment impacts and nearly 86 percent of the output impacts are due to NASA procurement sourced within the state.

Table 301: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Nevada

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	50.0	0	0.0	2	4.3	100.0	0.0
Indirect	0	0.0	29	69.0	29	63.0	0.0	100.0
Induced	2	50.0	13	31.0	15	32.6	13.3	86.7
Total	4	100	42	100	46	100	8.7	91.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 302: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Nevada

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	849	72.9	0	0.0	849	10.5	100.0	0.0
Indirect	0	0.0	4,723	68.5	4,723	58.6	0.0	100.0
Induced	316	27.1	2,171	31.5	2,487	30.9	12.7	87.3
Total	1,165	100	6,894	100	8,059	100	14.5	85.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

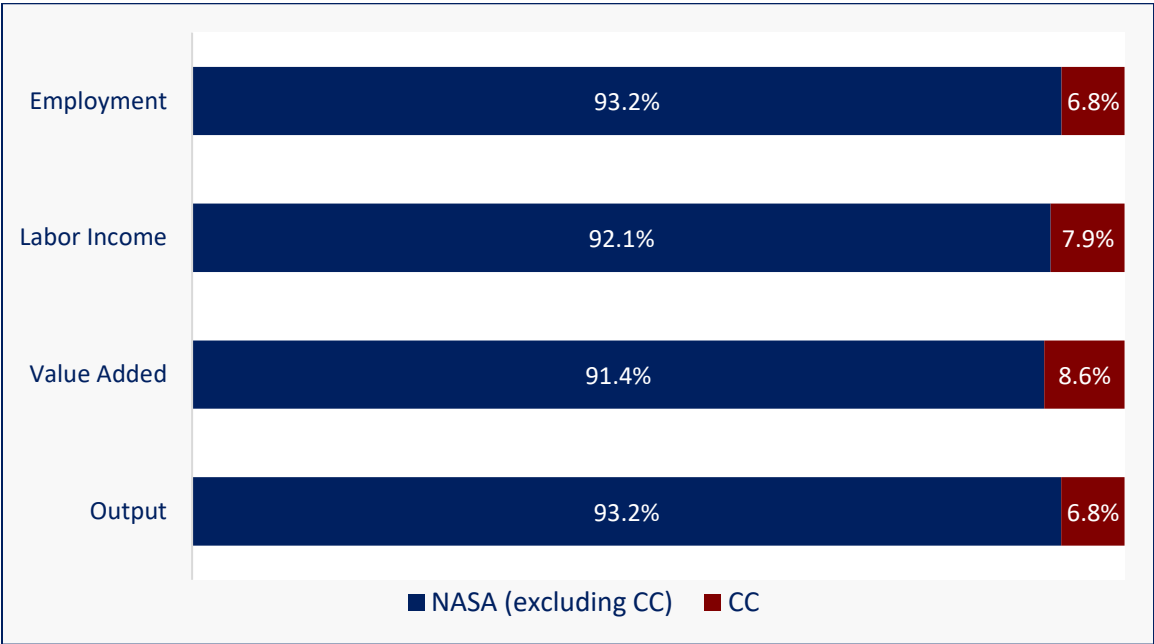
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 8% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 303 and Figure 91). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 303: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Nevada

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	681	34,226	52,117	118,326	n.a.
CC Portion	46	2,711	4,489	8,059	n.a.
CC Share (%)	6.8%	7.9%	8.6%	6.8%	n.a.

Figure 91: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Nevada



Economic Impacts on the State of New Hampshire

NASA Impacts

In 2021, five NASA civil service employees (3 FTEs) residing in New Hampshire earned \$521,000 in labor income. NASA contracts sourced in New Hampshire in the same year totaled \$33.5 million. The total economic impact resulting from these activities is 454 jobs, \$33.1 million in labor income, and \$88.0 million in economic output. These economic activities generate \$3.4 million in tax revenues for the state and local governments in New Hampshire (Table 304).

Table 304: Summary of NASA Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	521	712	1,629	3
Indirect	267	21,688	30,434	55,895	1,703
Induced	184	10,905	18,437	30,518	1,648
Total	454	33,114	49,583	88,042	3,354
<i>Multiplier</i>	<i>151.3</i>	<i>63.6</i>	<i>69.6</i>	<i>54.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Hampshire economy. Table 305 examines the sources of the employment figures in the second column of Table 304. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-eight (98) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 2%.

Table 305: NASA Employment Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	3	37.5	0	0.0	3	0.7	100.0	0.0
Indirect	0	0.0	267	59.9	267	58.8	0.0	100.0
Induced	5	62.5	179	40.1	184	40.5	2.7	97.3
Total	8	100	446	100	454	100	1.8	98.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 306 examines the sources of the output figures in the fifth column of Table 304. Procurement spending is responsible for 97% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 3%.

Table 306: NASA Output Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,629	67.0	0	0.0	1,629	1.9	100.0	0.0
Indirect	0	0.0	55,895	65.3	55,895	63.5	0.0	100.0
Induced	804	33.0	29,714	34.7	30,518	34.7	2.6	97.4
Total	2,433	100	85,609	100	88,042	100	2.8	97.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, New Hampshire had one M2M campaign -related civil service employees (<1 FTE) with a corresponding labor income of \$1,000. M2M campaign contracts sourced in the state in the same year totaled \$1.8 million. The total New Hampshire employment impact is 21 jobs. The labor income and economic output associated with this employment are \$1.7 million and \$4.3 million, respectively. The M2M campaign generates \$168,000 in tax revenues for the state and local governments in New Hampshire (Table 307).

Table 307: Summary of M2M Campaign Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	1	1	2	<1
Indirect	12	1,143	1,529	2,789	85
Induced	9	563	952	1,540	83
Total	21	1,707	2,482	4,331	168
<i>Multiplier</i>	<i>4103.4</i>	<i>1707.0</i>	<i>2482.0</i>	<i>2165.5</i>	<i>n.a.</i>

The following two tables examine the contribution of different NASA activities to the New Hampshire economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 308: M2M Campaign Employment Impacts by Sources of Impact, New Hampshire

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	39.6	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	12	57.1	12	57.1	0.0	100.0
Induced	<1	60.4	9	42.9	9	42.8	0.1	99.9
Total	<1	100	21	100	21	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 309: M2M Campaign Output Impacts by Sources of Impact, New Hampshire

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	2	66.7	0	0.0	2	0.0	100.0	0.0
Indirect	0	0.0	2,789	64.4	2,789	64.4	0.0	100.0
Induced	1	33.3	1,539	35.6	1,540	35.6	0.1	99.9
Total	3	100	4,328	100	4,331	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

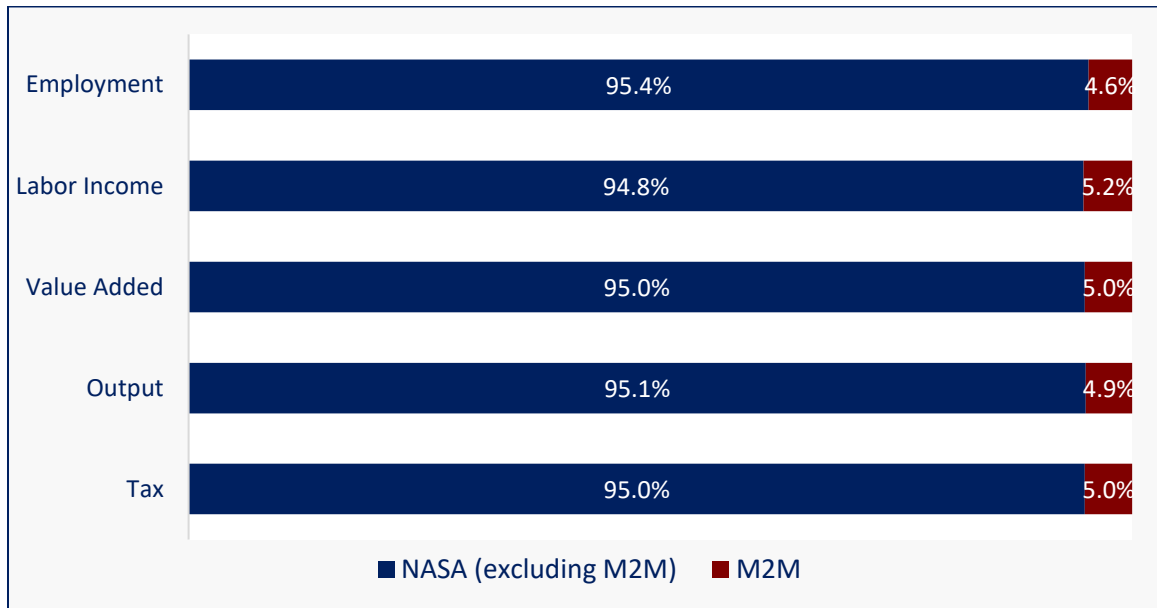
The M2M Campaign’s Share of NASA Impacts

Around 5% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 310 and Figure 92).

Table 310: The M2M Campaign Portion of Overall NASA Impacts, New Hampshire

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	454	33,114	49,583	88,042	3,354
M2M Portion	21	1,707	2,482	4,331	168
M2M Share (%)	4.6%	5.2%	5.0%	4.9%	5.0%

Figure 92: The M2M Campaign Portion of Overall NASA Impacts, New Hampshire



Investments in Climate Change Research and Technology Impacts

In 2021, New Hampshire had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$38,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$13.3 million. The total New Hampshire employment impact is 185 jobs. The labor income and economic output associated with this employment are \$12.8 million and \$34.2 million, respectively. The investments in climate change research and technology generate \$1.3 million in tax revenues for the state and local governments in New Hampshire (Table 311).

Table 311: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	38	50	115	<1
Indirect	111	8,573	12,013	22,147	683
Induced	74	4,172	7,040	11,936	644
Total	185	12,783	19,103	34,198	1,327
<i>Multiplier</i>	<i>781.4</i>	<i>336.4</i>	<i>382.1</i>	<i>297.4</i>	<i>n.a.</i>

The following two tables examine the contribution of different NASA activities to the New Hampshire economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 312: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, New Hampshire

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	40.1	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	111	60.3	111	59.9	0.0	100.0
Induced	<1	59.9	74	40.2	74	40.0	0.5	99.5
Total	<1	100	184	100	185	100	0.3	99.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 313: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, New Hampshire

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	115	66.9	0	0.0	115	0.3	100.0	0.0
Indirect	0	0.0	22,147	65.1	22,147	64.8	0.0	100.0
Induced	57	33.1	11,879	34.9	11,936	34.9	0.5	99.5
Total	172	100	34,026	100	34,198	100	0.5	99.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

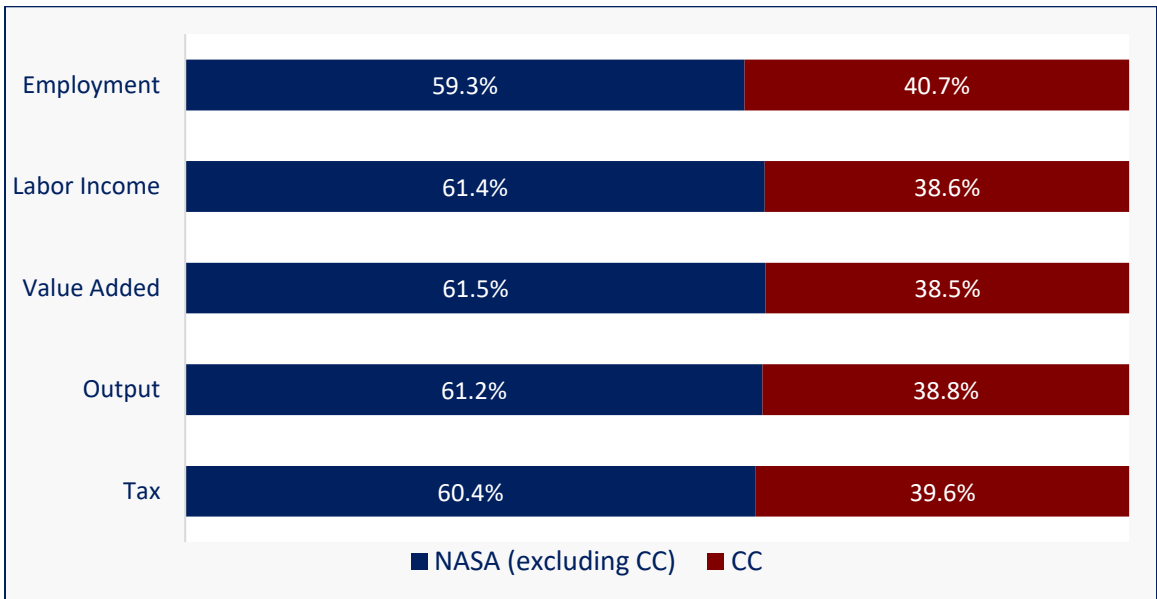
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 39% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 314 and Figure 93). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 314: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Hampshire

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	454	33,114	49,583	88,042	3,354
CC Portion	185	12,783	19,103	34,198	1,327
CC Share (%)	40.7%	38.6%	38.5%	38.8%	39.6%

Figure 93: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Hampshire



Economic Impacts on the State of New Jersey

NASA Impacts

In 2021, 32 NASA civil service employees (16 FTEs) residing in New Jersey earned nearly \$2.4 million in labor income. NASA contracts sourced in New Jersey in the same year totaled \$36.9 million. The total economic impact resulting from these activities is 486 jobs, \$43.5 million in labor income, and \$108.9 million in economic output. These economic activities generate \$5.5 million in tax revenues for the state and local governments in New Jersey (Table 315).

Table 315: Summary of NASA Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	16	2,389	3,355	7,675	64
Indirect	256	26,533	39,444	61,203	2,613
Induced	214	14,574	24,083	40,030	2,817
Total	486	43,496	66,882	108,908	5,494
<i>Multiplier</i>	<i>30.4</i>	<i>18.2</i>	<i>19.9</i>	<i>14.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Jersey economy. Table 316 examines the sources of the employment figures in the second column of Table 315. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 92% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 8%.

Table 316: NASA Employment Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	16	43.2	0	0.0	16	3.3	100.0	0.0
Indirect	0	0.0	256	57.0	256	52.7	0.0	100.0
Induced	21	56.8	193	43.0	214	44.0	9.8	90.2
Total	37	100	449	100	486	100	7.6	92.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 317 examines the sources of the output figures in the fifth column of Table 315. Procurement spending is responsible for more than 89% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 11%.

Table 317: NASA Output Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	7,675	66.4	0	0.0	7,675	7.0	100.0	0.0
Indirect	0	0.0	61,203	62.9	61,203	56.2	0.0	100.0
Induced	3,876	33.6	36,154	37.1	40,030	36.8	9.7	90.3
Total	11,551	100	97,357	100	108,908	100	10.6	89.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, New Jersey had four M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$165,000. M2M campaign contracts sourced in the state in the same year totaled \$8.2 million. The total New Jersey employment impact is 61 jobs. The labor income and economic output associated with this employment are \$7.2 million and \$19.0 million, respectively. The M2M campaign generates \$978,000 in tax revenues for the state and local governments in New Jersey (Table 318).

Table 318: Summary of M2M Campaign Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	165	360	824	4
Indirect	26	4,714	10,776	12,019	540
Induced	33	2,326	3,743	6,170	434
Total	61	7,205	14,879	19,013	978
<i>Multiplier</i>	<i>30.5</i>	<i>43.7</i>	<i>41.3</i>	<i>23.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Jersey economy. Ninety-five (95) percent of the employment impacts and ninety-four (94) percent of the output impacts are due to NASA procurement sourced within the state.

Table 319: M2M Campaign Employment Impacts by Sources of Impact, New Jersey

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	66.7	0	0.0	2	3.3	100.0	0.0
Indirect	0	0.0	26	44.8	26	42.6	0.0	100.0
Induced	1	33.3	32	55.2	33	54.1	3.0	97.0
Total	3	100	58	100	61	100	4.9	95.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 320: M2M Campaign Output Impacts by Sources of Impact, New Jersey

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	824	74.4	0	0.0	824	4.3	100.0	0.0
Indirect	0	0.0	12,019	67.1	12,019	63.2	0.0	100.0
Induced	284	25.6	5,886	32.9	6,170	32.5	4.6	95.4
Total	1,108	100	17,905	100	19,013	100	5.8	94.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

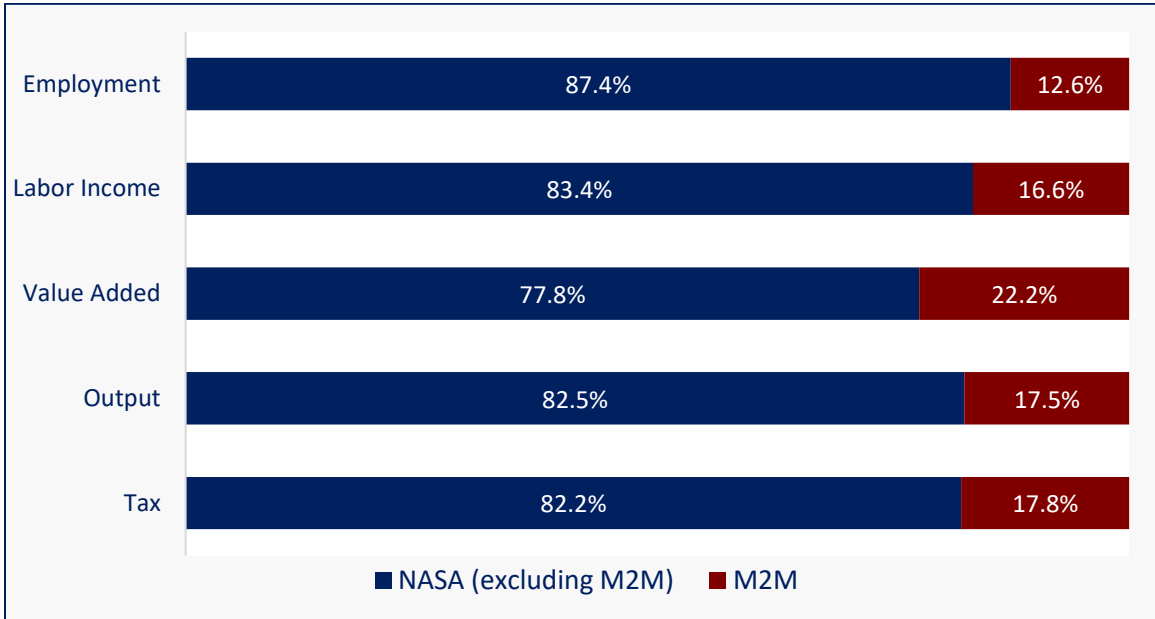
The M2M Campaign’s Share of NASA Impacts

Around 17% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 321 and Figure 94). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 321: The M2M Campaign Portion of Overall NASA Impacts, New Jersey

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	486	43,496	66,882	108,908	5,494
M2M Portion	61	7,205	14,879	19,013	978
M2M Share (%)	12.6%	16.6%	22.2%	17.5%	17.8%

Figure 94: The M2M Campaign Portion of Overall NASA Impacts, New Jersey



Investments in Climate Change Research and Technology Impacts

In 2021, New Jersey had seven climate change research and technology-related civil service employees (3 FTEs) with a corresponding labor income of \$537,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$5.4 million. The total New Jersey employment impact is 83 jobs. The labor income and economic output associated with this employment are \$6.7 million and \$17.1 million, respectively. The investments in climate change research and technology generate \$825,000 in tax revenues for the state and local governments in New Jersey (Table 322).

Table 322: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	537	684	1,566	14
Indirect	45	3,908	5,380	9,072	359
Induced	35	2,297	3,783	6,426	452
Total	83	6,742	9,847	17,064	825
<i>Multiplier</i>	<i>27.7</i>	<i>12.6</i>	<i>14.4</i>	<i>10.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Jersey economy. More than 90 percent of the employment impacts and nearly 86 percent of the output impacts are due to NASA procurement sourced within the state.

Table 323: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, New Jersey

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	3	37.5	0	0.0	3	3.6	100.0	0.0
Indirect	0	0.0	45	60.0	45	54.2	0.0	100.0
Induced	5	62.5	30	40.0	35	42.2	14.3	85.7
Total	8	100	75	100	83	100	9.6	90.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 324: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, New Jersey

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,566	64.8	0	0.0	1,566	9.2	100.0	0.0
Indirect	0	0.0	9,072	61.9	9,072	53.2	0.0	100.0
Induced	850	35.2	5,576	38.1	6,426	37.7	13.2	86.8
Total	2,416	100	14,648	100	17,064	100	14.2	85.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

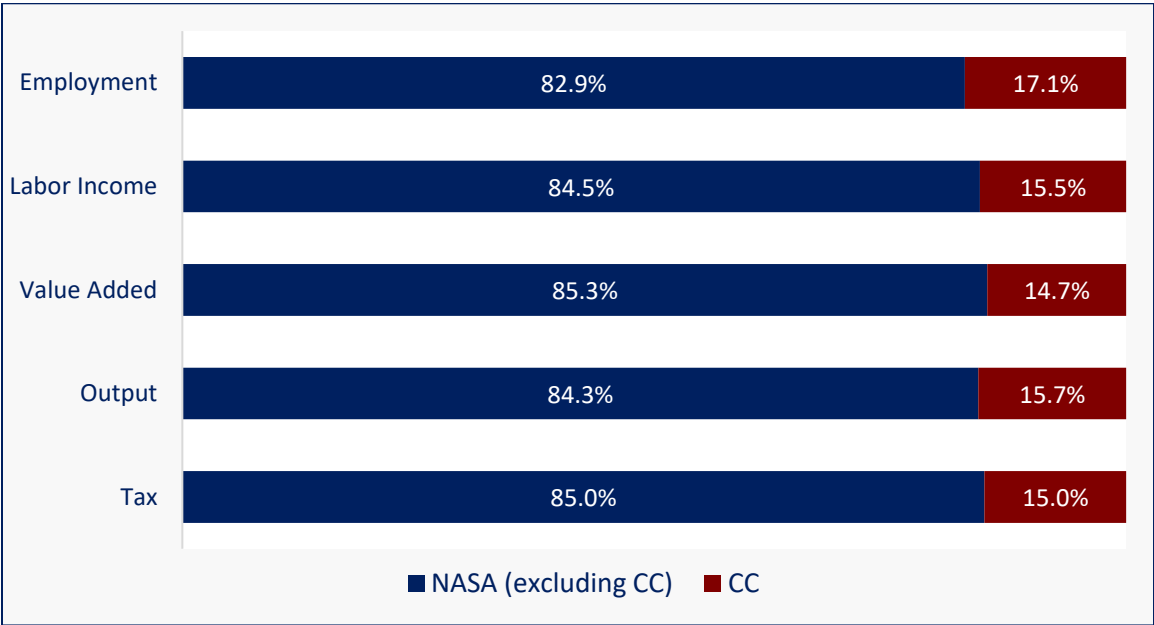
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 16% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 325 and Figure 95). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 325: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Jersey

Impact Component	Employment	Labor			Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)			
NASA Total	486	43,496	66,882	108,908	5,494	
CC Portion	83	6,742	9,847	17,064	825	
CC Share (%)	17.1%	15.5%	14.7%	15.7%	15.0%	

Figure 95: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Jersey



Economic Impacts on the State of New Mexico

NASA Impacts

In 2021, 83 NASA civil service employees (77 FTEs) residing in New Mexico earned \$13.1 million in labor income. NASA contracts sourced in New Mexico in the same year totaled more than \$59.5 million. The total economic impact resulting from these activities is 855 jobs, \$52.5 million in labor income, and \$177.8 million in economic output. These economic activities generate \$2.2 million in tax revenues for the state and local governments in New Mexico (Table 326).

Table 326: Summary of NASA Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	77	13,103	16,422	37,570	256
Indirect	470	26,173	41,246	92,877	-878
Induced	308	13,197	25,342	47,346	2,784
Total	855	52,473	83,010	177,793	2,162
<i>Multiplier</i>	<i>11.1</i>	<i>4.0</i>	<i>5.1</i>	<i>4.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Mexico economy. Table 327 examines the sources of the employment figures in the second column of Table 326. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 78% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 22%.

Table 327: NASA Employment Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	77	40.3	0	0.0	77	9.0	100.0	0.0
Indirect	0	0.0	470	70.8	470	55.0	0.0	100.0
Induced	114	59.7	194	29.2	308	36.0	37.0	63.0
Total	191	100	664	100	855	100	22.3	77.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 328 examines the sources of the output figures in the fifth column of Table 326. Procurement spending is responsible for 69% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 31%.

Table 328: NASA Output Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	37,570	68.2	0	0.0	37,570	21.1	100.0	0.0
Indirect	0	0.0	92,877	75.7	92,877	52.2	0.0	100.0
Induced	17,483	31.8	29,863	24.3	47,346	26.6	36.9	63.1
Total	55,053	100	122,740	100	177,793	100	31.0	69.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, New Mexico had 19 M2M-related civil service employees (5 FTEs) with a corresponding labor income of \$822,000. M2M campaign contracts sourced in the state in the same year totaled more than \$3.7 million. The total New Mexico employment impact is 61 jobs. The labor income and economic output associated with this employment are \$4.3 million and \$12.2 million, respectively. The M2M campaign generates \$391,000 in tax revenues for the state and local governments in New Mexico (Table 329).

Table 329: Summary of M2M Campaign Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	822	1,081	2,473	16
Indirect	31	2,375	3,071	5,830	146
Induced	25	1,114	2,131	3,896	229
Total	61	4,311	6,283	12,199	391
<i>Multiplier</i>	<i>12.2</i>	<i>5.2</i>	<i>5.8</i>	<i>4.9</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of

intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Mexico economy. More than 80 percent of the employment impacts and more than 70 percent of the output impacts are due to NASA procurement sourced within the state.

Table 330: M2M Campaign Employment Impacts by Sources of Impact, New Mexico

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	5	41.7	0	0.0	5	8.2	100.0	0.0
Indirect	0	0.0	31	63.3	31	50.8	0.0	100.0
Induced	7	58.3	18	36.7	25	41.0	28.0	72.0
Total	12	100	49	100	61	100	19.7	80.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 331: M2M Campaign Output Impacts by Sources of Impact, New Mexico

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	2,473	68.5	0	0.0	2,473	20.3	100.0	0.0
Indirect	0	0.0	5,830	67.9	5,830	47.8	0.0	100.0
Induced	1,135	31.5	2,761	32.1	3,896	31.9	29.1	70.9
Total	3,608	100	8,591	100	12,199	100	29.6	70.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

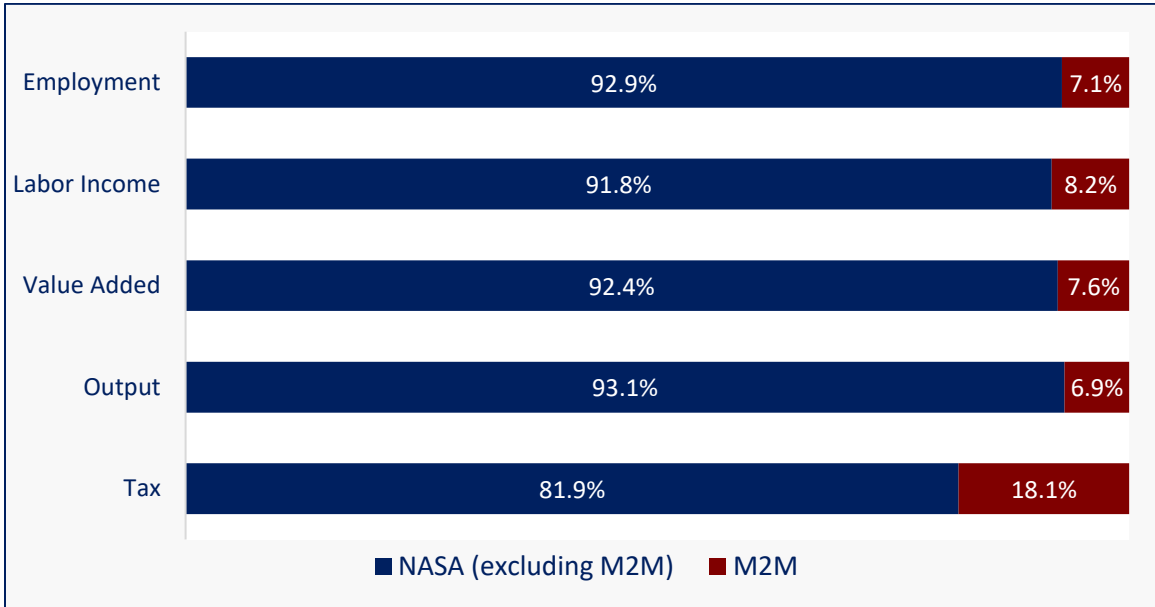
The M2M Campaign's Share of NASA Impacts

Around 10% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 332 and Figure 96). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 332: The M2M Campaign Portion of Overall NASA Impacts, New Mexico

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	855	52,473	83,010	177,793	2,162
M2M Portion	61	4,311	6,283	12,199	391
M2M Share (%)	7.1%	8.2%	7.6%	6.9%	18.1%

Figure 96: The M2M Campaign Portion of Overall NASA Impacts, New Mexico



Investments in Climate Change Research and Technology Impacts

In 2021, New Mexico had two climate change research and technology-related civil service employees (<1 FTE) with a corresponding labor income of \$11,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$7.4 million. The total New Mexico employment impact is 91 jobs. The labor income and economic output associated with this employment are \$4.6 million and \$15.6 million, respectively. The investments in climate change research and technology generate \$196,000 in tax revenues for the state and local governments in New Mexico (Table 333).

Table 333: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	11	15	34	<1
Indirect	64	3,415	5,236	11,377	-50
Induced	27	1,135	2,206	4,180	246
Total	91	4,561	7,457	15,591	196
<i>Multiplier</i>	<i>1316.3</i>	<i>414.6</i>	<i>497.1</i>	<i>458.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New Mexico economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 334: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, New Mexico

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	Climate Change Emp.	Climate Change Proc.
Direct	<1	43.0	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	64	70.3	64	70.3	0.0	100.0
Induced	<1	57.0	27	29.7	27	29.6	0.3	99.7
Total	<1	100	91	100	91	100	0.2	99.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 335: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, New Mexico

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	Climate Change Emp.	Climate Change Proc.
Direct	34	70.8	0	0.0	34	0.2	100.0	0.0
Indirect	0	0.0	11,377	73.2	11,377	73.0	0.0	100.0
Induced	14	29.2	4,166	26.8	4,180	26.8	0.3	99.7
Total	48	100	15,543	100	15,591	100	0.3	99.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

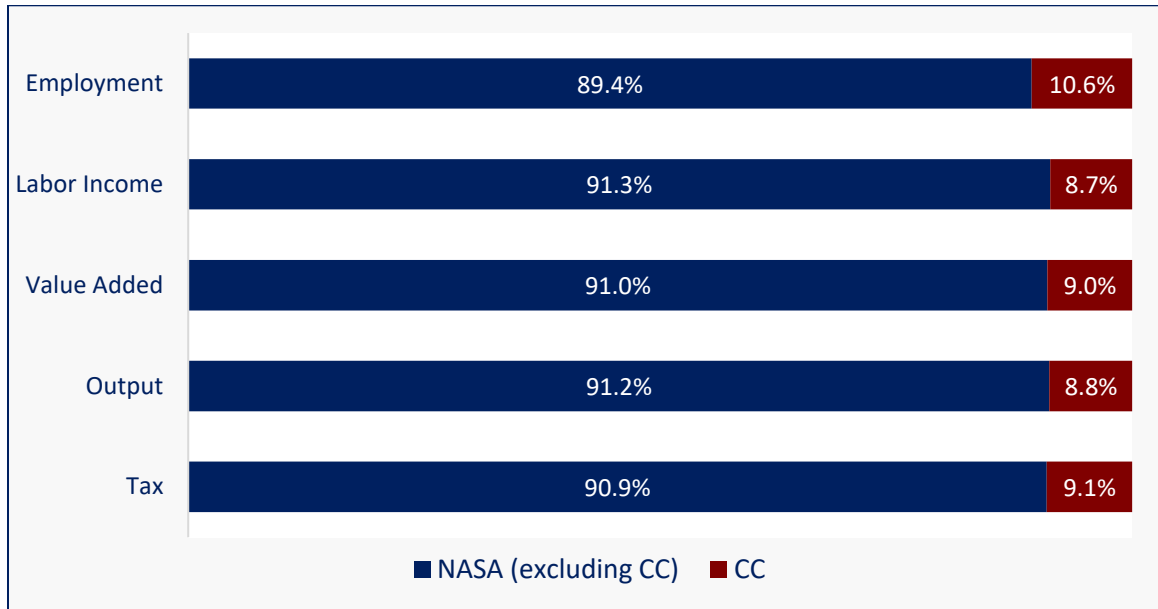
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 336 and Figure 97). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 336: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Mexico

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	855	52,473	83,010	177,793	2,162
CC Portion	91	4,561	7,457	15,591	196
CC Share (%)	10.6%	8.7%	9.0%	8.8%	9.1%

Figure 97: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New Mexico



Economic Impacts on the State of New York

NASA Impacts

In 2021, 63 NASA civil service employees (47 FTEs) residing in New York earned \$7.9 million in labor income. NASA contracts sourced in New York in the same year totaled \$183.1 million. The total economic impact resulting from these activities is 2,321 jobs, \$209.6 million in labor income, and \$530.8 million in economic output. These economic activities generate approximately \$26.5 million in tax revenues for the state and local governments in New York (Table 337).

Table 337: Summary of NASA Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	47	7,903	9,961	22,787	418
Indirect	1,333	132,796	188,223	323,718	12,828
Induced	941	68,941	119,845	184,323	13,226
Total	2,321	209,640	318,029	530,828	26,472
<i>Multiplier</i>	<i>49.4</i>	<i>26.5</i>	<i>31.9</i>	<i>23.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New York economy. Table 338 examines the sources of the employment figures in the second column of Table 337. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 95% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 5%.

Table 338: NASA Employment Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	47	44.3	0	0.0	47	2.0	100.0	0.0
Indirect	0	0.0	1,333	60.2	1,333	57.4	0.0	100.0
Induced	59	55.7	882	39.8	941	40.5	6.3	93.7
Total	106	100	2,215	100	2,321	100	4.6	95.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 339 examines the sources of the output figures in the fifth column of Table 337. Procurement spending is responsible for more than 93% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 7%.

Table 339: NASA Output Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	22,787	66.2	0	0.0	22,787	4.3	100.0	0.0
Indirect	0	0.0	323,718	65.2	323,718	61.0	0.0	100.0
Induced	11,656	33.8	172,667	34.8	184,323	34.7	6.3	93.7
Total	34,443	100	496,385	100	530,828	100	6.5	93.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, New York had six M2M-related civil service employees (1 FTE) with a corresponding labor income of \$82,000. M2M campaign contracts sourced in the state in the same year totaled \$20.1 million. The total New York employment impact is 198 jobs. The labor income and economic output associated with this employment are \$18.5 million and \$52.5 million, respectively. The M2M campaign generates \$1.9 million in tax revenues for the state and local governments in New York (Table 340).

Table 340: Summary of M2M Campaign Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	82	203	465	4
Indirect	124	12,730	19,044	37,069	889
Induced	73	5,715	9,846	14,928	1,071
Total	198	18,527	29,093	52,462	1,964
<i>Multiplier</i>	<i>198.0</i>	<i>225.9</i>	<i>143.3</i>	<i>112.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New York economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 341: M2M Campaign Employment Impacts by Sources of Impact, New York

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	1	50.0	0	0.0	1	0.5	100.0
Indirect	0	0.0	124	63.3	124	62.6	0.0	100.0
Induced	1	50.0	72	36.7	73	36.9	1.4	98.6
Total	2	100	196	100	198	100	1.0	99.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 342: M2M Campaign Output Impacts by Sources of Impact, New York

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	465	78.2	0	0.0	465	0.9	100.0
Indirect	0	0.0	37,069	71.5	37,069	70.7	0.0	100.0
Induced	130	21.8	14,798	28.5	14,928	28.5	0.9	99.1
Total	595	100	51,867	100	52,462	100	1.1	98.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

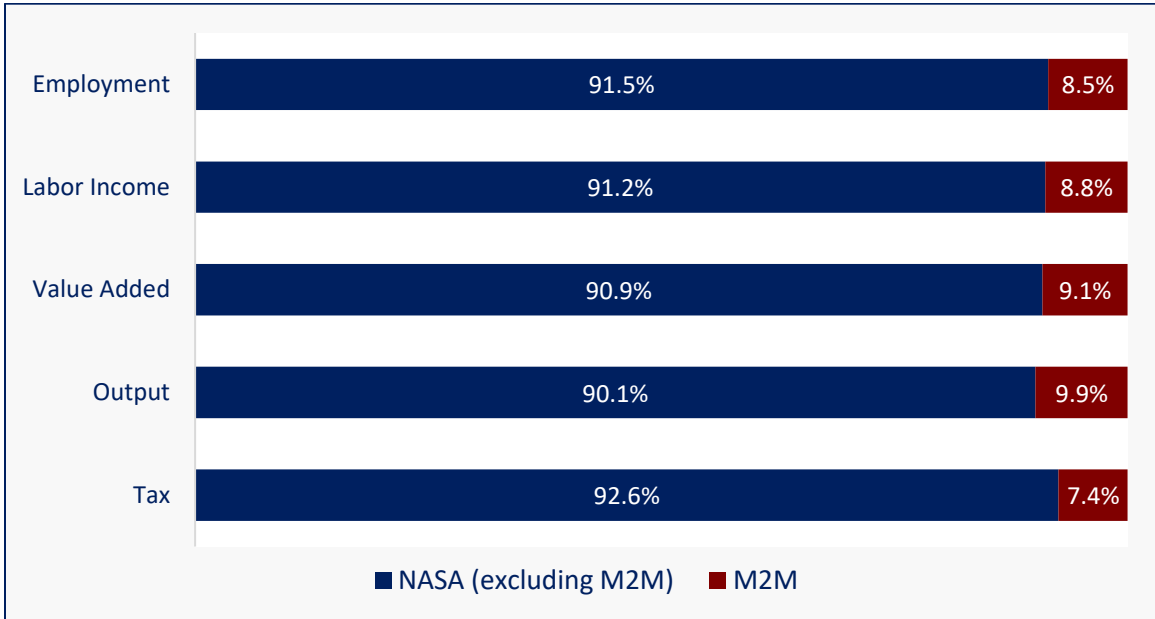
The M2M Campaign's Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 343 and Figure 98). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 343: The M2M Campaign Portion of Overall NASA Impacts, New York

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	2,321	209,640	318,029	530,828	26,472
M2M Portion	198	18,527	29,093	52,462	1,964
M2M Share (%)	8.5%	8.8%	9.1%	9.9%	7.4%

Figure 98: The M2M Campaign Portion of Overall NASA Impacts, New York



Investments in Climate Change Research and Technology Impacts

In 2021, New York had 29 climate change research and technology-related civil service employees (18 FTEs) with a corresponding labor income of \$3.6 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$36.7 million. The total New York employment impact is 511 jobs. The labor income and economic output associated with this employment are \$44.8 million and \$112.8 million, respectively. The investments in climate change research and technology activities generate nearly \$5.7 million in tax revenues for the state and local governments in New York (Table 344).

Table 344: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	18	3,602	3,892	8,903	190
Indirect	284	26,587	37,737	64,038	2,664
Induced	209	14,578	25,351	39,895	2,863
Total	511	44,767	66,980	112,836	5,717
<i>Multiplier</i>	<i>28.4</i>	<i>12.4</i>	<i>17.2</i>	<i>12.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the New York economy. More than 91 percent of the employment and nearly 88 percent of the output impacts are due to NASA procurement sourced within the state.

Table 345: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, New York

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	18	40.0	0	0.0	18	3.5	100.0	0.0
Indirect	0	0.0	284	60.9	284	55.6	0.0	100.0
Induced	27	60.0	182	39.1	209	40.9	12.9	87.1
Total	45	100	466	100	511	100	8.8	91.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 346: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, New York

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	8,903	63.4	0	0.0	8,903	7.9	100.0	0.0
Indirect	0	0.0	64,038	64.8	64,038	56.8	0.0	100.0
Induced	5,137	36.6	34,758	35.2	39,895	35.4	12.9	87.1
Total	14,040	100	98,796	100	112,836	100	12.4	87.6

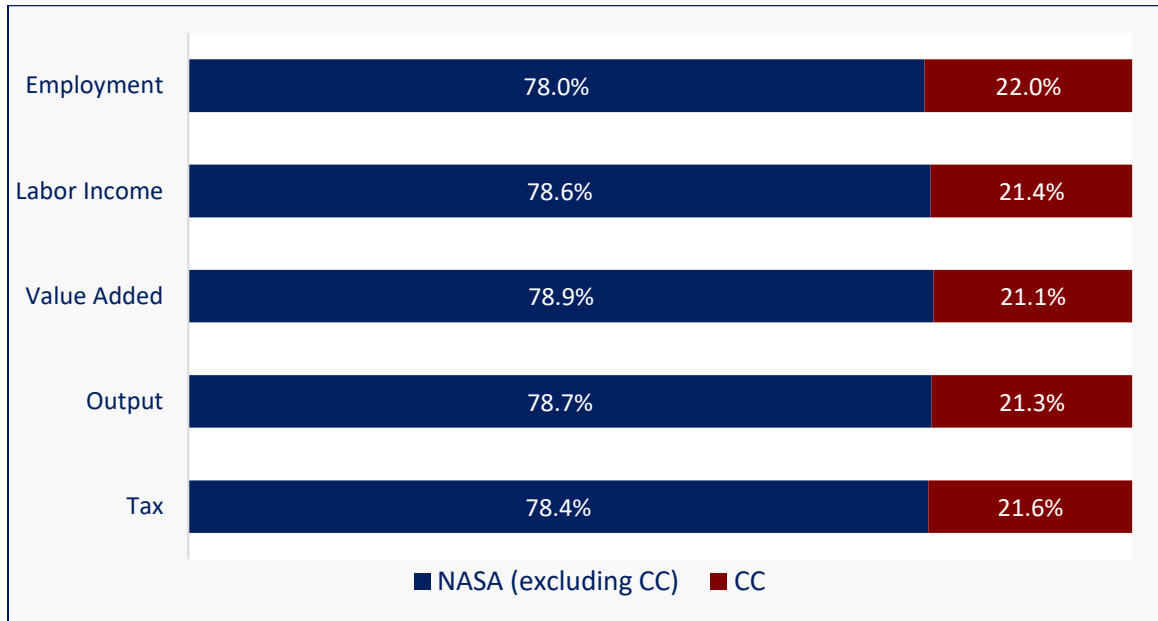
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 21% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 347 and Figure 99). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 347: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New York

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	2,321	209,640	318,029	530,828	26,472
CC Portion	511	44,767	66,980	112,836	5,717
CC Share (%)	22.0%	21.4%	21.1%	21.3%	21.6%

Figure 99: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, New York



Economic Impacts on the State of North Carolina

NASA Impacts

In 2021, 52 NASA civil service employees (34 FTEs) residing in North Carolina earned \$5.4 million in labor income. NASA contracts sourced in North Carolina in the same year totaled \$58.0 million. The total economic impact resulting from these activities is 1,102 jobs, \$63.3 million in labor income, and \$175.5 million in economic output. These economic activities generate \$6.7 million in tax revenues for the state and local governments in North Carolina (Table 348).

Table 348: Summary of NASA Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	34	5,439	7,192	16,454	154
Indirect	680	37,853	55,430	91,424	3,093
Induced	388	19,962	36,519	67,605	3,439
Total	1,102	63,254	99,141	175,483	6,686
<i>Multiplier</i>	<i>32.4</i>	<i>11.6</i>	<i>13.8</i>	<i>10.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the North Carolina economy. Table 349 examines the sources of the employment figures in the second column of Table 348. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-two (92) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 8%.

Table 349: NASA Employment Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	34	39.1	0	0.0	34	3.1	100.0	0.0
Indirect	0	0.0	680	67.0	680	61.7	0.0	100.0
Induced	53	60.9	335	33.0	388	35.2	13.7	86.3
Total	87	100	1,015	100	1,102	100	7.9	92.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 350 examines the sources of the output figures in the fifth column of Table 348. Procurement spending is responsible for 85% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 15%.

Table 350: NASA Output Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	16,454	63.9	0	0.0	16,454	9.4	100.0	0.0
Indirect	0	0.0	91,424	61.1	91,424	52.1	0.0	100.0
Induced	9,280	36.1	58,325	38.9	67,605	38.5	13.7	86.3
Total	25,734	100	149,749	100	175,483	100	14.7	85.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, North Carolina had seven M2M-related civil service employees (4 FTEs) with a corresponding labor income of \$844,000. M2M campaign contracts sourced in the state in the same year totaled \$1.3 million. The total North Carolina employment impact is 31 jobs. The labor income and economic output associated with this employment are \$2.5 million and \$7.0 million, respectively. The M2M campaign generates \$228,000 in tax revenues for the state and local governments in North Carolina (Table 351).

Table 351: Summary of M2M Campaign Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	844	881	2,016	24
Indirect	12	825	1,314	2,216	63
Induced	15	829	1,535	2,770	141
Total	31	2,498	3,730	7,002	228
<i>Multiplier</i>	<i>7.8</i>	<i>3.0</i>	<i>4.2</i>	<i>3.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the North Carolina economy. Sixty-one (61) percent of the employment impacts and nearly 50 percent of the output impacts are due to NASA procurement sourced within the state.

Table 352: M2M Campaign Employment Impacts by Sources of Impact, North Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	4	33.3	0	0.0	4	12.9	100.0
Indirect	0	0.0	12	63.2	12	38.7	0.0	100.0
Induced	8	66.7	7	36.8	15	48.4	53.3	46.7
Total	12	100	19	100	31	100	38.7	61.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 353: M2M Campaign Output Impacts by Sources of Impact, North Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	2,016	57.1	0	0.0	2,016	28.8	100.0
Indirect	0	0.0	2,216	63.8	2,216	31.6	0.0	100.0
Induced	1,515	42.9	1,255	36.2	2,770	39.6	54.7	45.3
Total	3,531	100	3,471	100	7,002	100	50.4	49.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

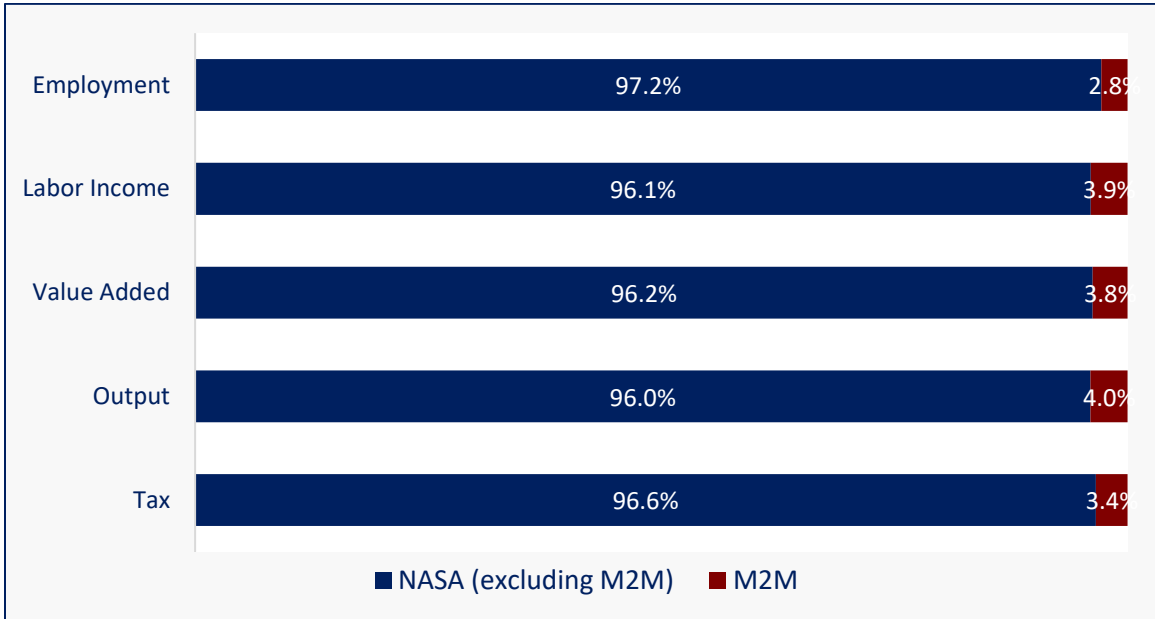
The M2M Campaign’s Share of NASA Impacts

Around 4% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 354 and Figure 100). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 354: The M2M Campaign Portion of Overall NASA Impacts, North Carolina

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,102	63,254	99,141	175,483	6,686
M2M Portion	31	2,498	3,730	7,002	228
M2M Share (%)	2.8%	3.9%	3.8%	4.0%	3.4%

Figure 100: The M2M Campaign Portion of Overall NASA Impacts, North Carolina



Investments in Climate Change Research and Technology Impacts

In 2021, North Carolina had 12 climate change research and technology-related civil service employees (5 FTEs) with a corresponding labor income of \$722,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$18.0 million. The total North Carolina employment impact is 320 jobs. The labor income and economic output associated with this employment are \$17.8 million and \$50.7 million, respectively. The investments in climate change research and technology generate \$1.9 million in tax revenues for the state and local governments in North Carolina (Table 355).

Table 355: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	722	1,047	2,396	20
Indirect	204	11,614	17,191	29,421	965
Induced	111	5,464	9,911	18,894	961
Total	320	17,800	28,149	50,711	1,946
<i>Multiplier</i>	<i>64.0</i>	<i>24.7</i>	<i>26.9</i>	<i>21.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the North Carolina economy. More than 96 percent of the employment impacts and nearly 93 percent of the output impacts are due to NASA procurement sourced within the state.

Table 356: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, North Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	5	41.7	0	0.0	5	1.6	100.0	0.0
Indirect	0	0.0	204	66.2	204	63.8	0.0	100.0
Induced	7	58.3	104	33.8	111	34.7	6.3	93.7
Total	12	100	308	100	320	100	3.8	96.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 357: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, North Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,396	66.3	0	0.0	2,396	4.7	100.0	0.0
Indirect	0	0.0	29,421	62.5	29,421	58.0	0.0	100.0
Induced	1,217	33.7	17,677	37.5	18,894	37.3	6.4	93.6
Total	3,613	100	47,098	100	50,711	100	7.1	92.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

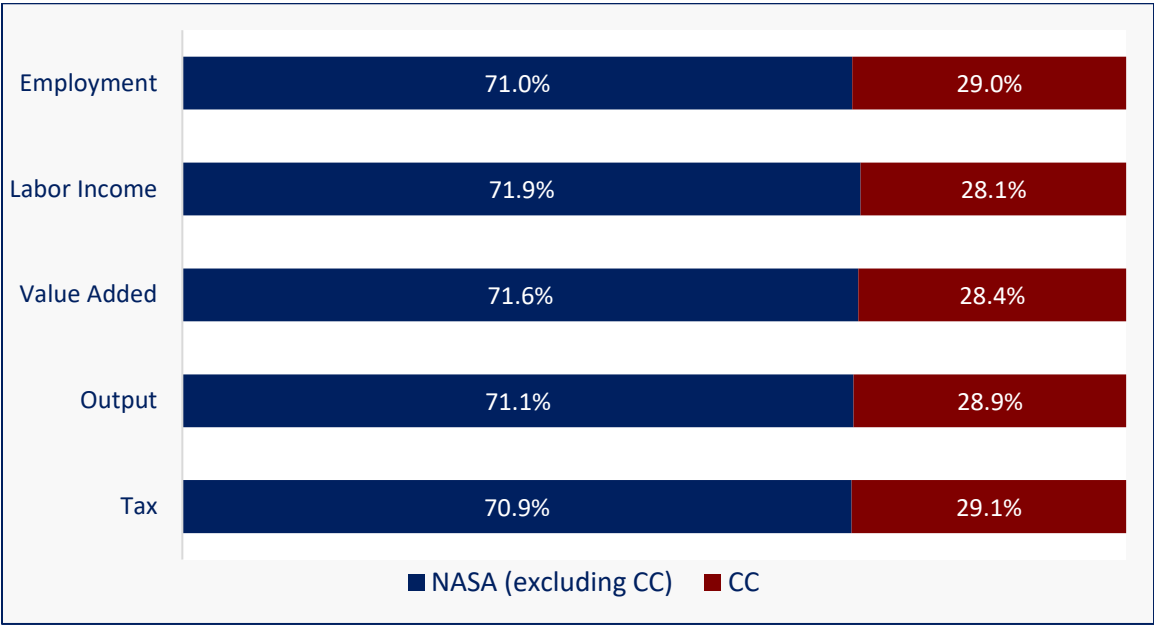
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 29% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 358 and Figure 101). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 358: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, North Carolina

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	1,102	63,254	99,141	175,483	6,686
CC Portion	320	17,800	28,149	50,711	1,946
CC Share (%)	29.0%	28.1%	28.4%	28.9%	29.1%

Figure 101: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, North Carolina



Economic Impacts on the State of North Dakota

NASA Impacts

In 2021, one NASA civil service employee (1 FTE) residing in North Dakota earned \$168,000 in labor income. NASA contracts sourced in North Dakota in the same year totaled \$2.9 million. The total economic impact resulting from these activities is 35 jobs, \$2.2 million in labor income, and \$6.8 million in economic output. These economic activities generate \$159,000 in tax revenues for the state and local governments in North Dakota (Table 359).

Table 359: Summary of NASA Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	168	215	491	2
Indirect	23	1,460	2,035	4,337	75
Induced	11	592	1,002	1,953	82
Total	35	2,220	3,252	6,781	159
<i>Multiplier</i>	<i>35.0</i>	<i>13.2</i>	<i>15.1</i>	<i>13.8</i>	<i>n.a.</i>

The following two tables examine the contribution of different NASA activities to the North Dakota economy. Table 360 examines the sources of the employment figures in the second column of Table 359. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 94 percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is nearly 6%.

Table 360: NASA Employment Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1	50.0	0	0.0	1	2.9	100.0	0.0
Indirect	0	0.0	23	69.7	23	65.7	0.0	100.0
Induced	1	50.0	10	30.3	11	31.4	9.1	90.9
Total	2	100	33	100	35	100	5.7	94.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 361 examines the sources of the output figures in the fifth column of Table 359. Procurement spending is responsible for nearly 90% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 10%.

Table 361: NASA Output Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	491	69.2	0	0.0	491	7.2	100.0	0.0
Indirect	0	0.0	4,337	71.4	4,337	64.0	0.0	100.0
Induced	219	30.8	1,734	28.6	1,953	28.8	11.2	88.8
Total	710	100	6,071	100	6,781	100	10.5	89.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts³⁸

In 2021, North Dakota had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of less than \$1,000. There were no M2M campaign contracts sourced in the state. The resulting impacts are minimal (Table 362).

Table 362: Summary of M2M Campaign Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	<1	<1
Indirect	0	0	0	0	0
Induced	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The M2M Campaign’s Share of NASA Impacts

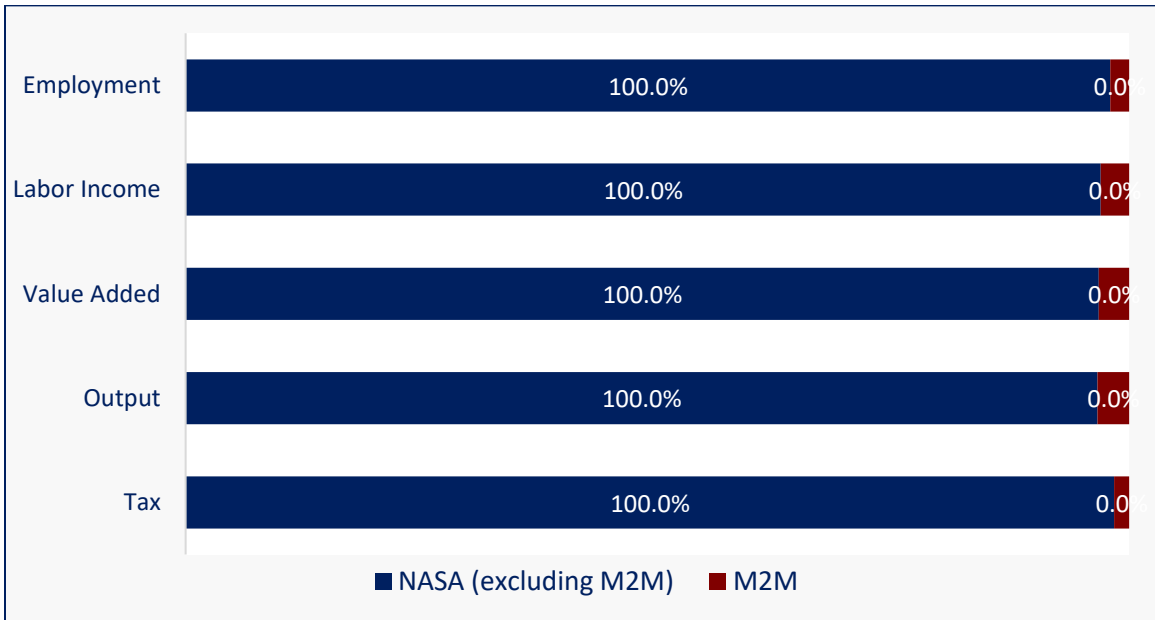
Less than 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 363 and Figure 102).

³⁸ North Dakota along with Wyoming are the only states with no M2M-related procurement activity.

Table 363: The M2M Campaign Portion of Overall NASA Impacts, North Dakota

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	35	2,220	3,252	6,781	159
M2M Portion	<1	<1	<1	<1	<1
M2M Share (%)	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%

Figure 102: The M2M Campaign Portion of Overall NASA Impacts, North Dakota



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in North Dakota in FY 2021, but \$524,000 in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is six jobs, \$357,000 in labor income, and \$1.1 million worth of output. These economic activities generate \$27,000 in tax revenues for the state and local governments in North Dakota (Table 364).

Table 364: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	4	262	372	803	14
Induced	2	95	160	318	13
Total	6	357	532	1,121	27
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

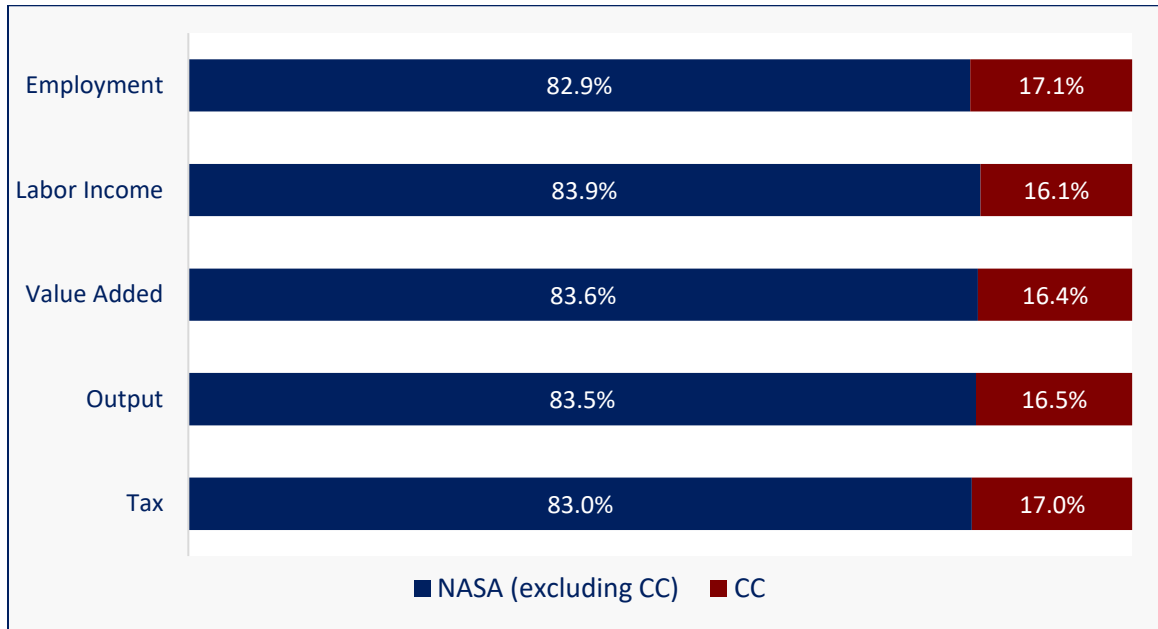
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 17% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 365 and Figure 103). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 365: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, North Dakota

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	35	2,220	3,252	6,781	159
CC Portion	6	357	532	1,121	27
CC Share (%)	17.1%	16.1%	16.4%	16.5%	17.0%

Figure 103: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, North Dakota



Economic Impacts on the State of Ohio

NASA Impacts

In 2021, 1,631 NASA civil service employees (1,530 FTEs) residing in Ohio earned \$261.3 million in labor income. NASA contracts sourced in Ohio in the same year totaled \$409.8 million. The total economic impact resulting from these activities is 10,907 jobs, \$834.9 million in labor income, and \$2.4 billion in economic output. These economic activities generate \$82.2 million in tax revenues for the state and local governments in Ohio (Table 366).

The employment multiplier is 7.1, meaning that for every NASA job located in Ohio, an additional 6.1 jobs are supported in the state economy. The output multiplier of 3.3 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$2.3 million worth of output is sustained throughout the state economy.

Table 366: Summary of NASA Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,530	261,273	325,882	745,529	6,901
Indirect	3,733	276,639	393,679	734,780	21,263
Induced	5,644	296,967	535,086	980,814	53,997
Total	10,907	834,879	1,254,647	2,461,123	82,161
<i>Multiplier</i>	<i>7.1</i>	<i>3.2</i>	<i>3.9</i>	<i>3.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Ohio economy. Table 367 examines the sources of the employment figures in the second column of Table 366. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Fifty-nine (59) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 41%.

Table 367: NASA Employment Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1,530	34.0	0	0.0	1,530	14.0	100.0	0.0
Indirect	0	0.0	3,733	58.3	3,733	34.2	0.0	100.0
Induced	2,974	66.0	2,670	41.7	5,644	51.7	52.7	47.3
Total	4,504	100	6,403	100	10,907	100	41.3	58.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 368 examines the sources of the output figures in the fifth column of Table 366. NASA labor force’s share of overall NASA output impact is approximately 51% while procurement spending is responsible for 49% of the increase in output in the state economy arising from NASA. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 368: NASA Output Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	745,529	59.0	0	0.0	745,529	30.3	100.0	0.0
Indirect	0	0.0	734,780	61.3	734,780	29.9	0.0	100.0
Induced	517,097	41.0	463,717	38.7	980,814	39.9	52.7	47.3
Total	1,262,626	100	1,198,497	100	2,461,123	100	51.3	48.7

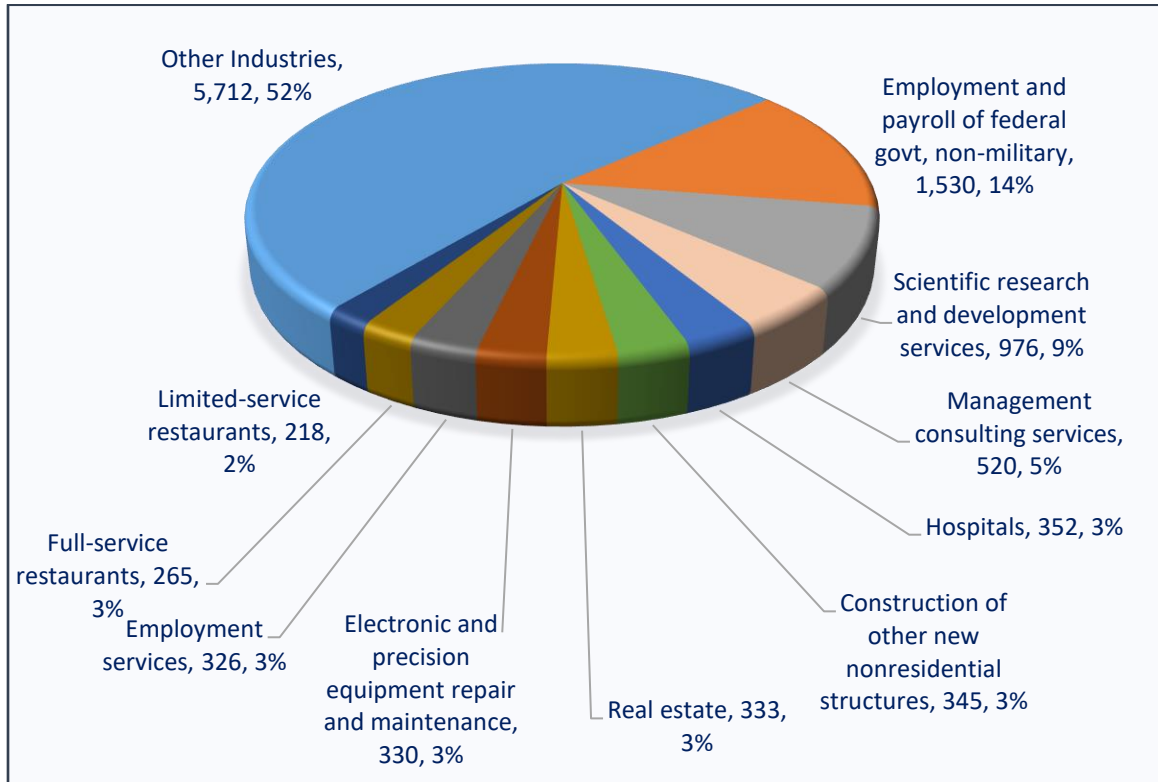
Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

10,907 jobs in the Ohio economy were supported by NASA activities in Fiscal Year 2021. Of these, 1,530 (14%) were directly located at NASA centers. As a result of the procurement of goods and services in the Ohio economy, 3,733 additional jobs (34%) were created. The remaining employment—5,644 jobs (52%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 104 depicts the ten most impacted industries by employment. Scientific research and development services and management consulting services are the most impacted industries, respectively (along with the federal government sector). These three industries together account for 28% of the jobs created. The employment in these industries is driven largely by NASA procurement spending; the three private industries

accounted for 58% of NASA procurement spending in the state in Fiscal Year 2021. The impact in the federal government sector represents mainly civil service employees working for NASA.

Figure 104: Top Ten Most Impacted Industries by Employment, Ohio (NASA)

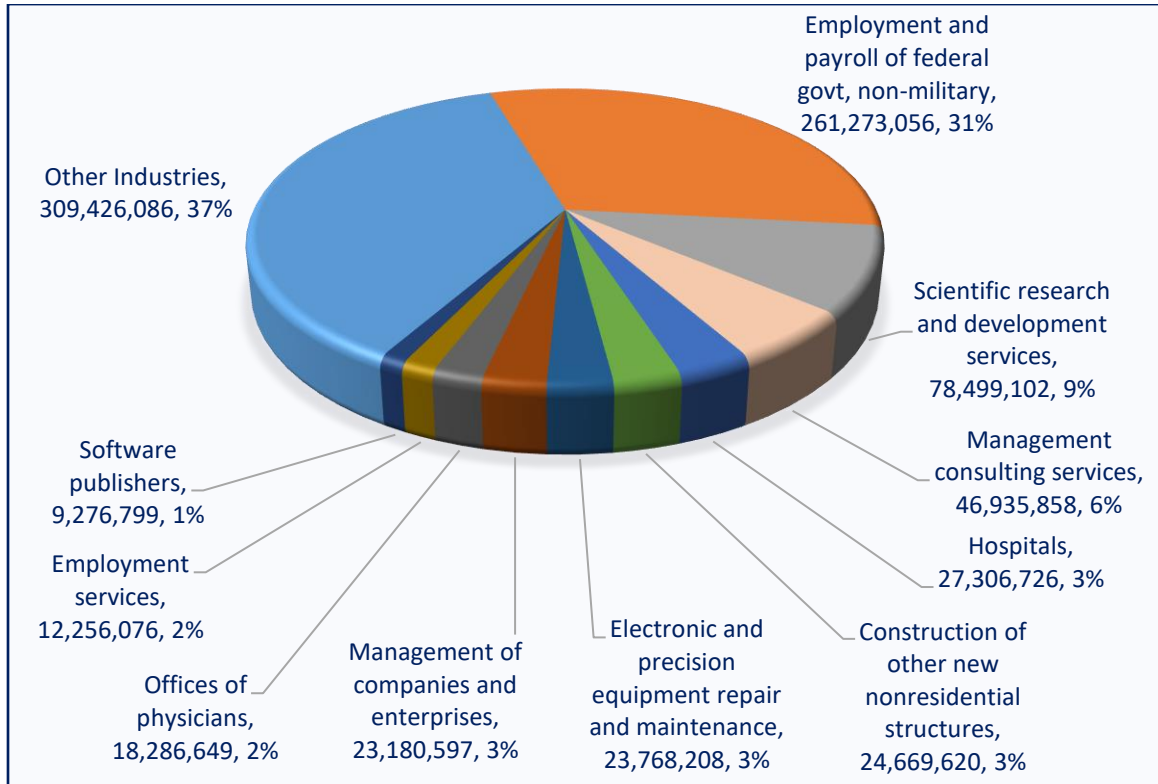


The total income impact of NASA in Ohio was \$834.9 million in Fiscal Year 2021. Of this amount, \$261 million (31%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$276.6 million (33%). The remaining income (induced impact), estimated to be \$296.9 million (36%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 105 depicts the ten most impacted industries by labor income. As a consequence of their share of total employment, scientific research and development services and management consulting services are the most impacted industries by income (along with the federal government sector). The three industries together account for 46% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019, the average employee compensation in the

scientific research and development services industry was \$79,000 (including benefits), compared to an average of \$58,605 across Ohio.

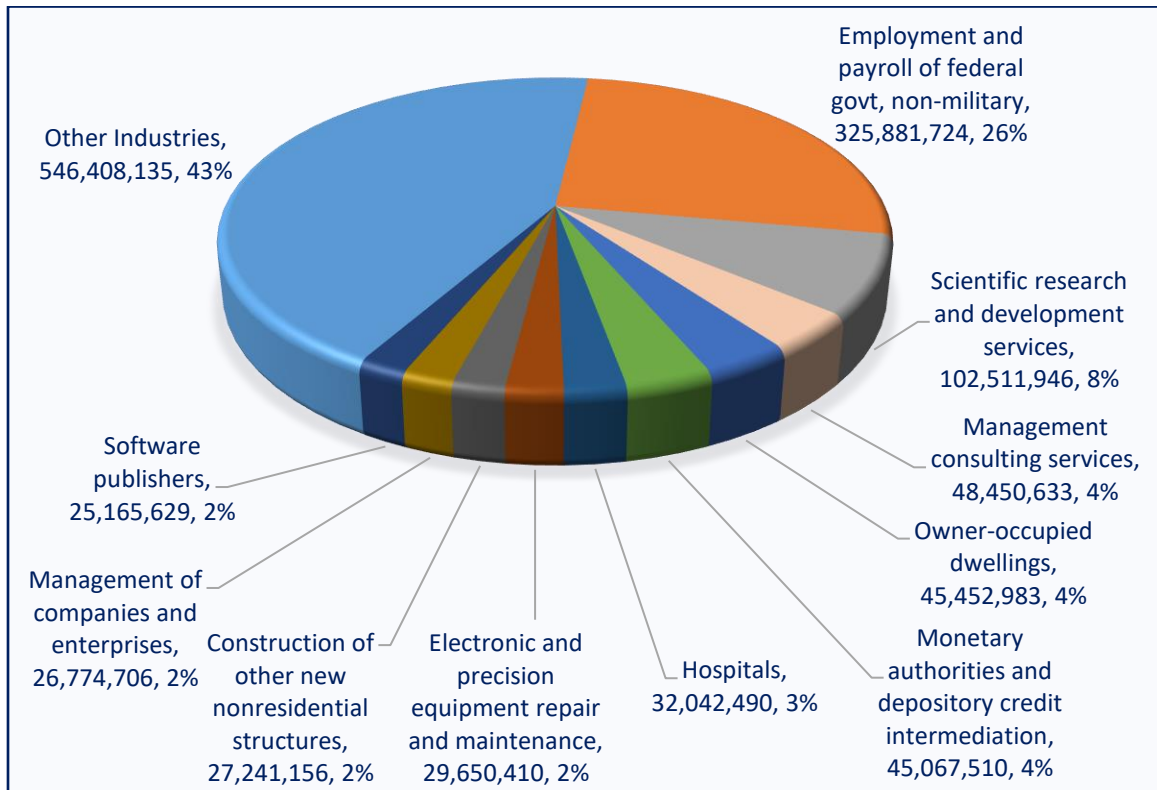
Figure 105: Top Ten Most Impacted Industries by Labor Income, Ohio (NASA)



The total value added impact of NASA in Ohio was \$1.2 billion in Fiscal Year 2021. Of this amount, \$326 million (26%) was created by civil service employees and \$394 million (31%) was created indirectly by the \$409 million in procurement spending across all industry sectors in Ohio. \$535 million (43%) was generated by increased consumption spending supported by increased earnings.

Figure 106 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development services and management consulting services are the most impacted industries (along with the federal government sector). The three industries together account for 38% of the total value added created. NASA activities accounted for an increase of \$102 million in value added in scientific research and development services, and a \$48 million increase in value added in management consulting services. Three hundred twenty-five (325) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

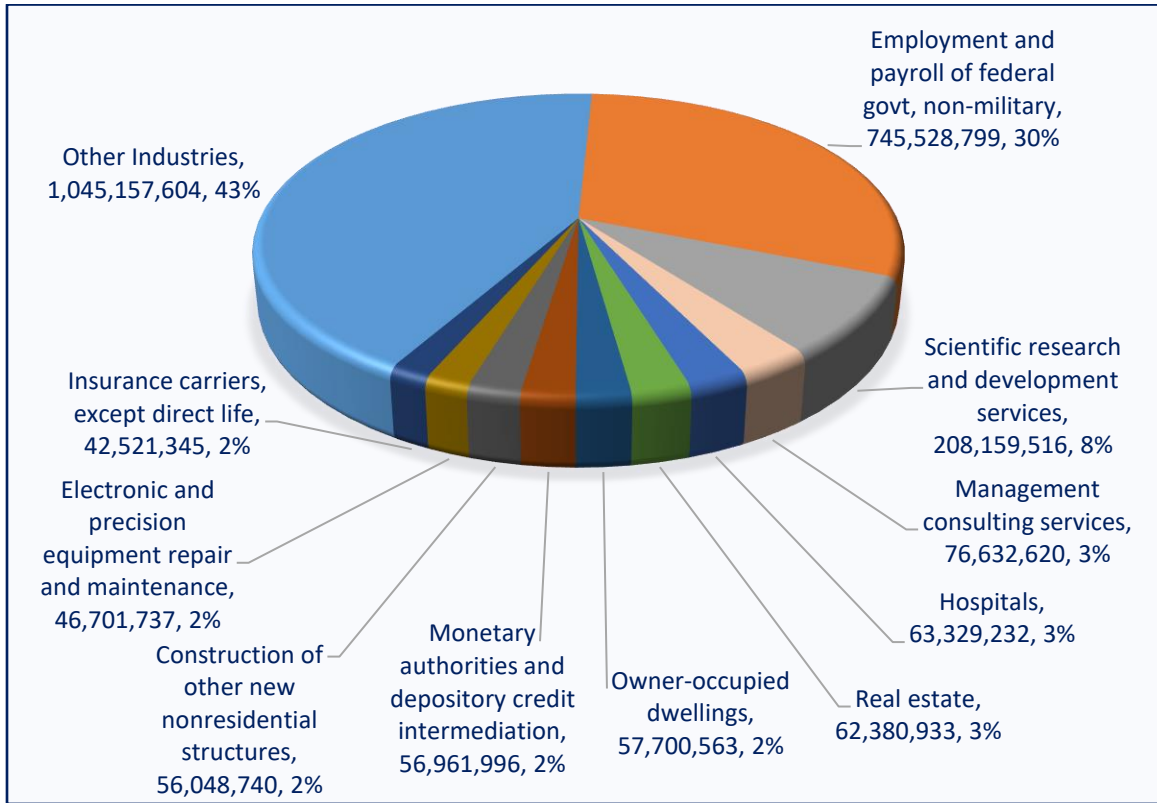
Figure 106: Top Ten Most Impacted Industries by Value Added, Ohio (NASA)



The total output impact of NASA in Ohio was \$2.4 billion in Fiscal Year 2021. The direct impact of nearly \$746 million constitutes the value of production by NASA employees, accounting for around 30% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$409 million resulted in an additional increase in output (gross sales) of \$325 million across all industry sectors (adding up to the indirect total of \$734 million in Table 366). Approximately \$981 million (40%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$208 million in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services and \$76 million increase in sales in management consulting services (Figure 107). Similar to employment, impacts in these industries are largely driven by NASA procurement spending; these two industries accounted for 58% of NASA procurement spending in Fiscal Year 2021. The output impacts hospitals, real estate and other industries mainly result from increases in consumption spending (induced impacts).

Figure 107: Top Ten Most Impacted Industries by Output, Ohio (NASA)



M2M Campaign Impacts

In 2021, Ohio had 408 M2M-related civil service employees (198 FTEs) with a corresponding labor income of \$33.1 million. M2M campaign contracts sourced in the state in the same year totaled \$44.7 million. The total Ohio employment impact is 1,280 jobs. The labor income and economic output associated with this employment are \$101.4 million and \$300.9 million, respectively. The M2M campaign generates \$9.7 million in tax revenues for the state and local governments in Ohio (Table 369).

Table 369: Summary of M2M Campaign Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	198	33,113	42,186	96,511	875
Indirect	395	30,786	43,888	83,186	2,151
Induced	687	37,509	67,438	121,197	6,674
Total	1,280	101,408	153,512	300,894	9,700
<i>Multiplier</i>	6.5	3.1	3.6	3.1	n.a.

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion

units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Ohio economy. More than 54 percent of the employment impacts and 45 percent of the output impacts are due to NASA procurement sourced within the state.

Table 370: M2M Campaign Employment Impacts by Sources of Impact, Ohio

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	198	33.8	0	0.0	198	15.5	100.0	0.0
Indirect	0	0.0	395	56.9	395	30.9	0.0	100.0
Induced	388	66.2	299	43.1	687	53.7	56.5	43.5
Total	586	100	694	100	1,280	100	45.8	54.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 371: M2M Campaign Output Impacts by Sources of Impact, Ohio

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	96,511	58.5	0	0.0	96,511	32.1	100.0	0.0
Indirect	0	0.0	83,186	61.2	83,186	27.6	0.0	100.0
Induced	68,526	41.5	52,671	38.8	121,197	40.3	56.5	43.5
Total	165,037	100	135,857	100	300,894	100	54.8	45.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

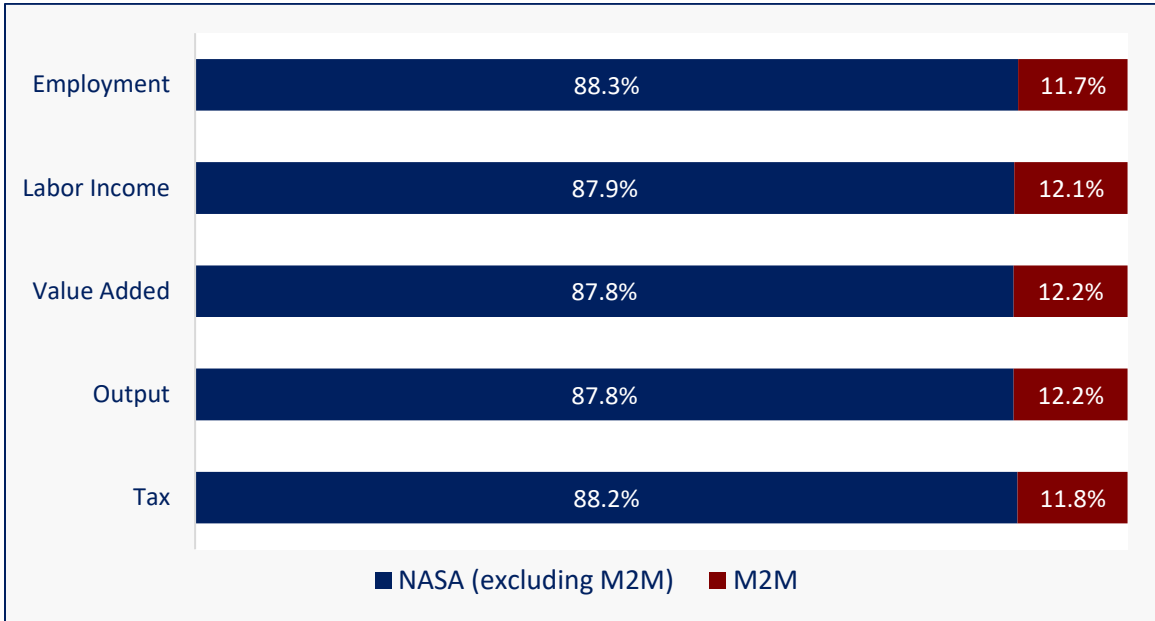
The M2M Campaign’s Share of NASA Impacts

Around 12% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 372 and Figure 108). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 372: The M2M Campaign Portion of Overall NASA Impacts, Ohio

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	10,907	834,879	1,254,647	2,461,123	82,161
M2M Portion	1,280	101,408	153,512	300,894	9,700
M2M Share (%)	11.7%	12.1%	12.2%	12.2%	11.8%

Figure 108: The M2M Campaign Portion of Overall NASA Impacts, Ohio



Investments in Climate Change Research and Technology Impacts

In 2021, Ohio had 508 climate change research and technology-related civil service employees (245 FTEs) with a corresponding labor income of \$40.4 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$72.5 million. The total Ohio employment impact is 1,910 jobs. The labor income and economic output associated with this employment are \$138.8 million and \$416.7 million, respectively. The investments in climate change research and technology generate \$12.8 million in tax revenues for the state and local governments in Ohio (Table 373).

Table 373: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	245	40,394	52,103	119,197	1,067
Indirect	708	49,990	69,631	133,196	2,709
Induced	957	48,422	87,447	164,325	9,047
Total	1,910	138,806	209,181	416,718	12,823
<i>Multiplier</i>	<i>7.8</i>	<i>3.4</i>	<i>4.0</i>	<i>3.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Ohio economy. Sixty-three (63) percent of the employment impacts and more than 52 percent of the output impacts are due to NASA procurement sourced within the state.

Table 374: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Ohio

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	245	34.7	0	0.0	245	12.8	100.0	0.0
Indirect	0	0.0	708	58.9	708	37.1	0.0	100.0
Induced	462	65.3	495	41.1	957	50.1	48.3	51.7
Total	707	100	1,203	100	1,910	100	37.0	63.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 375: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Ohio

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	119,197	60.0	0	0.0	119,197	28.6	100.0	0.0
Indirect	0	0.0	133,196	61.1	133,196	32.0	0.0	100.0
Induced	79,401	40.0	84,924	38.9	164,325	39.4	48.3	51.7
Total	198,598	100	218,120	100	416,718	100	47.7	52.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

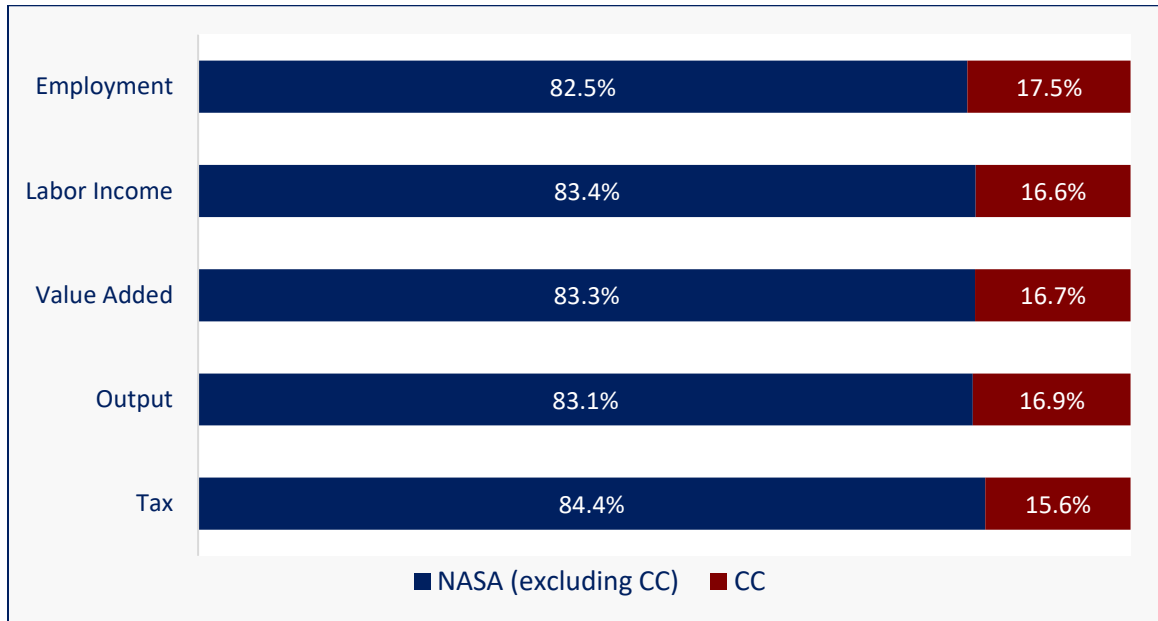
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 17% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 376 and Figure 109). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 376: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Ohio

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	10,907	834,879	1,254,647	2,461,123	82,161
CC Portion	1,910	138,806	209,181	416,718	12,823
CC Share (%)	17.5%	16.6%	16.7%	16.9%	15.6%

Figure 109: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Ohio



Economic Impacts on the State of Oklahoma

NASA Impacts

In 2021, 15 NASA civil service employees (9 FTEs) residing in Oklahoma earned \$1.2 million in labor income. NASA contracts sourced in Oklahoma in the same year totaled \$54.1 million. The total economic impact resulting from these activities is 802 jobs, \$48.9 million in labor income, and \$157.7 million in economic output. These economic activities generate nearly \$4.3 million in tax revenues for the state and local governments in Oklahoma (Table 377).

Table 377: Summary of NASA Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,243	1,942	4,442	29
Indirect	541	35,807	48,396	112,470	2,313
Induced	252	11,896	20,727	40,826	2,001
Total	802	48,946	71,065	157,738	4,343
<i>Multiplier</i>	<i>89.1</i>	<i>39.4</i>	<i>36.6</i>	<i>35.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oklahoma economy. Table 378 examines the sources of the employment figures in the second column of Table 377. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 97% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 3%.

Table 378: NASA Employment Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	9	45.0	0	0.0	9	1.1	100.0	0.0
Indirect	0	0.0	541	69.2	541	67.5	0.0	100.0
Induced	11	55.0	241	30.8	252	31.4	4.4	95.6
Total	20	100	782	100	802	100	2.5	97.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 379 examines the sources of the output figures in the fifth column of Table 377. Procurement spending is responsible for 96% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 4%.

Table 379: NASA Output Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,442	71.3	0	0.0	4,442	2.8	100.0	0.0
Indirect	0	0.0	112,470	74.2	112,470	71.3	0.0	100.0
Induced	1,784	28.7	39,042	25.8	40,826	25.9	4.4	95.6
Total	6,226	100	151,512	100	157,738	100	3.9	96.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Oklahoma had one M2M-related civil service employee (1 FTE) with a corresponding labor income of \$157,000. M2M campaign contracts sourced in the state in the same year totaled \$298,000. The total Oklahoma employment impact is six jobs. The labor income and economic output associated with this employment are \$472,000 and \$1.6 million, respectively. The M2M campaign generates \$40,000 in tax revenues for the state and local governments in Oklahoma (Table 380).

Table 380: Summary of M2M Campaign Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	157	213	487	4
Indirect	2	180	257	608	13
Induced	3	135	235	461	23
Total	6	472	705	1,556	40
<i>Multiplier</i>	<i>6.0</i>	<i>3.0</i>	<i>3.3</i>	<i>3.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oklahoma economy. Sixty-seven (67) percent of the employment impacts and fifty-three (53) percent of the output impacts are due to NASA procurement sourced within the state.

Table 381: M2M Campaign Employment Impacts by Sources of Impact, Oklahoma

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	1	50.0	0	0.0	1	16.7	100.0	0.0
Indirect	0	0.0	2	50.0	2	33.3	0.0	100.0
Induced	1	50.0	2	50.0	3	50.0	33.3	66.7
Total	2	100	4	100	6	100	33.3	66.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 382: M2M Campaign Output Impacts by Sources of Impact, Oklahoma

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	487	66.6	0	0.0	487	31.3	100.0	0.0
Indirect	0	0.0	608	73.7	608	39.1	0.0	100.0
Induced	244	33.4	217	26.3	461	29.6	52.9	47.1
Total	731	100	825	100	1,556	100	47.0	53.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

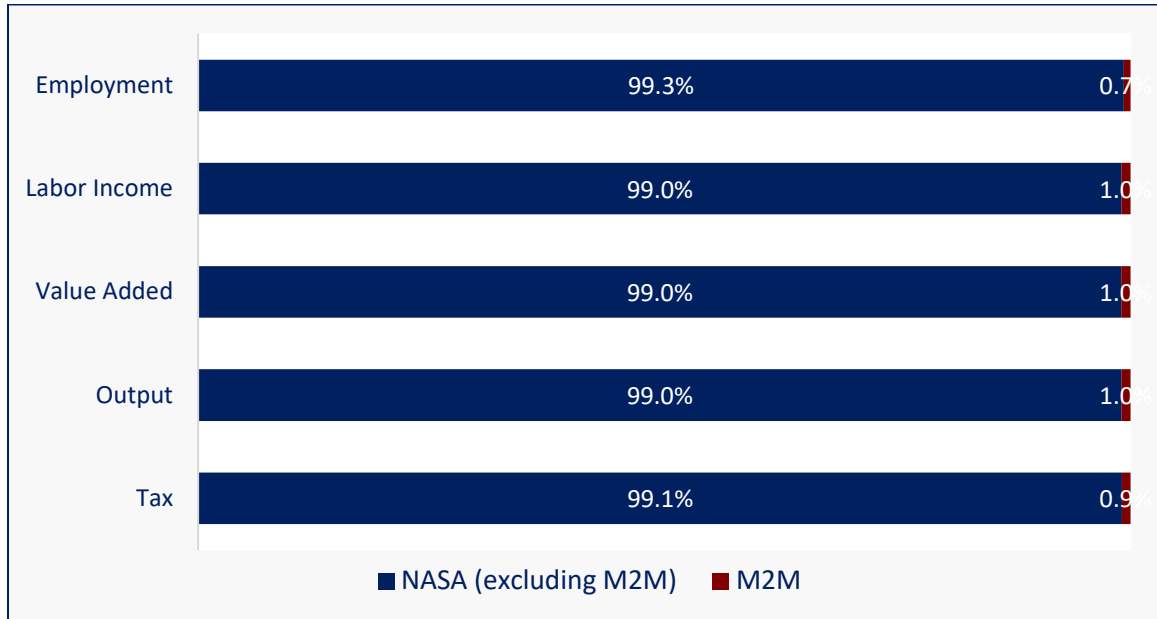
The M2M Campaign's Share of NASA Impacts

Around 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 383 and Figure 110).

Table 383: The M2M Campaign Portion of Overall NASA Impacts, Oklahoma

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	802	48,946	71,065	157,738	4,343
M2M Portion	6	472	705	1,556	40
M2M Share (%)	0.7%	1.0%	1.0%	1.0%	0.9%

Figure 110: The M2M Campaign Portion of Overall NASA Impacts, Oklahoma



Investments in Climate Change Research and Technology Impacts

In 2021, Oklahoma had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$63,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled approximately \$32.5 million. The total Oklahoma employment impact is 462 jobs. The labor income and economic output associated with this employment are \$25.3 million and \$79.5 million, respectively. The investments in climate change research and technology generate \$2.2 million in tax revenues for the state and local governments in Oklahoma (Table 384).

Table 384: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	63	136	311	1
Indirect	312	18,342	25,573	55,301	1,074
Induced	149	6,898	11,902	23,876	1,170
Total	462	25,303	37,611	79,488	2,245
<i>Multiplier</i>	<i>462.0</i>	<i>401.6</i>	<i>276.6</i>	<i>255.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of

intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oklahoma economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 385: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Oklahoma

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.2	100.0	0.0
Indirect	0	0.0	312	67.8	312	67.5	0.0	100.0
Induced	1	50.0	148	32.2	149	32.3	0.7	99.3
Total	2	100	460	100	462	100	0.4	99.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 386: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Oklahoma

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	311	77.4	0	0.0	311	0.4	100.0	0.0
Indirect	0	0.0	55,301	69.9	55,301	69.6	0.0	100.0
Induced	91	22.6	23,785	30.1	23,876	30.0	0.4	99.6
Total	402	100	79,086	100	79,488	100	0.5	99.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

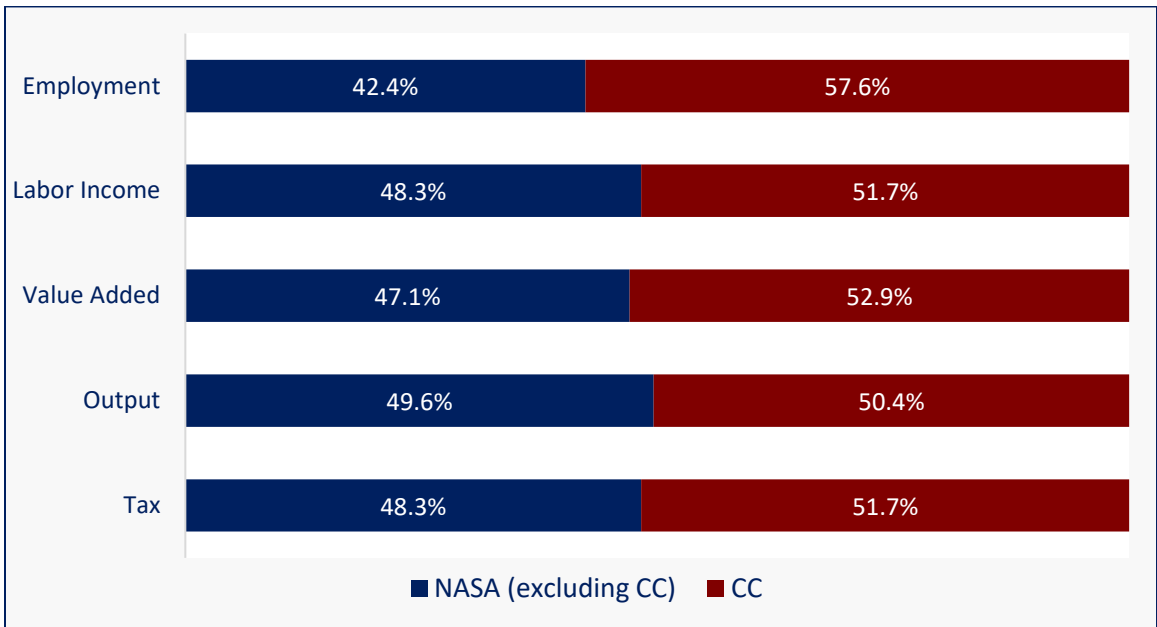
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 53% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 387 and Figure 111). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 387: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Oklahoma

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	802	48,946	71,065	157,738	4,343
CC Portion	462	25,303	37,611	79,488	2,245
CC Share (%)	57.6%	51.7%	52.9%	50.4%	51.7%

Figure 111: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Oklahoma



Economic Impacts on the State of Oregon

NASA Impacts

In 2021, nine NASA civil service employees (7 FTEs) residing in Oregon earned nearly \$1.2 million in labor income. NASA contracts sourced in Oregon in the same year totaled \$16.6 million. The total economic impact resulting from these activities is 244 jobs, \$11.9 million in labor income, and \$46.5 million in economic output. These economic activities generate \$1.8 million in tax revenues for the state and local governments in Oregon (Table 388).

Table 388: Summary of NASA Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,203	1,399	3,202	62
Indirect	140	6,882	16,088	27,333	915
Induced	97	3,892	8,892	15,984	823
Total	244	11,977	26,379	46,519	1,800
<i>Multiplier</i>	<i>34.9</i>	<i>10.0</i>	<i>18.9</i>	<i>14.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oregon economy. Table 389 examines the sources of the employment figures in the second column of Table 388. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 92% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 8%.

Table 389: NASA Employment Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	7	36.8	0	0.0	7	2.9	100.0	0.0
Indirect	0	0.0	140	62.2	140	57.4	0.0	100.0
Induced	12	63.2	85	37.8	97	39.8	12.4	87.6
Total	19	100	225	100	244	100	7.8	92.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 390 examines the sources of the output figures in the fifth column of Table 388. Procurement spending is responsible for approximately 89% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 11%.

Table 390: NASA Output Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,202	62.2	0	0.0	3,202	6.9	100.0	0.0
Indirect	0	0.0	27,333	66.1	27,333	58.8	0.0	100.0
Induced	1,947	37.8	14,037	33.9	15,984	34.4	12.2	87.8
Total	5,149	100	41,370	100	46,519	100	11.1	88.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Oregon had two M2M-related civil service employees (<1 FTE) with a corresponding labor income of \$51,000. M2M campaign contracts sourced in the state in the same year totaled \$1.4 million. The total Oregon employment impact is 16 jobs. The labor income and economic output associated with this employment are \$1.3 million and \$3.7 million, respectively. The M2M campaign generates \$149,000 in tax revenues for the state and local governments in Oregon (Table 391).

Table 391: Summary of M2M Campaign Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	51	87	199	3
Indirect	9	862	1,637	2,288	82
Induced	7	417	706	1,240	64
Total	16	1,330	2,430	3,727	149
<i>Multiplier</i>	<i>39.8</i>	<i>26.1</i>	<i>27.9</i>	<i>18.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oregon economy. More than 94 percent of the employment impacts and 92 percent of the output impacts are due to NASA procurement sourced within the state.

Table 392: M2M Campaign Employment Impacts by Sources of Impact, Oregon

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	44.1	0	0.0	<1	2.5	100.0	0.0
Indirect	0	0.0	9	60.0	9	54.8	0.0	100.0
Induced	1	55.9	6	40.0	7	42.7	7.0	93.0
Total	1	100	15	100	16	100	5.7	94.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 393: M2M Campaign Output Impacts by Sources of Impact, Oregon

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	199	69.6	0	0.0	199	5.3	100.0	0.0
Indirect	0	0.0	2,288	66.5	2,288	61.4	0.0	100.0
Induced	87	30.4	1,153	33.5	1,240	33.3	7.0	93.0
Total	286	100	3,441	100	3,727	100	7.7	92.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

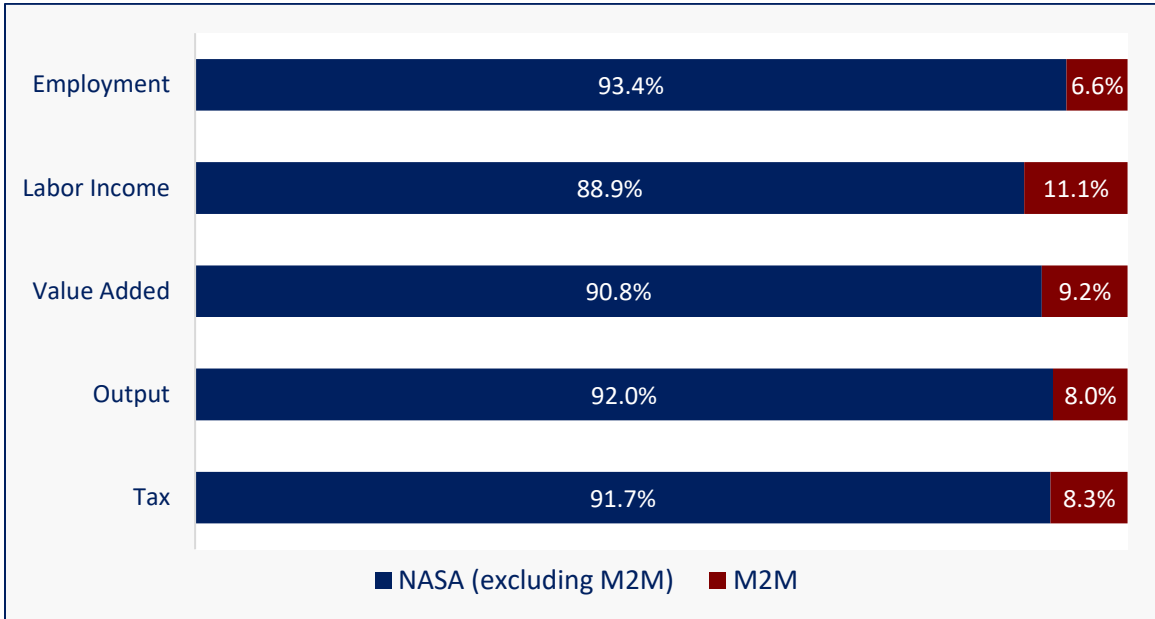
The M2M Campaign’s Share of NASA Impacts

Around 9% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 394 and Figure 112). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 394: The M2M Campaign Portion of Overall NASA Impacts, Oregon

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	244	11,977	26,379	46,519	1,800
M2M Portion	16	1,330	2,430	3,727	149
M2M Share (%)	6.6%	11.1%	9.2%	8.0%	8.3%

Figure 112: The M2M Campaign Portion of Overall NASA Impacts, Oregon



Investments in Climate Change Research and Technology Impacts

In 2021, Oregon had four climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$131,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$9.7 million. The total Oregon employment impact is 133 jobs. The labor income and economic output associated with this employment are \$8.4 million and \$24.8 million, respectively. The investments in climate change research and technology generate \$960,000 in tax revenues for the state and local governments in Oregon (Table 395).

Table 395: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	131	172	394	7
Indirect	80	5,561	9,176	16,070	522
Induced	52	2,674	4,522	8,356	431
Total	133	8,366	13,870	24,820	960
<i>Multiplier</i>	<i>133.0</i>	<i>63.9</i>	<i>80.6</i>	<i>63.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Oregon economy. More than 98 percent of the employment impacts and nearly 98 percent of the output impacts are due to NASA procurement sourced within the state.

Table 396: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Oregon

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.8	100.0	0.0
Indirect	0	0.0	80	61.1	80	60.2	0.0	100.0
Induced	1	50.0	51	38.9	52	39.1	1.9	98.1
Total	2	100	131	100	133	100	1.5	98.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 397: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Oregon

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	394	65.3	0	0.0	394	1.6	100.0	0.0
Indirect	0	0.0	16,070	66.4	16,070	64.7	0.0	100.0
Induced	209	34.7	8,147	33.6	8,356	33.7	2.5	97.5
Total	603	100	24,217	100	24,820	100	2.4	97.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

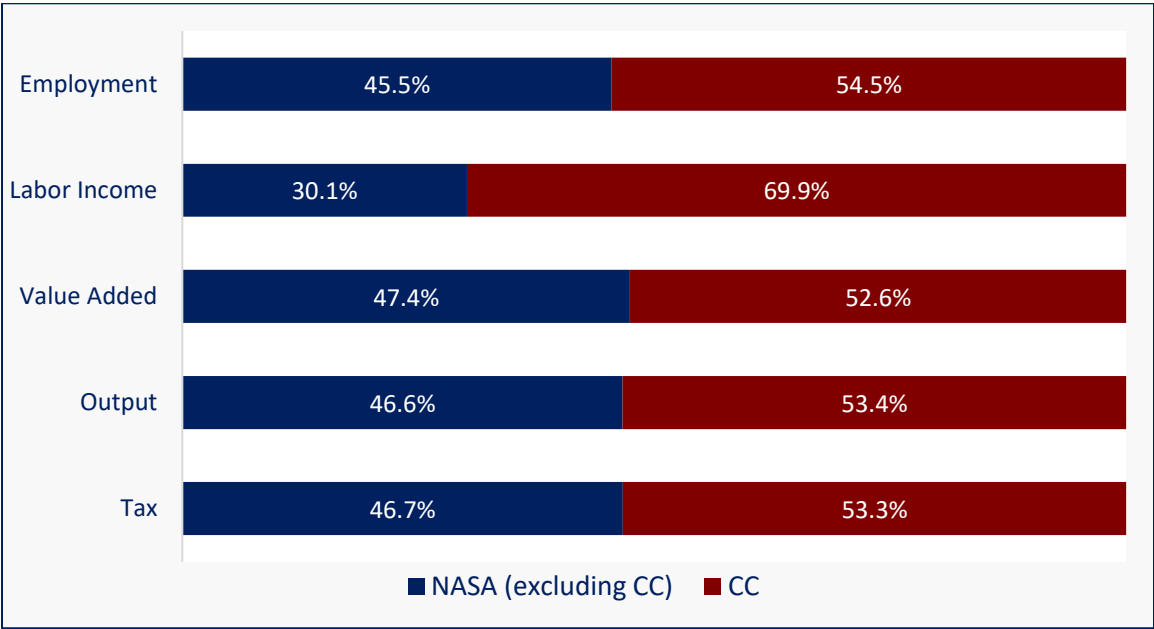
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 57% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 398 and Figure 113). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 398: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Oregon

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	244	11,977	26,379	46,519	1,800
CC Portion	133	8,366	13,870	24,820	960
CC Share (%)	54.5%	69.9%	52.6%	53.4%	53.3%

Figure 113: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Oregon



Economic Impacts on the State of Pennsylvania

NASA Impacts

In 2021, 52 NASA civil service employees (35 FTEs) residing in Pennsylvania earned \$5.6 million in labor income. NASA contracts sourced in Pennsylvania in the same year totaled \$119.3 million. The total economic impact resulting from these activities is 1,870 jobs, \$145.9 million in labor income, and \$377.6 million in economic output. These economic activities generate \$14.6 million in tax revenues for the state and local governments in Pennsylvania (Table 399).

Table 399: Summary of NASA Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	35	5,665	7,372	16,864	145
Indirect	952	86,974	117,037	207,146	6,044
Induced	883	53,248	87,154	153,553	8,372
Total	1,870	145,887	211,563	377,563	14,561
<i>Multiplier</i>	<i>53.4</i>	<i>25.8</i>	<i>28.7</i>	<i>22.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Pennsylvania economy. Table 400 examines the sources of the employment figures in the second column of Table 399. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-five (95) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 5%.

Table 400: NASA Employment Impacts by Sources of Impact, Pennsylvania

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	35	36.1	0	0.0	35	1.9	100.0	0.0
Indirect	0	0.0	952	53.7	952	50.9	0.0	100.0
Induced	62	63.9	821	46.3	883	47.2	7.0	93.0
Total	97	100	1,773	100	1,870	100	5.2	94.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 401 examines the sources of the output figures in the fifth column of Table 399. Procurement spending is responsible for nearly 93% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 7%.

Table 401: NASA Output Impacts by Sources of Impact, Pennsylvania

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	16,864	61.1	0	0.0	16,864	4.5	100.0	0.0
Indirect	0	0.0	207,146	59.2	207,146	54.9	0.0	100.0
Induced	10,729	38.9	142,824	40.8	153,553	40.7	7.0	93.0
Total	27,593	100	349,970	100	377,563	100	7.3	92.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Pennsylvania had three M2M-related civil service employees (2 FTEs) with a corresponding labor income of \$189,000. M2M campaign contracts sourced in the state in the same year totaled more than \$66.9 million. The total Pennsylvania employment impact is 977 jobs. The labor income and economic output associated with this employment are \$81.2 million and \$202.3 million, respectively. The M2M campaign generates \$7.8 million in tax revenues for the state and local governments in Pennsylvania (Table 402).

Table 402: Summary of M2M Campaign Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	189	340	779	5
Indirect	493	50,349	66,694	116,342	3,136
Induced	482	30,696	49,380	85,166	4,643
Total	977	81,234	116,414	202,287	7,784
<i>Multiplier</i>	<i>488.5</i>	<i>429.8</i>	<i>342.4</i>	<i>259.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of

intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Pennsylvania economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 403: M2M Campaign Employment Impacts by Sources of Impact, Pennsylvania

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	2	50.0	0	0.0	2	0.2	100.0	0.0
Indirect	0	0.0	493	50.7	493	50.5	0.0	100.0
Induced	2	50.0	480	49.3	482	49.3	0.4	99.6
Total	4	100	973	100	977	100	0.4	99.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 404: M2M Campaign Output Impacts by Sources of Impact, Pennsylvania

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	779	67.3	0	0.0	779	0.4	100.0	0.0
Indirect	0	0.0	116,342	57.8	116,342	57.5	0.0	100.0
Induced	378	32.7	84,788	42.2	85,166	42.1	0.4	99.6
Total	1,157	100	201,130	100	202,287	100	0.6	99.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

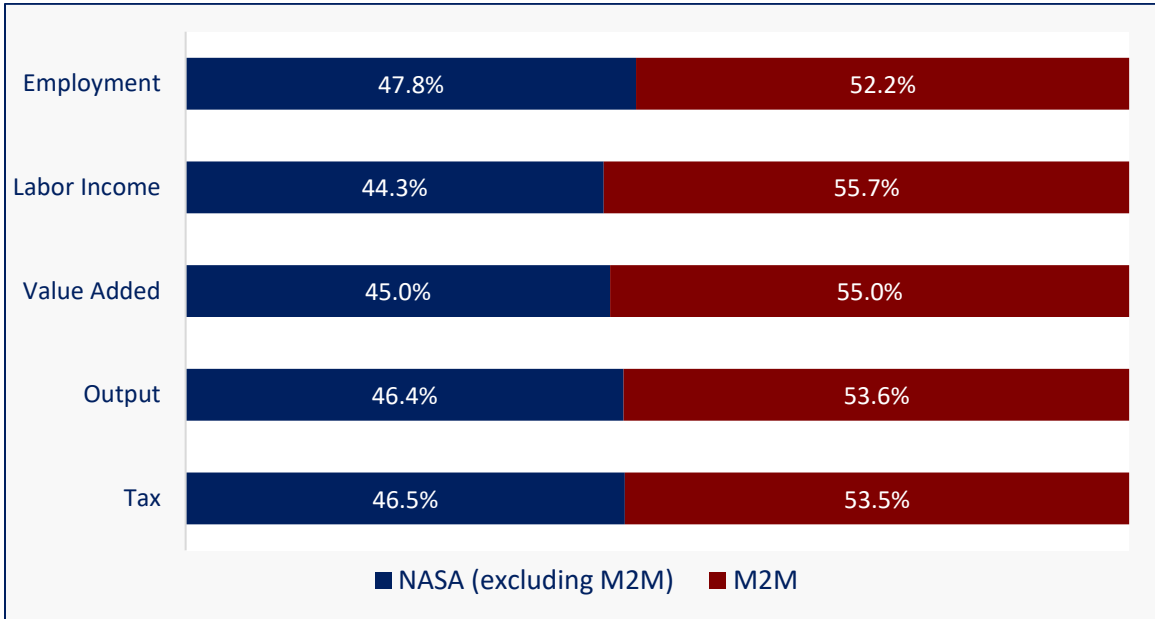
The M2M Campaign’s Share of NASA Impacts

Around 54% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 405 and Figure 114). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 405: The M2M Campaign Portion of Overall NASA Impacts, Pennsylvania

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,870	145,887	211,563	377,563	14,561
M2M Portion	977	81,234	116,414	202,287	7,784
M2M Share (%)	52.2%	55.7%	55.0%	53.6%	53.5%

Figure 114: The M2M Campaign Portion of Overall NASA Impacts, Pennsylvania



Investments in Climate Change Research and Technology Impacts

In 2021, Pennsylvania had 18 climate change research and technology-related civil service employees (7 FTEs) with a corresponding labor income of nearly \$1.2 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled more than \$17.7 million. The total Pennsylvania employment impact is 288 jobs. The labor income and economic output associated with this employment are \$20.9 million and \$54.4 million, respectively. The investments in climate change research and technology generate \$2.1 million in tax revenues for the state and local governments in Pennsylvania (Table 406).

Table 406: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,153	1,507	3,447	30
Indirect	149	12,131	16,441	28,455	830
Induced	132	7,613	12,488	22,537	1,229
Total	288	20,897	30,436	54,439	2,089
<i>Multiplier</i>	<i>41.1</i>	<i>18.1</i>	<i>20.2</i>	<i>15.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Pennsylvania economy. More than 93 percent of the employment and nearly 90 percent of output impacts are due to NASA procurement sourced within the state.

Table 407: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Pennsylvania

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	7	35.0	0	0.0	7	2.4	100.0	0.0
Indirect	0	0.0	149	55.6	149	51.7	0.0	100.0
Induced	13	65.0	119	44.4	132	45.8	9.8	90.2
Total	20	100	268	100	288	100	6.9	93.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 408: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Pennsylvania

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,447	61.6	0	0.0	3,447	6.3	100.0	0.0
Indirect	0	0.0	28,455	58.3	28,455	52.3	0.0	100.0
Induced	2,151	38.4	20,386	41.7	22,537	41.4	9.5	90.5
Total	5,598	100	48,841	100	54,439	100	10.3	89.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

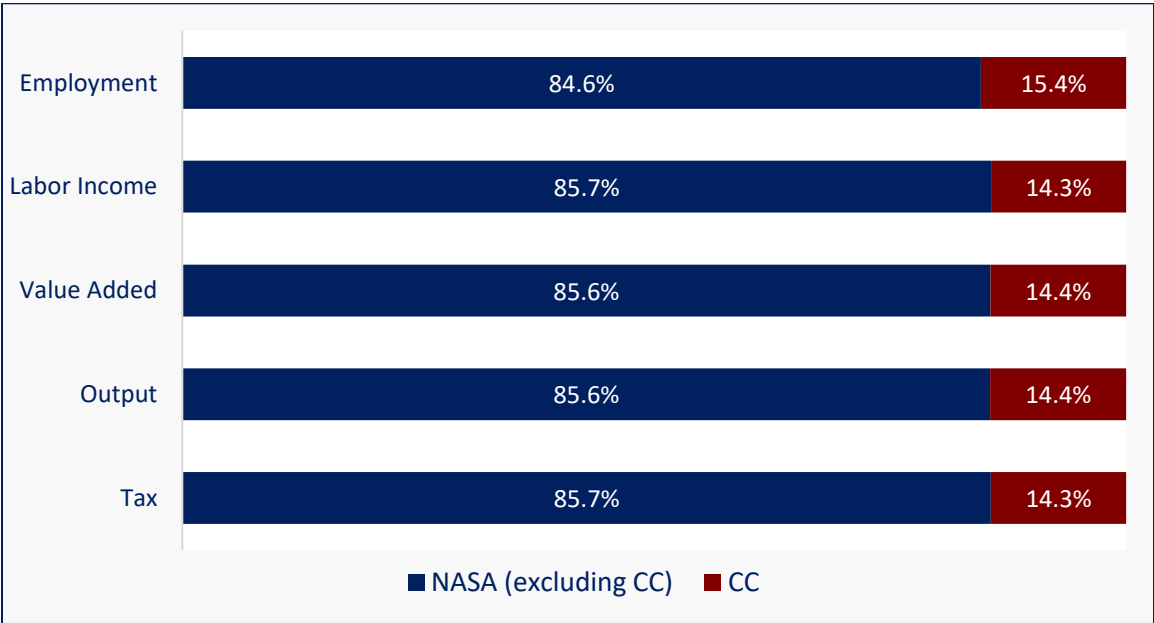
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 15% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 409 and Figure 115). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 409: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Pennsylvania

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,870	145,887	211,563	377,563	14,561
CC Portion	288	20,897	30,436	54,439	2,089
CC Share (%)	15.4%	14.3%	14.4%	14.4%	14.3%

Figure 115: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Pennsylvania



Economic Impacts on the State of Rhode Island

NASA Impacts

In 2021, one NASA civil service employee (1 FTE) residing in Rhode Island earned \$181,000 in labor income. NASA contracts sourced in Rhode Island in the same year totaled \$5.9 million. The total economic impact resulting from these activities is 86 jobs, \$5.6 million in labor income, and \$15.9 million in economic output. These economic activities generate \$668,000 in tax revenues for the state and local governments in Rhode Island (Table 410).

Table 410: Summary of NASA Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	181	213	487	5
Indirect	53	3,644	5,217	10,224	321
Induced	32	1,741	3,060	5,172	342
Total	86	5,566	8,490	15,883	668
<i>Multiplier</i>	<i>86.0</i>	<i>30.8</i>	<i>39.9</i>	<i>32.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Rhode Island economy. Table 411 examines the sources of the employment figures in the second column of Table 410. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 96% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is nearly 4%.

Table 411: NASA Employment Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1	33.3	0	0.0	1	1.2	100.0	0.0
Indirect	0	0.0	53	63.9	53	61.6	0.0	100.0
Induced	2	66.7	30	36.1	32	37.2	6.3	93.8
Total	3	100	83	100	86	100	3.5	96.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 412 examines the sources of the output figures in the fifth column of Table 410. Procurement spending is responsible for 95% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 5%.

Table 412: NASA Output Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	487	64.2	0	0.0	487	3.1	100.0	0.0
Indirect	0	0.0	10,224	67.6	10,224	64.4	0.0	100.0
Induced	272	35.8	4,900	32.4	5,172	32.6	5.3	94.7
Total	759	100	15,124	100	15,883	100	4.8	95.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Rhode Island in FY 2021, but \$2.3 million in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 32 jobs, \$2.2 million in labor income, and \$6.0 million worth of output. These economic activities generate \$259,000 in tax revenues for the state and local governments in Rhode Island (Table 413).

Table 413: Summary of M2M Campaign Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	20	1,472	2,081	4,002	124
Induced	12	708	1,225	2,042	135
Total	32	2,180	3,306	6,044	259
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

The M2M Campaign’s Share of NASA Impacts

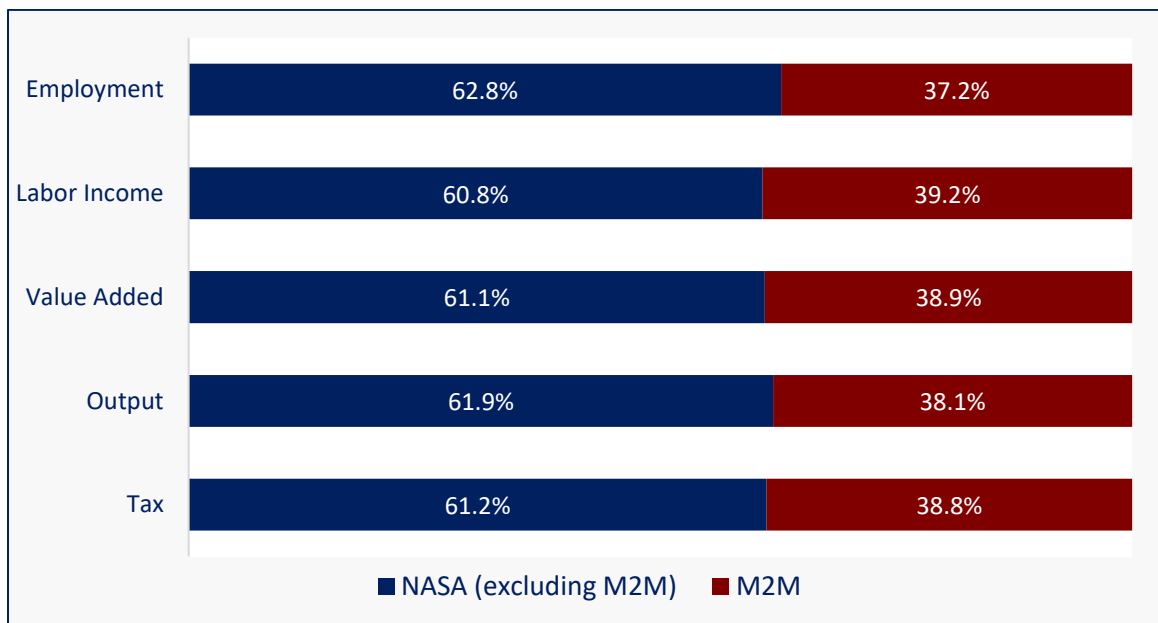
Around 38% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 414 and Figure 116). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and

spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 414: The M2M Campaign Portion of Overall NASA Impacts, Rhode Island

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	86	5,566	8,490	15,883	668
M2M Portion	32	2,180	3,306	6,044	259
M2M Share (%)	37.2%	39.2%	38.9%	38.1%	38.8%

Figure 116: The M2M Campaign Portion of Overall NASA Impacts, Rhode Island



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Rhode Island in FY 2021, but \$1.4 million in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 19 jobs, \$1.2 million in labor income, and \$3.5 million worth of output. These economic activities generate \$147,000 in tax revenues for the state and local governments in Rhode Island (Table 415).

Table 415: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	12	824	1,197	2,375	74
Induced	7	364	639	1,105	73
Total	19	1,188	1,836	3,480	147
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

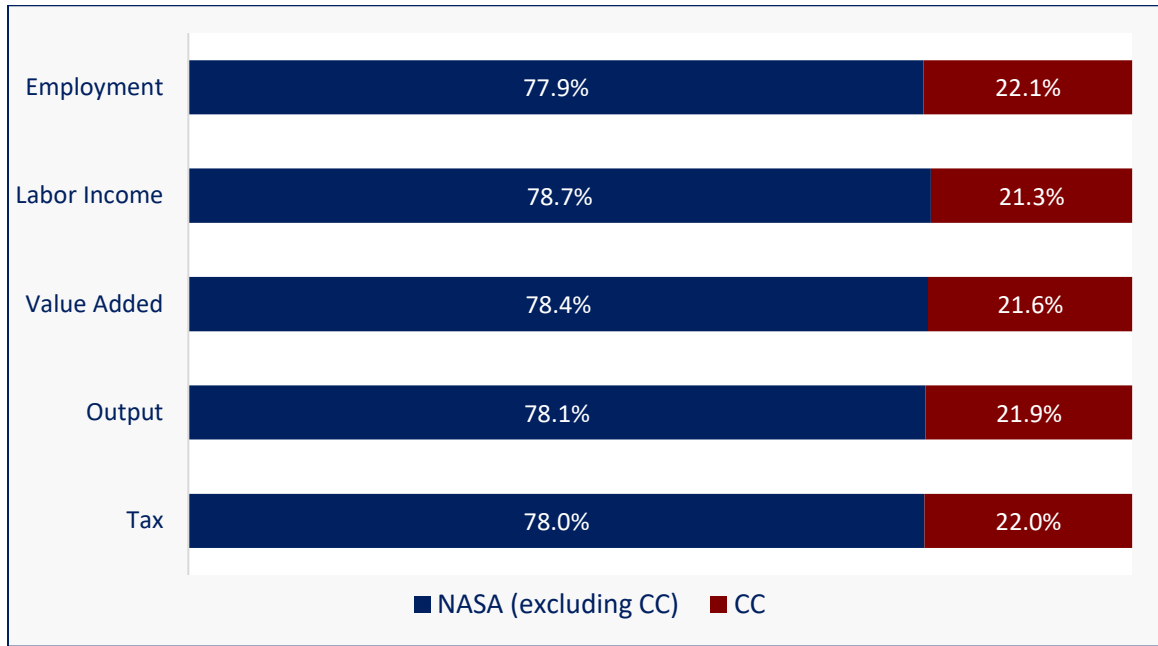
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 22% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 416 and Figure 117). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 416: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Rhode Island

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	86	5,566	8,490	15,883	668
CC Portion	19	1,188	1,836	3,480	147
CC Share (%)	22.1%	21.3%	21.6%	21.9%	22.0%

Figure 117: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Rhode Island



Economic Impacts on the State of South Carolina

NASA Impacts

In 2021, 15 NASA civil service employees (9 FTEs) residing in South Carolina earned \$1.7 million in labor income. NASA contracts sourced in South Carolina in the same year totaled \$14.1 million. The total economic impact resulting from these activities is 250 jobs, \$15.4 million in labor income, and \$42.3 million in economic output. These economic activities generate \$1.5 million in tax revenues for the state and local governments in South Carolina (Table 417).

Table 417: Summary of NASA Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,729	1,922	4,396	45
Indirect	149	9,506	12,590	23,702	627
Induced	92	4,151	7,459	14,179	839
Total	250	15,386	21,971	42,277	1,511
<i>Multiplier</i>	<i>27.8</i>	<i>8.9</i>	<i>11.4</i>	<i>9.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the South Carolina economy. Table 418 examines the sources of the employment figures in the second column of Table 417. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety (90) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 10%.

Table 418: NASA Employment Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	9	36.0	0	0.0	9	3.6	100.0	0.0
Indirect	0	0.0	149	66.2	149	59.6	0.0	100.0
Induced	16	64.0	76	33.8	92	36.8	17.4	82.6
Total	25	100	225	100	250	100	10.0	90.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 419 examines the sources of the output figures in the fifth column of Table 417. Procurement spending is responsible for approximately 84% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 16%.

Table 419: NASA Output Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,396	64.3	0	0.0	4,396	10.4	100.0	0.0
Indirect	0	0.0	23,702	66.9	23,702	56.1	0.0	100.0
Induced	2,444	35.7	11,735	33.1	14,179	33.5	17.2	82.8
Total	6,840	100	35,437	100	42,277	100	16.2	83.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in South Carolina in FY 2021, but \$119,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is two jobs, \$100,000 in labor income, and \$299,000 worth of output. These economic activities generate \$12,000 in tax revenues for the state and local governments in South Carolina (Table 420).

Table 420: Summary of M2M Campaign Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	1	71	103	201	6
Induced	1	29	51	98	6
Total	2	100	154	299	12
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

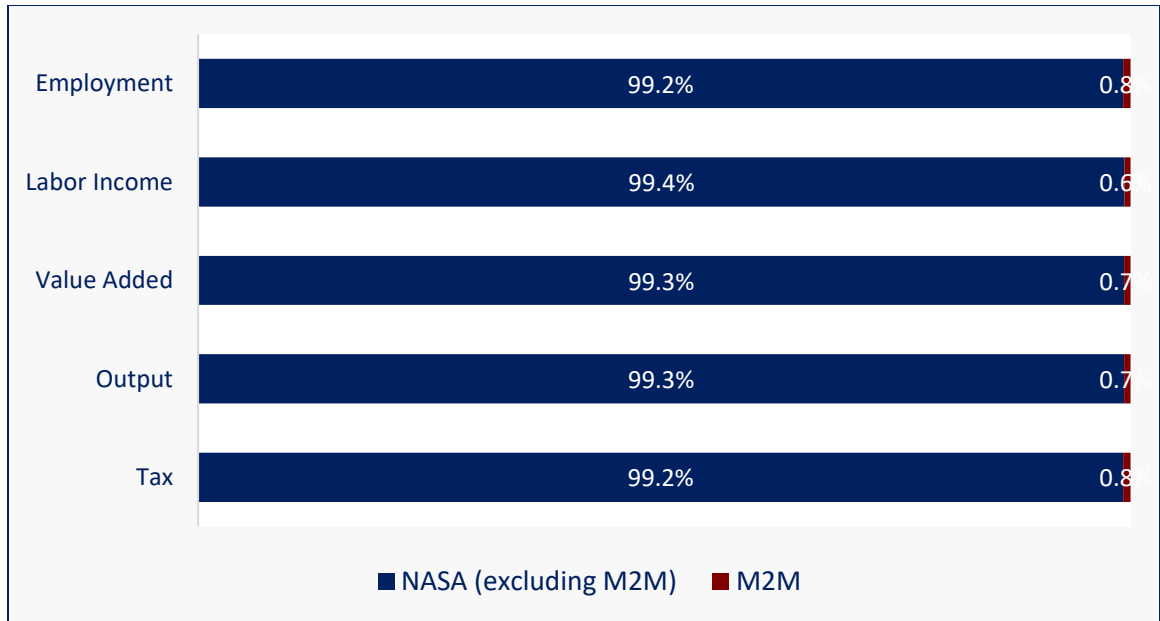
The M2M Campaign’s Share of NASA Impacts

Less than 1% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 421 and Figure 118).

Table 421: The M2M Campaign Portion of Overall NASA Impacts, South Carolina

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	250	15,386	21,971	42,277	1,511
M2M Portion	2	100	154	299	12
M2M Share (%)	0.8%	0.6%	0.7%	0.7%	0.8%

Figure 118: The M2M Campaign Portion of Overall NASA Impacts, South Carolina



Investments in Climate Change Research and Technology Impacts

In 2021, South Carolina had three climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$140,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$1.7 million. The total South Carolina employment impact is 28 jobs. The labor income and economic output associated with this employment are \$1.5 million and \$4.5 million, respectively. The investments in climate change research and technology generate \$164,000 in tax revenues for the state and local governments in South Carolina (Table 422).

Table 422: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	140	152	348	4
Indirect	18	962	1,426	2,783	76
Induced	9	403	723	1,418	84
Total	28	1,505	2,301	4,549	164
<i>Multiplier</i>	<i>28.0</i>	<i>10.8</i>	<i>15.1</i>	<i>13.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the South Carolina economy. Ninety-three (93) percent of the employment impacts and 88 percent of the output impacts are due to NASA procurement sourced within the state.

Table 423: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, South Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	3.6	100.0	0.0
Indirect	0	0.0	18	69.2	18	64.3	0.0	100.0
Induced	1	50.0	8	30.8	9	32.1	11.1	88.9
Total	2	100	26	100	28	100	7.1	92.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 424: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, South Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	348	64.0	0	0.0	348	7.7	100.0	0.0
Indirect	0	0.0	2,783	69.5	2,783	61.2	0.0	100.0
Induced	196	36.0	1,222	30.5	1,418	31.2	13.8	86.2
Total	544	100	4,005	100	4,549	100	12.0	88.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

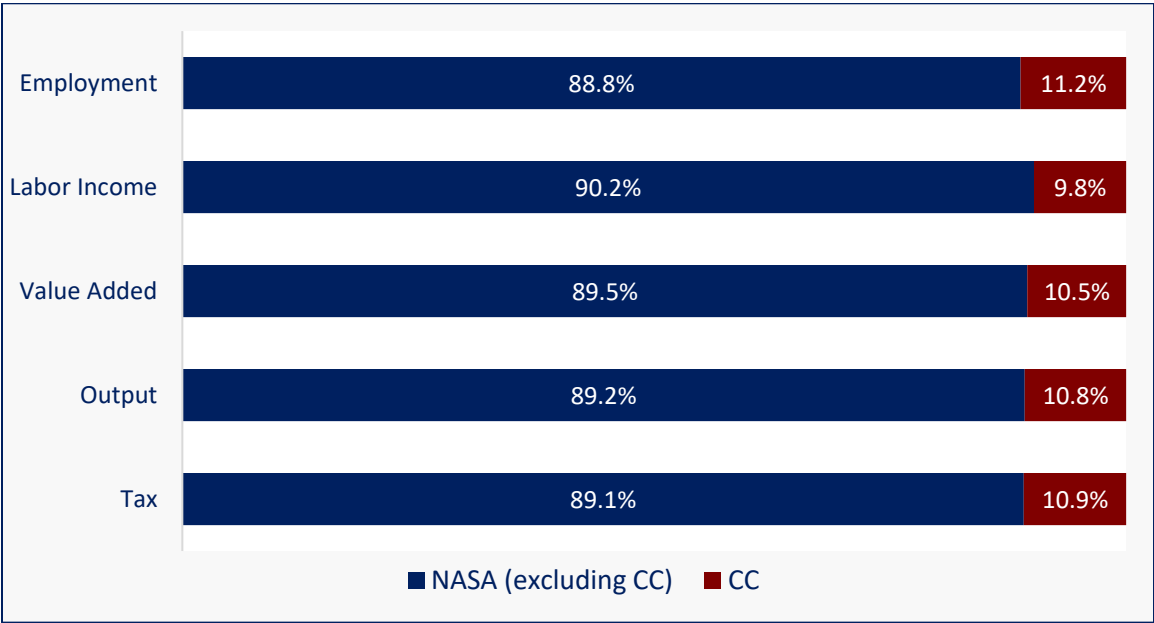
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 11% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 425 and Figure 119). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 425: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, South Carolina

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	250	15,386	21,971	42,277	1,511
CC Portion	28	1,505	2,301	4,549	164
CC Share (%)	11.2%	9.8%	10.5%	10.8%	10.9%

Figure 119: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, South Carolina



Economic Impacts on the State of South Dakota

NASA Impacts

In 2021, three NASA civil service employees (1 FTE) residing in South Dakota earned \$174,000 in labor income. NASA contracts sourced in South Dakota in the same year totaled \$14.3 million. The total economic impact resulting from these activities is 153 jobs, \$10.8 million in labor income, and \$36.8 million in economic output (Table 426).³⁹

Table 426: Summary of NASA Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	174	317	726	1
Indirect	98	7,884	12,362	27,294	-637
Induced	54	2,695	4,816	8,796	391
Total	153	10,753	17,495	36,816	-245
<i>Multiplier</i>	<i>153.0</i>	<i>61.8</i>	<i>55.2</i>	<i>50.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the South Dakota economy. Table 427 examines the sources of the employment figures in the second column of Table 426. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-eight (98) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 2%.

Table 427: NASA Employment Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	1	33.3	0	0.0	1	0.7	100.0	0.0
Indirect	0	0.0	98	65.3	98	64.1	0.0	100.0
Induced	2	66.7	52	34.7	54	35.3	3.7	96.3
Total	3	100	150	100	153	100	2.0	98.0

³⁹ Negative tax figures indicate that government subsidies for the impacted industries exceed the tax revenues generated.

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 428 examines the sources of the output figures in the fifth column of Table 426. Procurement spending is responsible for 97% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 3%.

Table 428: NASA Output Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	726	74.2	0	0.0	726	2.0	100.0	0.0
Indirect	0	0.0	27,294	76.2	27,294	74.1	0.0	100.0
Induced	252	25.8	8,544	23.8	8,796	23.9	2.9	97.1
Total	978	100	35,838	100	36,816	100	2.7	97.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, South Dakota had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of \$12,000. M2M campaign contracts sourced in the state in the same year totaled \$653,000. The total South Dakota employment impact is seven jobs. The labor income and economic output associated with this employment are \$468,000 and \$1.5 million, respectively. The M2M campaign generates \$42,000 in tax revenues for the state and local governments in South Dakota (Table 429).

Table 429: Summary of M2M Campaign Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	12	19	43	<1
Indirect	5	327	521	1,042	23
Induced	2	129	229	413	19
Total	7	468	769	1,498	42
<i>Multiplier</i>	<i>79.3</i>	<i>39.0</i>	<i>40.5</i>	<i>34.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the South Dakota economy. More than 97 percent of the employment impacts and nearly 96 percent of the output impacts are due to NASA procurement sourced within the state.

Table 430: M2M Campaign Employment Impacts by Sources of Impact, South Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	44.0	0	0.0	<1	1.3	100.0	0.0
Indirect	0	0.0	5	71.4	5	71.1	0.0	100.0
Induced	<1	56.0	2	28.6	2	27.6	4.5	95.5
Total	<1	100	7	100	7	100	2.9	97.1

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 431: M2M Campaign Output Impacts by Sources of Impact, South Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	43	69.4	0	0.0	43	2.9	100.0	0.0
Indirect	0	0.0	1,042	72.6	1,042	69.6	0.0	100.0
Induced	19	30.6	394	27.4	413	27.6	4.6	95.4
Total	62	100	1,436	100	1,498	100	4.1	95.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

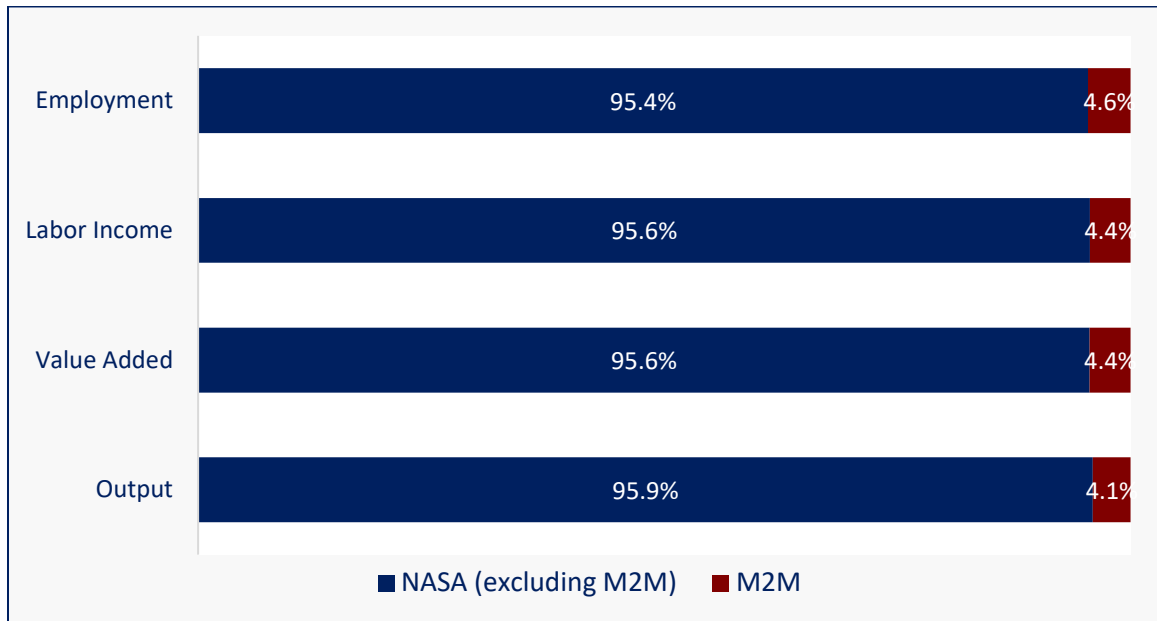
The M2M Campaign’s Share of NASA Impacts

Around 4% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 432 and Figure 120).

Table 432: The M2M Campaign Portion of Overall NASA Impacts, South Dakota

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	153	10,753	17,495	36,816	n.a.
M2M Portion	7	468	769	1,498	n.a.
M2M Share (%)	4.6%	4.4%	4.4%	4.1%	n.a.

Figure 120: The M2M Campaign Portion of Overall NASA Impacts, South Dakota



Investments in Climate Change Research and Technology Impacts

In 2021, South Dakota had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$8,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$9.8 million. The total South Dakota employment impact is 107 jobs. The labor income and economic output associated with this employment are \$7.1 million and \$26.1 million, respectively (Table 433).

Table 433: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	8	13	29	<1
Indirect	70	5,259	8,132	20,093	-802
Induced	37	1,786	3,178	5,935	264
Total	107	7,053	11,323	26,057	-538
<i>Multiplier</i>	<i>1798.5</i>	<i>881.6</i>	<i>871.0</i>	<i>898.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the South Dakota economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 434: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, South Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	44.0	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	70	65.4	70	65.4	0.0	100.0
Induced	<1	56.0	37	34.6	37	34.5	0.2	99.8
Total	<1	100	107	100	107	100	0.1	99.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 435: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, South Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	29	70.7	0	0.0	29	0.1	100.0	0.0
Indirect	0	0.0	20,093	77.2	20,093	77.1	0.0	100.0
Induced	12	29.3	5,923	22.8	5,935	22.8	0.2	99.8
Total	41	100	26,016	100	26,057	100	0.2	99.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

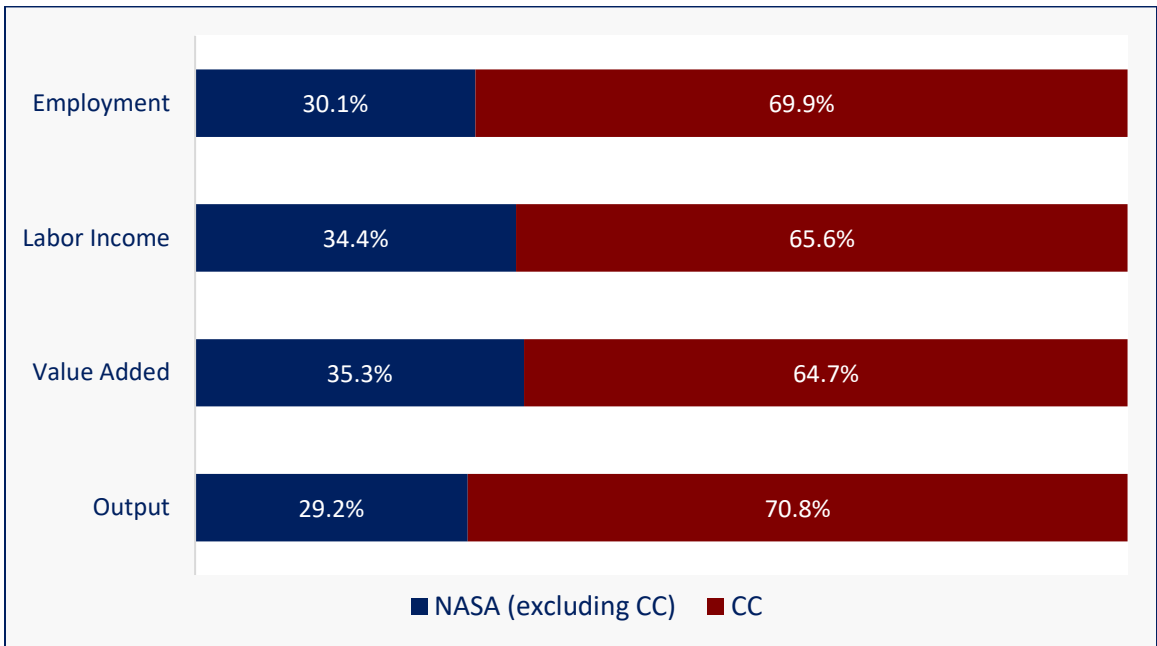
The Investments in Climate Change Research and Technology's Share of NASA Impacts

Around 68% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 436 and Figure 121). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 436: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, South Dakota

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	153	10,753	17,495	36,816	n.a.
CC Portion	107	7,053	11,323	26,057	n.a.
CC Share (%)	69.9%	65.6%	64.7%	70.8%	n.a.

Figure 121: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, South Dakota



Economic Impacts on the State of Tennessee

NASA Impacts

In 2021, 88 NASA civil service employees (75 FTEs) residing in Tennessee earned \$13.5 million in labor income. NASA contracts sourced in Tennessee in the same year totaled \$109.8 million. The total economic impact resulting from these activities is 1,645 jobs, \$118.8 million in labor income, and \$340.4 million in economic output. These economic activities generate nearly \$9.9 million in tax revenues for the state and local governments in Tennessee (Table 437).

Table 437: Summary of NASA Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	75	13,518	15,961	36,514	82
Indirect	896	67,389	102,907	189,483	3,562
Induced	674	37,912	62,963	114,434	6,228
Total	1,645	118,819	181,831	340,431	9,872
<i>Multiplier</i>	<i>21.9</i>	<i>8.8</i>	<i>11.4</i>	<i>9.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Tennessee economy. Table 438 examines the sources of the employment figures in the second column of Table 437. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 87% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 13%.

Table 438: NASA Employment Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	75	35.9	0	0.0	75	4.6	100.0	0.0
Indirect	0	0.0	896	62.4	896	54.5	0.0	100.0
Induced	134	64.1	540	37.6	674	41.0	19.9	80.1
Total	209	100	1,436	100	1,645	100	12.7	87.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 439 examines the sources of the output figures in the fifth column of Table 436. Procurement spending is responsible for nearly 83% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 17%.

Table 439: NASA Output Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	36,514	61.6	0	0.0	36,514	10.7	100.0	0.0
Indirect	0	0.0	189,483	67.4	189,483	55.7	0.0	100.0
Induced	22,783	38.4	91,651	32.6	114,434	33.6	19.9	80.1
Total	59,297	100	281,134	100	340,431	100	17.4	82.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Tennessee had 33 M2M-related civil service employees (14 FTEs) with a corresponding labor income of \$2.6 million. M2M campaign contracts sourced in the state in the same year totaled \$1.1 million. The total Tennessee employment impact is 57 jobs. The labor income and economic output associated with this employment are \$5.3 million and \$14.7 million, respectively. The M2M campaign generates \$367,000 in tax revenues for the state and local governments in Tennessee (Table 440).

Table 440: Summary of M2M Campaign Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	14	2,578	3,071	7,025	16
Indirect	10	794	1,149	2,134	46
Induced	33	1,899	3,162	5,591	305
Total	57	5,271	7,382	14,750	367
<i>Multiplier</i>	<i>4.1</i>	<i>2.0</i>	<i>2.4</i>	<i>2.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Tennessee economy. Approximately 30 percent of the employment impacts and 22 percent of the output impacts are due to NASA procurement sourced within the state.

Table 441: M2M Campaign Employment Impacts by Sources of Impact, Tennessee

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	14	35.0	0	0.0	14	24.6	100.0	0.0
Indirect	0	0.0	10	58.8	10	17.5	0.0	100.0
Induced	26	65.0	7	41.2	33	57.9	78.8	21.2
Total	40	100	17	100	57	100	70.2	29.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 442: M2M Campaign Output Impacts by Sources of Impact, Tennessee

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	7,025	60.9	0	0.0	7,025	47.6	100.0	0.0
Indirect	0	0.0	2,134	66.4	2,134	14.5	0.0	100.0
Induced	4,510	39.1	1,081	33.6	5,591	37.9	80.7	19.3
Total	11,535	100	3,215	100	14,750	100	78.2	21.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

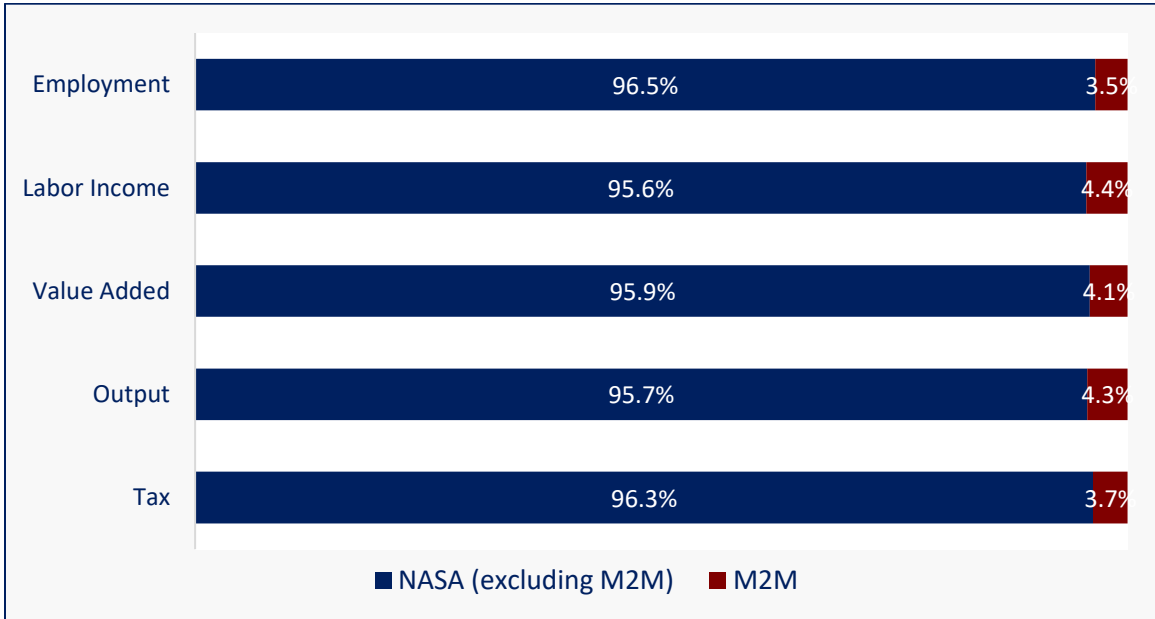
The M2M Campaign's Share of NASA Impacts

Around 4% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 443 and Figure 122). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 443: The M2M Campaign Portion of Overall NASA Impacts, Tennessee

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,645	118,819	181,831	340,431	9,872
M2M Portion	57	5,271	7,382	14,750	367
M2M Share (%)	3.5%	4.4%	4.1%	4.3%	3.7%

Figure 122: The M2M Campaign Portion of Overall NASA Impacts, Tennessee



Investments in Climate Change Research and Technology Impacts

In 2021, Tennessee had nine climate change research and technology-related civil service employees (2 FTEs) with a corresponding labor income of \$356,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$20.9 million. The total Tennessee employment impact is 295 jobs. The labor income and economic output associated with this employment are \$19.1 million and \$58.5 million, respectively. The investments in climate change research and technology generate \$2.1 million in tax revenues for the state and local governments in Tennessee (Table 444).

Table 444: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	356	479	1,095	2
Indirect	184	12,877	19,727	39,103	1,065
Induced	109	5,863	9,701	18,267	994
Total	295	19,096	29,907	58,465	2,061
<i>Multiplier</i>	<i>147.5</i>	<i>53.6</i>	<i>62.4</i>	<i>53.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Tennessee economy. Ninety-eight (98) percent of the employment impacts and 97 percent of the output impacts are due to NASA procurement sourced within the state.

Table 445: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Tennessee

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	2	33.3	0	0.0	2	0.7	100.0	0.0
Indirect	0	0.0	184	63.7	184	62.4	0.0	100.0
Induced	4	66.7	105	36.3	109	36.9	3.7	96.3
Total	6	100	289	100	295	100	2.0	98.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 446: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Tennessee

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,095	64.4	0	0.0	1,095	1.9	100.0	0.0
Indirect	0	0.0	39,103	68.9	39,103	66.9	0.0	100.0
Induced	604	35.6	17,663	31.1	18,267	31.2	3.3	96.7
Total	1,699	100	56,766	100	58,465	100	2.9	97.1

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

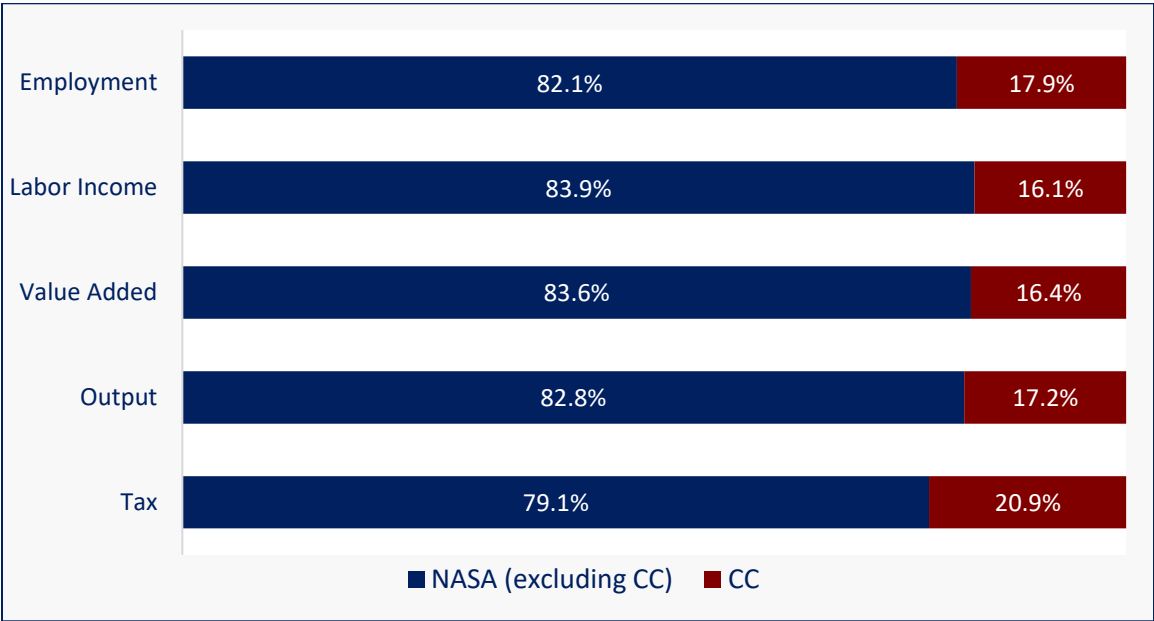
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 18% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 447 and Figure 123). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 447: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Tennessee

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	1,645	118,819	181,831	340,431	9,872
CC Portion	295	19,096	29,907	58,465	2,061
CC Share (%)	17.9%	16.1%	16.4%	17.2%	20.9%

Figure 123: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Tennessee



Economic Impacts on the State of Texas

NASA Impacts

In 2021, 3,162 NASA civil service employees (2,948 FTEs) residing in Texas earned more than \$573 million in labor income. NASA contracts sourced in Texas in the same year totaled nearly \$2.3 billion. The total economic impact resulting from these activities is 41,937 jobs, \$3.2 billion in labor income, and \$9.3 billion in economic output. These economic activities generate \$240.6 million in tax revenues for the state and local governments in Texas (Table 448).

The employment multiplier is 14.2, meaning that for every NASA job located in Texas, an additional 13.2 jobs are supported in the state economy. The output multiplier of 6.5 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$5.5 million worth of output is sustained throughout the state economy.

Table 448: Summary of NASA Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,948	573,109	627,858	1,436,368	3,928
Indirect	18,505	1,531,224	2,287,199	4,137,720	70,087
Induced	20,484	1,134,097	1,925,641	3,705,622	166,633
Total	41,937	3,238,430	4,840,698	9,279,710	240,648
<i>Multiplier</i>	<i>14.2</i>	<i>5.7</i>	<i>7.7</i>	<i>6.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Texas economy. Table 449 examines the sources of the employment figures in the second column of Table 448. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. More than 78% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 22%.

Table 449: NASA Employment Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2,948	32.2	0	0.0	2,948	7.0	100.0	0.0
Indirect	0	0.0	18,505	56.5	18,505	44.1	0.0	100.0
Induced	6,211	67.8	14,273	43.5	20,484	48.8	30.3	69.7
Total	9,159	100	32,778	100	41,937	100	21.8	78.2

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 450 examines the sources of the output figures in the fifth column of Table 448. Procurement spending is responsible for 72% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 28%. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 450: NASA Output Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,436,368	56.1	0	0.0	1,436,368	15.5	100.0	0.0
Indirect	0	0.0	4,137,720	61.6	4,137,720	44.6	0.0	100.0
Induced	1,124,036	43.9	2,581,586	38.4	3,705,622	39.9	30.3	69.7
Total	2,560,404	100	6,719,306	100	9,279,710	100	27.6	72.4

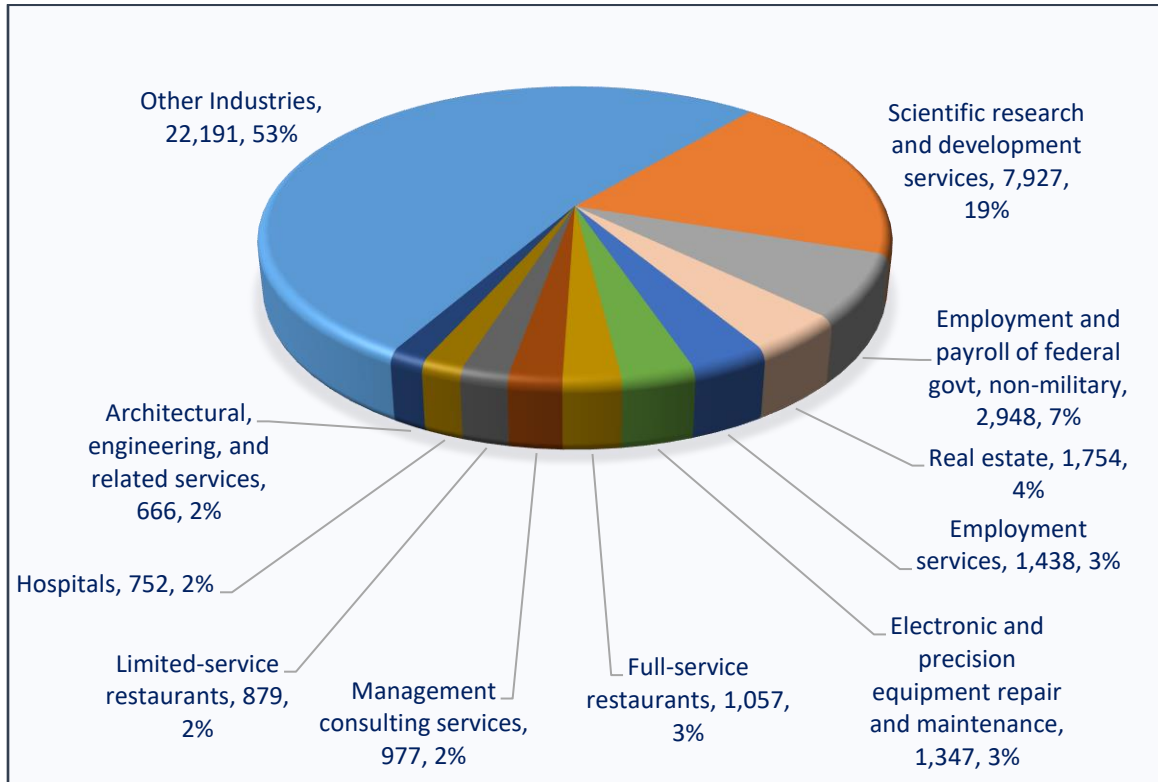
Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

41,937 jobs in the Texas economy were supported by NASA activities in Fiscal Year 2021. Of these, 2,948 (7%) were directly located at NASA centers. As a result of the procurement of goods and services in the Texas economy, 18,505 additional jobs (44%) were created. The remaining employment—20,484 jobs (49%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 124 depicts the ten most impacted industries by employment. Scientific research and development services is the most impacted industry (along with the federal government). These industries together account for 26% of the jobs created. The employment in scientific research and development services is driven largely by NASA procurement spending; this industry accounted for 79% of NASA procurement spending in the state in Fiscal Year 2021. The impact in the federal government sector represents

mainly civil service employees working for NASA. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

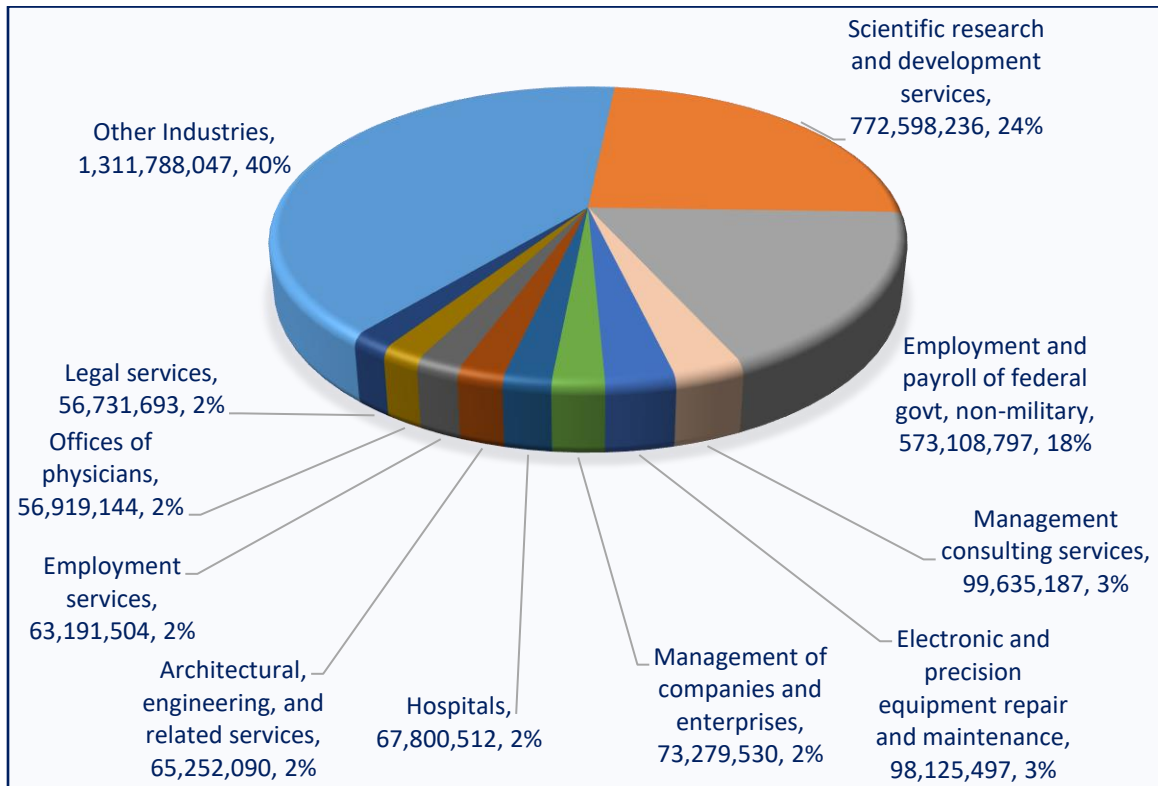
Figure 124: Top Ten Most Impacted Industries by Employment, Texas (NASA)



The total income impact of NASA in Texas was \$3.2 billion in Fiscal Year 2021. Of this amount, \$573 million (18%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.5 billion (47%). The remaining income (induced impact), estimated to be \$1.1 billion (35%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 125 depicts the ten most impacted industries by labor income. Scientific research and development services is the most impacted industry by income (along with the federal government sector). The two industries together account for 42% of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these industries is greater than the state average. As of 2019, the average employee compensation in the scientific research and development services industry was \$95,688 (including benefits), compared to an average of \$65,016 across Texas.

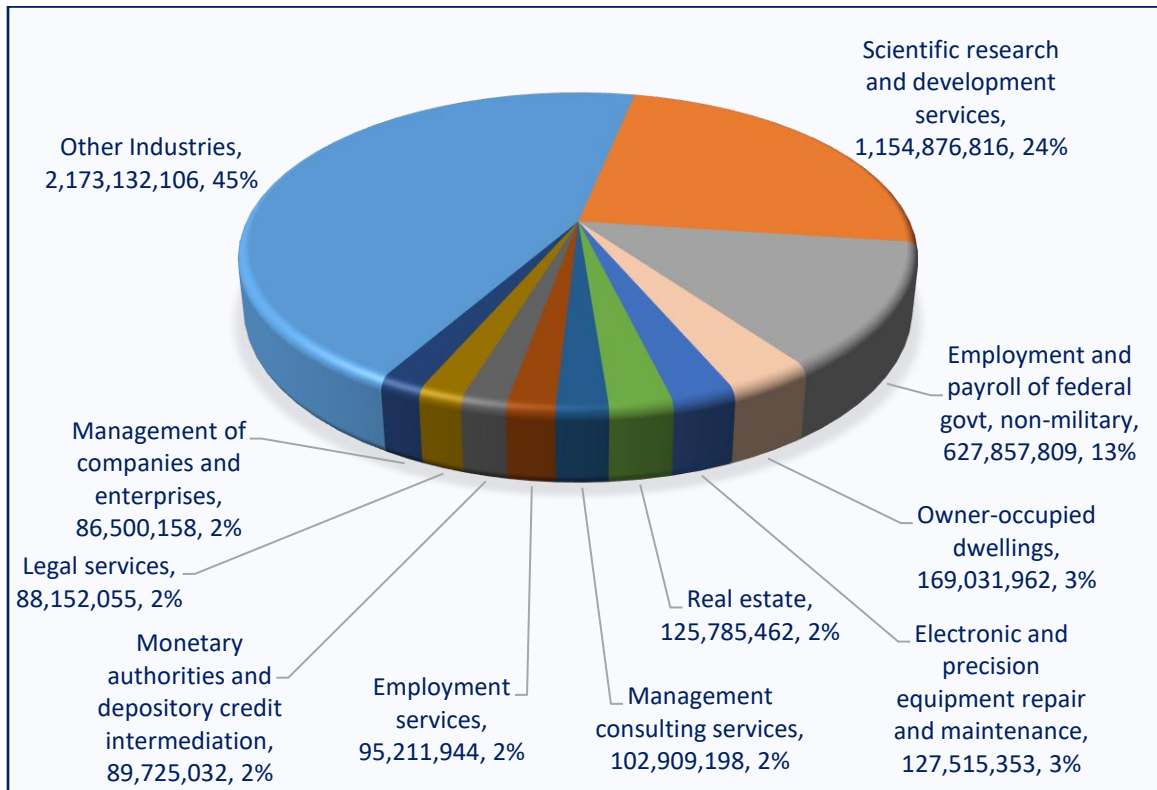
Figure 125: Top Ten Most Impacted Industries by Labor Income, Texas (NASA)



The total value added impact of NASA in Texas was \$4.8 billion in Fiscal Year 2021. Of this amount, \$628 million (13%) was created by civil service employees and \$2.3 billion (47%) was created indirectly by the \$2.3 billion in procurement spending across all industry sectors in Texas. \$1.9 billion (40%) was generated by increased consumption spending supported by increased earnings.

Figure 126 depicts the ten most heavily impacted industries in terms of value added. Scientific research and development is the most impacted industry (along with the federal government sector). The two industries together account for 37% of the total value added created. NASA activities accounted for an increase of more than \$1.1 billion in value added in scientific research and development services. Six hundred twenty-seven (627) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

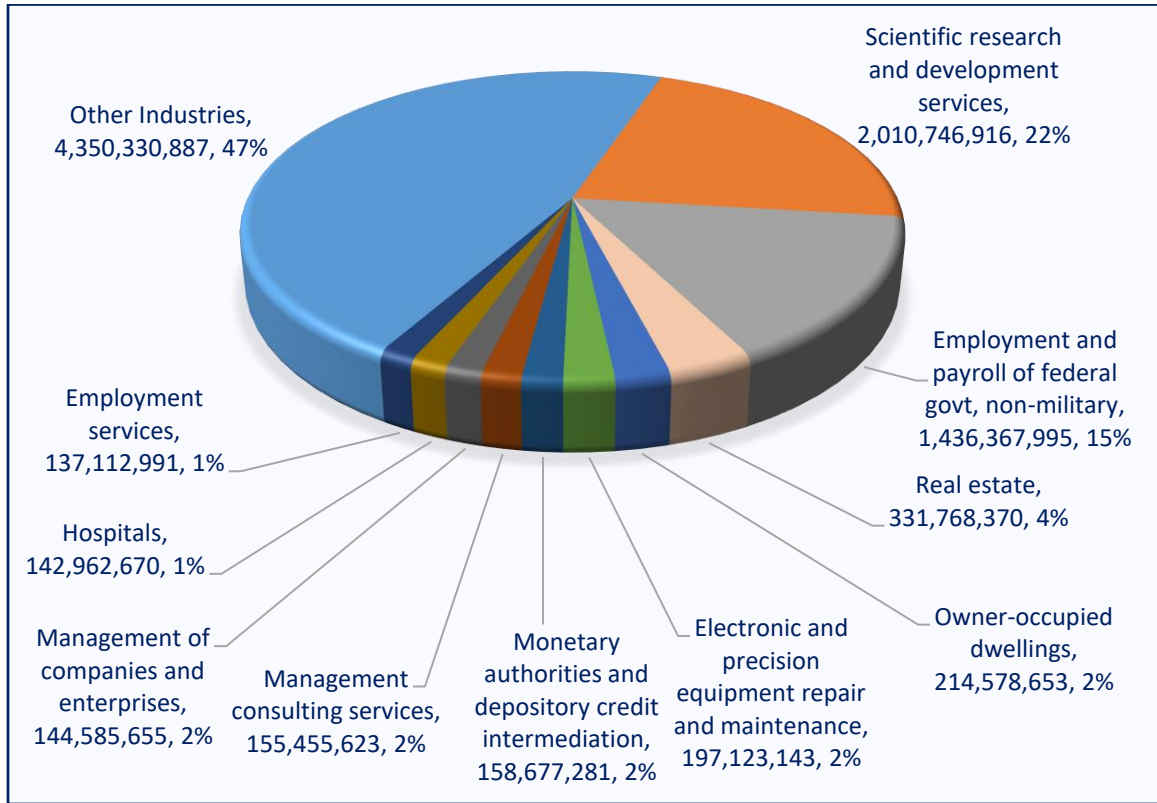
Figure 126: Top Ten Most Impacted Industries by Value Added, Texas (NASA)



The total output impact of NASA in Texas was \$9.3 billion in Fiscal Year 2021. The direct impact of \$1.5 billion constitutes the value of production by NASA employees, accounting for around 15% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$2.3 billion resulted in an additional increase in output (gross sales) of \$1.8 billion across all industry sectors (adding up to the indirect total of \$4.1 billion in Table 448). Approximately \$3.7 billion (40%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$2 billion in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services (Figure 127). Similar to employment, impacts in this industry are largely driven by NASA procurement spending; this industry accounted for 79% of NASA procurement spending in the state in Fiscal Year 2021. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 127: Top Ten Most Impacted Industries by Output, Texas (NASA)



M2M Campaign Impacts

In 2021, Texas had 1,277 M2M-related civil service employees (706 FTEs) with a corresponding labor income of \$135.8 million. M2M campaign contracts sourced in the state in the same year totaled \$860.2 million. The total Texas employment impact is 14,144 jobs. The labor income and economic output associated with this employment are \$1.1 billion and \$3.1 billion, respectively. The M2M campaign generates \$82 million in tax revenues for the state and local governments in Texas (Table 451).

Table 451: Summary of M2M Campaign Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	706	135,789	150,375	344,017	931
Indirect	6,462	584,530	870,150	1,524,172	23,802
Induced	6,976	399,777	680,758	1,273,996	57,287
Total	14,144	1,120,096	1,701,283	3,142,185	82,020
<i>Multiplier</i>	<i>20.0</i>	<i>8.2</i>	<i>11.3</i>	<i>9.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion

units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Texas economy. More than 84 percent of the employment impacts and more than 80 percent of the output impacts are due to NASA procurement sourced within the state.

Table 452: M2M Campaign Employment Impacts by Sources of Impact, Texas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	706	32.0	0	0.0	706	5.0	100.0	0.0
Indirect	0	0.0	6,462	54.1	6,462	45.7	0.0	100.0
Induced	1,499	68.0	5,477	45.9	6,976	49.3	21.5	78.5
Total	2,205	100	11,939	100	14,144	100	15.6	84.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 453: M2M Campaign Output Impacts by Sources of Impact, Texas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	344,017	55.7	0	0.0	344,017	10.9	100.0	0.0
Indirect	0	0.0	1,524,172	60.4	1,524,172	48.5	0.0	100.0
Induced	273,922	44.3	1,000,074	39.6	1,273,996	40.5	21.5	78.5
Total	617,939	100	2,524,246	100	3,142,185	100	19.7	80.3

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

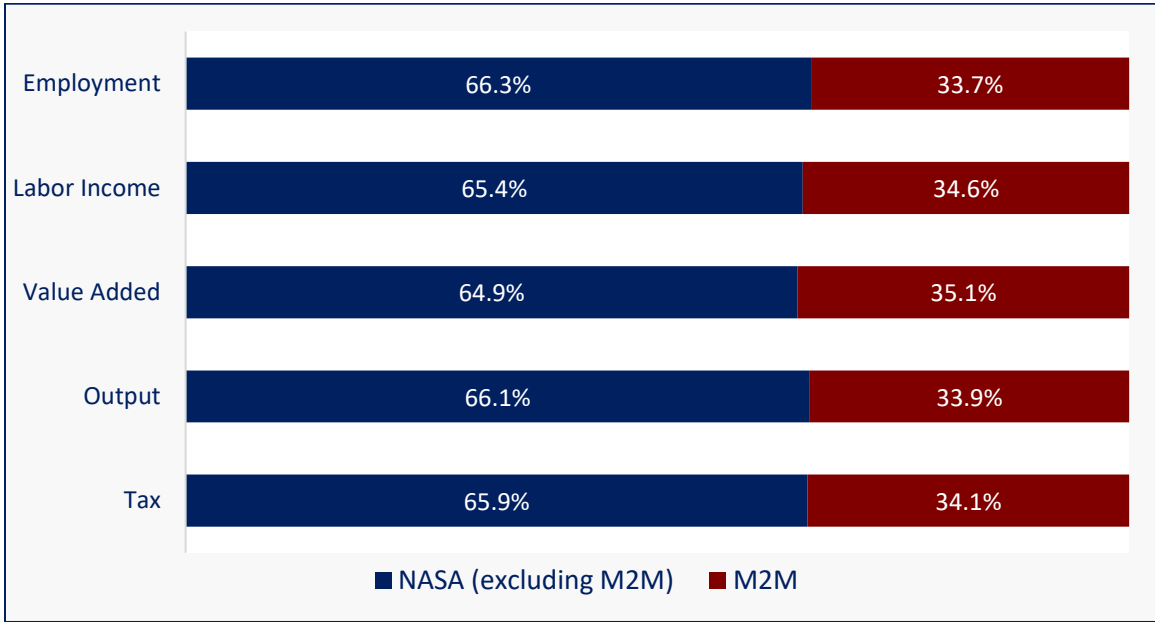
The M2M Campaign’s Share of NASA Impacts

Approximately 34% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 454 and Figure 128). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 454: The M2M Campaign Portion of Overall NASA Impacts, Texas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	41,937	3,238,430	4,840,698	9,279,710	240,648
M2M Portion	14,144	1,120,096	1,701,283	3,142,185	82,020
M2M Share (%)	33.7%	34.6%	35.1%	33.9%	34.1%

Figure 128: The M2M Campaign Portion of Overall NASA Impacts, Texas



Investments in Climate Change Research and Technology Impacts

In 2021, Texas had 60 climate change research and technology-related civil service employees (13 FTEs) with a corresponding labor income of \$2.4 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$45.4 million. The total Texas employment impact is 757 jobs. The labor income and economic output associated with this employment are \$50.2 million and \$153.5 million, respectively. The investments in climate change research and technology generate \$4.4 million in tax revenues for the state and local governments in Texas (Table 455).

Table 455: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,376	2,787	6,377	16
Indirect	426	30,652	46,346	85,977	1,633
Induced	318	17,191	29,845	61,153	2,749
Total	757	50,219	78,978	153,507	4,398
<i>Multiplier</i>	<i>58.2</i>	<i>21.1</i>	<i>28.3</i>	<i>24.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Texas economy. Nearly 95 percent of the employment impacts and 93 percent of the output impacts are due to NASA procurement sourced within the state.

Table 456: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Texas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	13	33.3	0	0.0	13	1.7	100.0	0.0
Indirect	0	0.0	426	59.3	426	56.3	0.0	100.0
Induced	26	66.7	292	40.7	318	42.0	8.2	91.8
Total	39	100	718	100	757	100	5.2	94.8

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 457: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Texas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	6,377	55.7	0	0.0	6,377	4.2	100.0	0.0
Indirect	0	0.0	85,977	60.5	85,977	56.0	0.0	100.0
Induced	5,081	44.3	56,072	39.5	61,153	39.8	8.3	91.7
Total	11,458	100	142,049	100	153,507	100	7.5	92.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

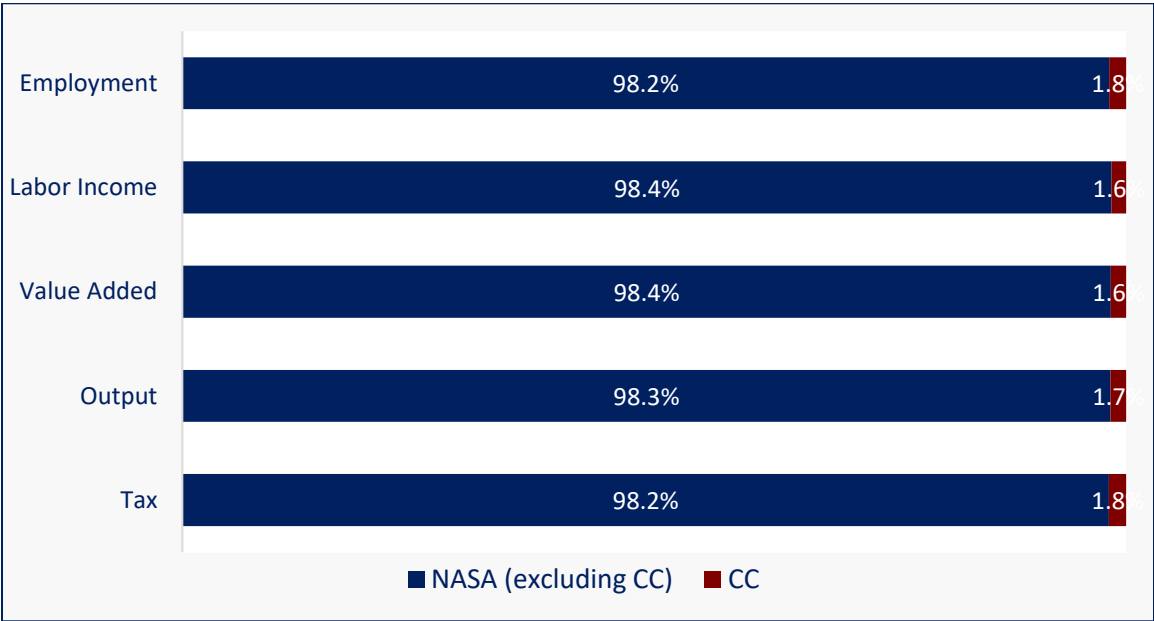
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 2% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 458 and Figure 129). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 458: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Texas

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	41,937	3,238,430	4,840,698	9,279,710	240,648
CC Portion	757	50,219	78,978	153,507	4,398
CC Share (%)	1.8%	1.6%	1.6%	1.7%	1.8%

Figure 129: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Texas



Economic Impacts on the State of Utah

NASA Impacts

In 2021, 11 NASA civil service employees (7 FTEs) residing in Utah earned \$1.3 million in labor income. NASA contracts sourced in Utah in the same year totaled \$323.9 million. The total economic impact resulting from these activities is 5,175 jobs, \$309.3 million in labor income, and \$969.7 million in economic output. These economic activities generate \$32.2 million in tax revenues for the state and local governments in Utah (Table 459).

Table 459: Summary of NASA Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,308	1,511	3,458	41
Indirect	3,220	211,883	308,237	628,347	14,301
Induced	1,948	96,071	177,702	337,901	17,857
Total	5,175	309,262	487,450	969,706	32,199
<i>Multiplier</i>	<i>739.3</i>	<i>236.4</i>	<i>322.6</i>	<i>280.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Utah economy. Table 460 examines the sources of the employment figures in the second column of Table 459. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly all of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is less than 1%.

Table 460: NASA Employment Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	7	33.3	0	0.0	7	0.1	100.0	0.0
Indirect	0	0.0	3,220	62.5	3,220	62.2	0.0	100.0
Induced	14	66.7	1,934	37.5	1,948	37.6	0.7	99.3
Total	21	100	5,154	100	5,175	100	0.4	99.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 461 examines the sources of the output figures in the fifth column of Table 459. Procurement spending is responsible for the majority of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is less than 1%.

Table 461: NASA Output Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,458	59.5	0	0.0	3,458	0.4	100.0	0.0
Indirect	0	0.0	628,347	65.2	628,347	64.8	0.0	100.0
Induced	2,355	40.5	335,546	34.8	337,901	34.8	0.7	99.3
Total	5,813	100	963,893	100	969,706	100	0.6	99.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Utah had seven M2M-related civil service employees (4 FTEs) with a corresponding labor income of \$817,000. M2M campaign contracts sourced in the state in the same year totaled \$296.5 million. The total Utah employment impact is 4,605 jobs. The labor income and economic output associated with this employment are \$292.7 million and \$891.8 million, respectively. The M2M campaign generates \$29.6 million in tax revenues for the state and local governments in Utah (Table 462).

Table 462: Summary of M2M Campaign Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	817	943	2,157	25
Indirect	2,796	198,930	287,596	571,879	12,765
Induced	1,805	92,933	171,035	317,737	16,791
Total	4,605	292,680	459,574	891,773	29,581
<i>Multiplier</i>	<i>1151.3</i>	<i>358.2</i>	<i>487.4</i>	<i>413.4</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Utah economy. Nearly all the employment and output impacts are due to NASA procurement sourced within the state.

Table 463: M2M Campaign Employment Impacts by Sources of Impact, Utah

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	4	30.8	0	0.0	4	0.1	100.0	0.0
Indirect	0	0.0	2,796	60.9	2,796	60.7	0.0	100.0
Induced	9	69.2	1,796	39.1	1,805	39.2	0.5	99.5
Total	13	100	4,592	100	4,605	100	0.3	99.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 464: M2M Campaign Output Impacts by Sources of Impact, Utah

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	2,157	58.7	0	0.0	2,157	0.2	100.0	0.0
Indirect	0	0.0	571,879	64.4	571,879	64.1	0.0	100.0
Induced	1,519	41.3	316,218	35.6	317,737	35.6	0.5	99.5
Total	3,676	100	888,097	100	891,773	100	0.4	99.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

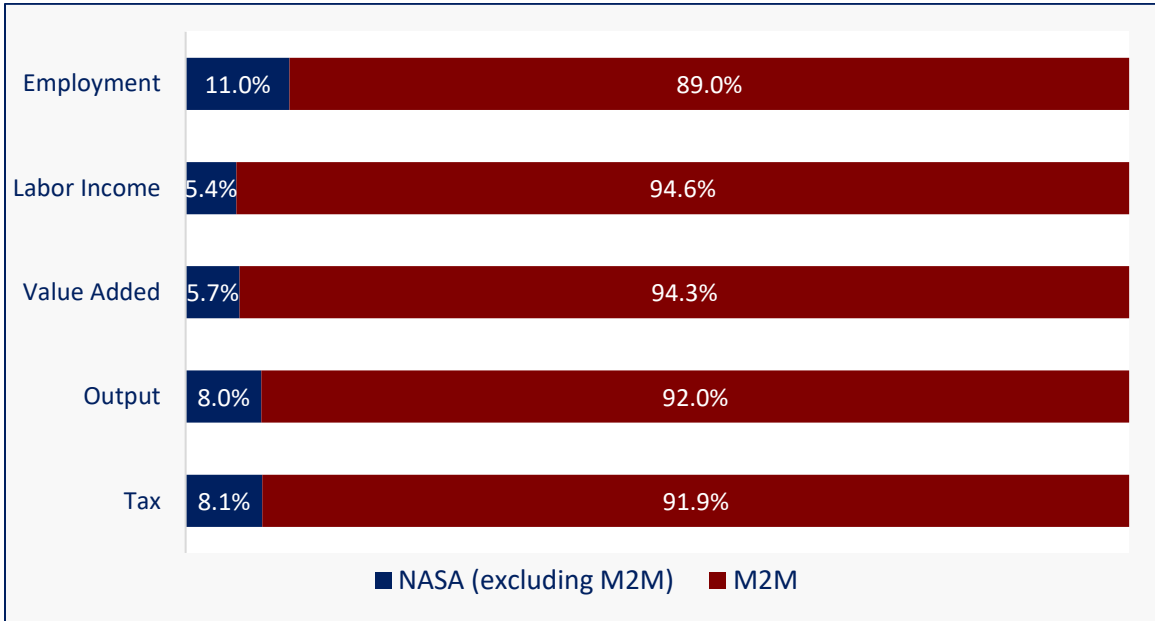
The M2M Campaign's Share of NASA Impacts

Around 92% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 465 and Figure 130). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 465: The M2M Campaign Portion of Overall NASA Impacts, Utah

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	5,175	309,262	487,450	969,706	32,199
M2M Portion	4,605	292,680	459,574	891,773	29,581
M2M Share (%)	89.0%	94.6%	94.3%	92.0%	91.9%

Figure 130: The M2M Campaign Portion of Overall NASA Impacts, Utah



Investments in Climate Change Research and Technology Impacts

In 2021, Utah had one climate change research and technology-related civil service employee (<1 FTE) with a corresponding labor income of \$55,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$9.3 million. The total Utah employment impact is 177 jobs. The labor income and economic output associated with this employment are \$10.1 million and \$27.7 million, respectively. The investments in climate change research and technology generate \$1.2 million in tax revenues for the state and local governments in Utah (Table 466).

Table 466: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	55	75	171	2
Indirect	114	7,106	9,173	16,831	627
Induced	63	2,955	5,471	10,653	563
Total	177	10,116	14,719	27,655	1,192
<i>Multiplier</i>	<i>503.8</i>	<i>183.9</i>	<i>196.3</i>	<i>161.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Utah economy. Nearly all the employment and output impacts are due to NASA procurement sourced within the state.

Table 467: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Utah

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	37.9	0	0.0	<1	0.2	100.0	0.0
Indirect	0	0.0	114	64.8	114	64.3	0.0	100.0
Induced	1	62.1	62	35.2	63	35.5	0.9	99.1
Total	1	100	176	100	177	100	0.5	99.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 468: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Utah

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	171	63.6	0	0.0	171	0.6	100.0	0.0
Indirect	0	0.0	16,831	61.5	16,831	60.9	0.0	100.0
Induced	98	36.4	10,555	38.5	10,653	38.5	0.9	99.1
Total	269	100	27,386	100	27,655	100	1.0	99.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

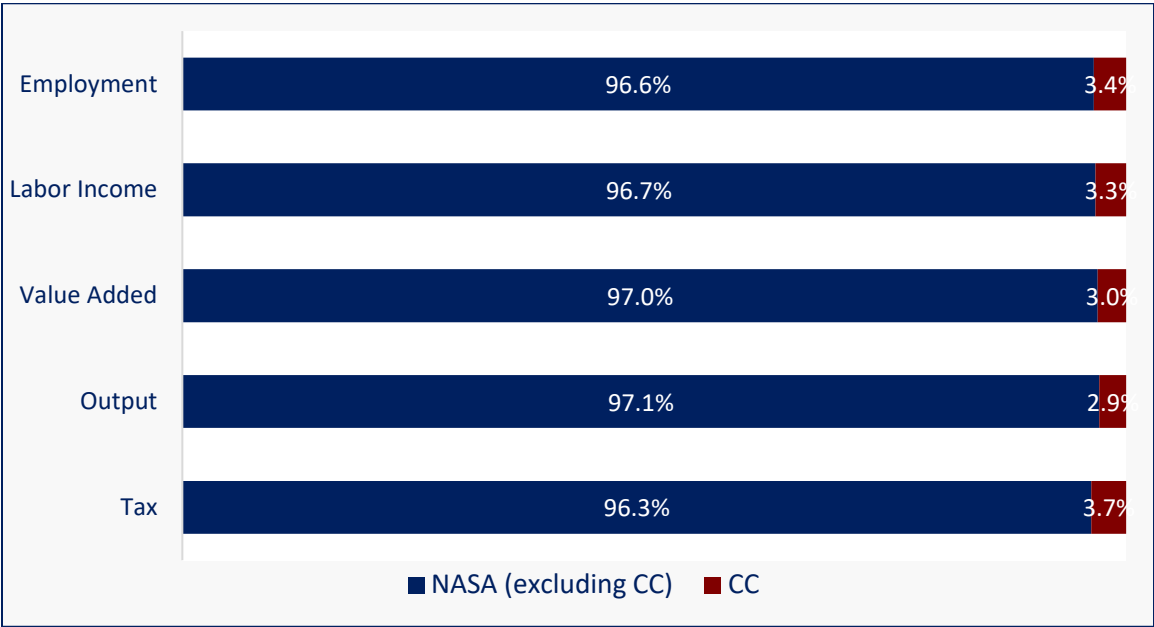
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 3% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 469 and Figure 131). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 469: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Utah

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	5,175	309,262	487,450	969,706	32,199
CC Portion	177	10,116	14,719	27,655	1,192
CC Share (%)	3.4%	3.3%	3.0%	2.9%	3.7%

Figure 131: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Utah



Economic Impacts on the State of Vermont

NASA Impacts

In 2021, 5 NASA civil service employees (2 FTEs) residing in Vermont earned \$274,000 in labor income. NASA contracts sourced in Vermont in the same year totaled \$2.7 million. The total economic impact resulting from these activities is 44 jobs, \$2.7 million in labor income, and \$7.9 million in economic output. These economic activities generate \$318,000 in tax revenues for the state and local governments in Vermont (Table 470).

Table 470: Summary of NASA Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	274	379	866	7
Indirect	25	1,600	2,174	4,484	143
Induced	17	830	1,403	2,538	168
Total	44	2,704	3,956	7,888	318
<i>Multiplier</i>	<i>22.0</i>	<i>9.9</i>	<i>10.4</i>	<i>9.1</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Vermont economy. Table 471 examines the sources of the employment figures in the second column of Table 470. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Nearly 89% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 11%.

Table 471: NASA Employment Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	40.0	0	0.0	2	4.5	100.0	0.0
Indirect	0	0.0	25	64.1	25	56.8	0.0	100.0
Induced	3	60.0	14	35.9	17	38.6	17.6	82.4
Total	5	100	39	100	44	100	11.4	88.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 472 examines the sources of the output figures in the fifth column of Table 470. Procurement spending is responsible for 84% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 16%.

Table 472: NASA Output Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	866	68.0	0	0.0	866	11.0	100.0	0.0
Indirect	0	0.0	4,484	67.8	4,484	56.8	0.0	100.0
Induced	407	32.0	2,131	32.2	2,538	32.2	16.0	84.0
Total	1,273	100	6,615	100	7,888	100	16.1	83.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

There were no M2M-specific NASA employees in Vermont in FY 2021, but \$366,000 in M2M-related NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is five jobs, \$314,000 in labor income, and \$881,000 worth of output. These economic activities generate \$38,000 in tax revenues for the state and local governments in Vermont (Table 473).

Table 473: Summary of M2M Program Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	3	220	350	601	20
Induced	2	94	158	280	18
Total	5	314	508	881	38
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

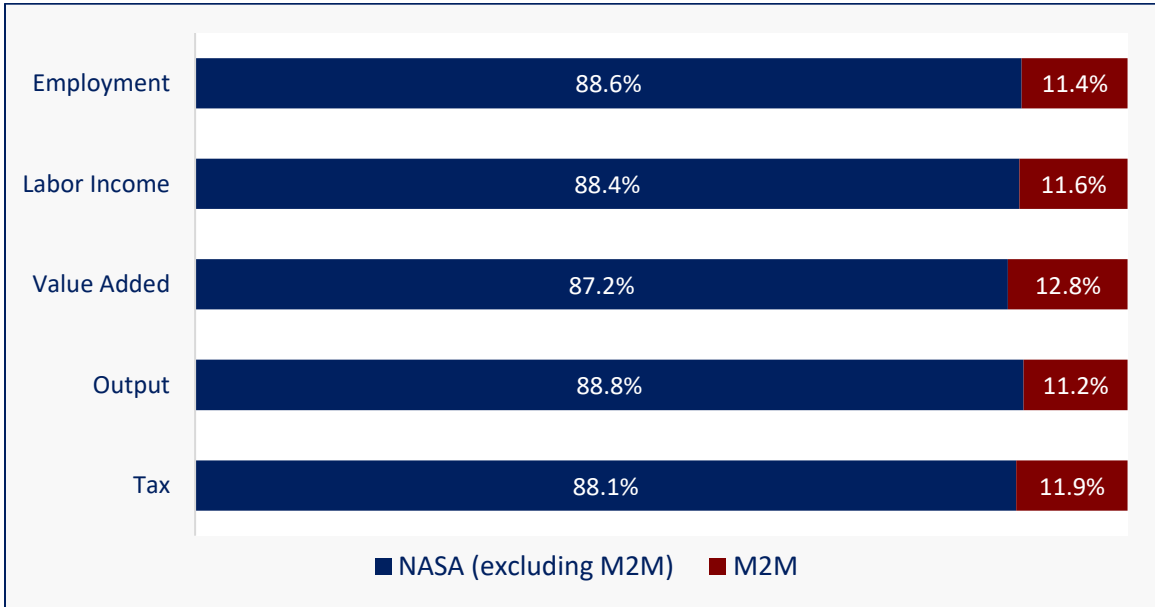
The M2M Campaign’s Share of NASA Impacts

Around 12% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 474 and Figure 132). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 474: The M2M Campaign Portion of Overall NASA Impacts, Vermont

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	44	2,704	3,956	7,888	318
M2M Portion	5	314	508	881	38
M2M Share (%)	11.4%	11.6%	12.8%	11.2%	11.9%

Figure 132: The M2M Campaign Portion of Overall NASA Impacts, Vermont



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Vermont in FY 2021, but \$816,000 in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact attributable to this procurement activity is 12 jobs, \$672,000 in labor income, and \$2.0 million worth of output. These economic activities generate \$84,000 in tax revenues for the state and local governments in Vermont (Table 475).

Table 475: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	8	470	631	1,380	42
Induced	4	202	340	628	42
Total	12	672	971	2,008	84
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

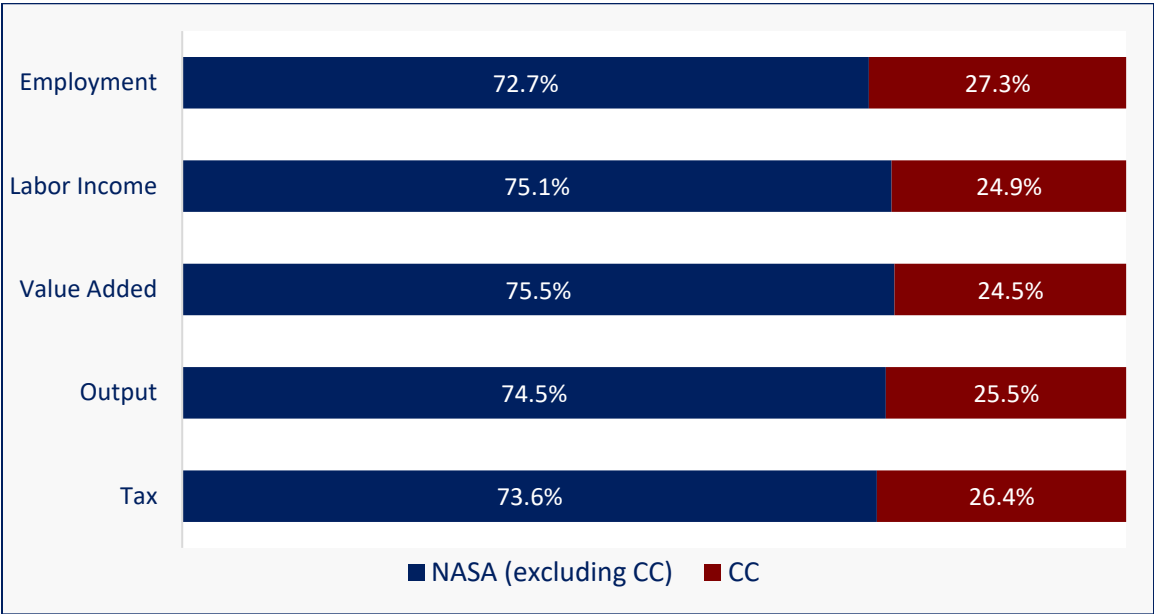
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 26% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 476 and Figure 133). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 476: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Vermont

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	44	2,704	3,956	7,888	318
CC Portion	12	672	971	2,008	84
CC Share (%)	27.3%	24.9%	24.5%	25.5%	26.4%

Figure 133: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Vermont



Economic Impacts on the State of Virginia

NASA Impacts

In 2021, 2,676 NASA civil service employees (2,477 FTEs) residing in Virginia earned \$450.9 million in labor income. NASA contracts sourced in Virginia in the same year totaled nearly \$2.1 billion. The total economic impact resulting from these activities is 32,739 jobs, \$2.5 billion in labor income, and \$6.8 billion in economic output. These economic activities generate approximately \$272.7 million in tax revenues for the state and local governments in Virginia (Table 477).

The employment multiplier is 13.2, meaning that for every NASA job located in Virginia, an additional 12.2 jobs are supported in the state economy. The output multiplier of 5.6 indicates that for every million dollars' worth of economic output generated by NASA employees, an additional \$4.6 million worth of output is sustained throughout the state economy.

Table 477: Summary of NASA Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,477	450,864	527,442	1,206,644	14,448
Indirect	16,594	1,312,428	1,855,527	3,259,075	121,413
Induced	13,668	722,721	1,340,451	2,334,631	136,872
Total	32,739	2,486,013	3,723,420	6,800,350	272,733
<i>Multiplier</i>	<i>13.2</i>	<i>5.5</i>	<i>7.1</i>	<i>5.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Virginia economy. Table 478 examines the sources of the employment figures in the second column of Table 477. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 81 percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 19 percent.

Table 478: NASA Employment Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2,477	39.0	0	0.0	2,477	7.6	100.0	0.0
Indirect	0	0.0	16,594	62.9	16,594	50.7	0.0	100.0
Induced	3,869	61.0	9,799	37.1	13,668	41.7	28.3	71.7
Total	6,346	100	26,393	100	32,739	100	19.4	80.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 479 examines the sources of the output figures in the fifth column of Table 477. Procurement spending is responsible for approximately 73% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 27%. The reason that NASA labor force’s share of overall output impact is larger than its share in overall employment impact is that NASA employees produce more output per worker than the average employee that is part of the supply chain of NASA procurement.

Table 479: NASA Output Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,206,644	64.6	0	0.0	1,206,644	17.7	100.0	0.0
Indirect	0	0.0	3,259,075	66.1	3,259,075	47.9	0.0	100.0
Induced	661,389	35.4	1,673,242	33.9	2,334,631	34.3	28.3	71.7
Total	1,868,033	100	4,932,317	100	6,800,350	100	27.5	72.5

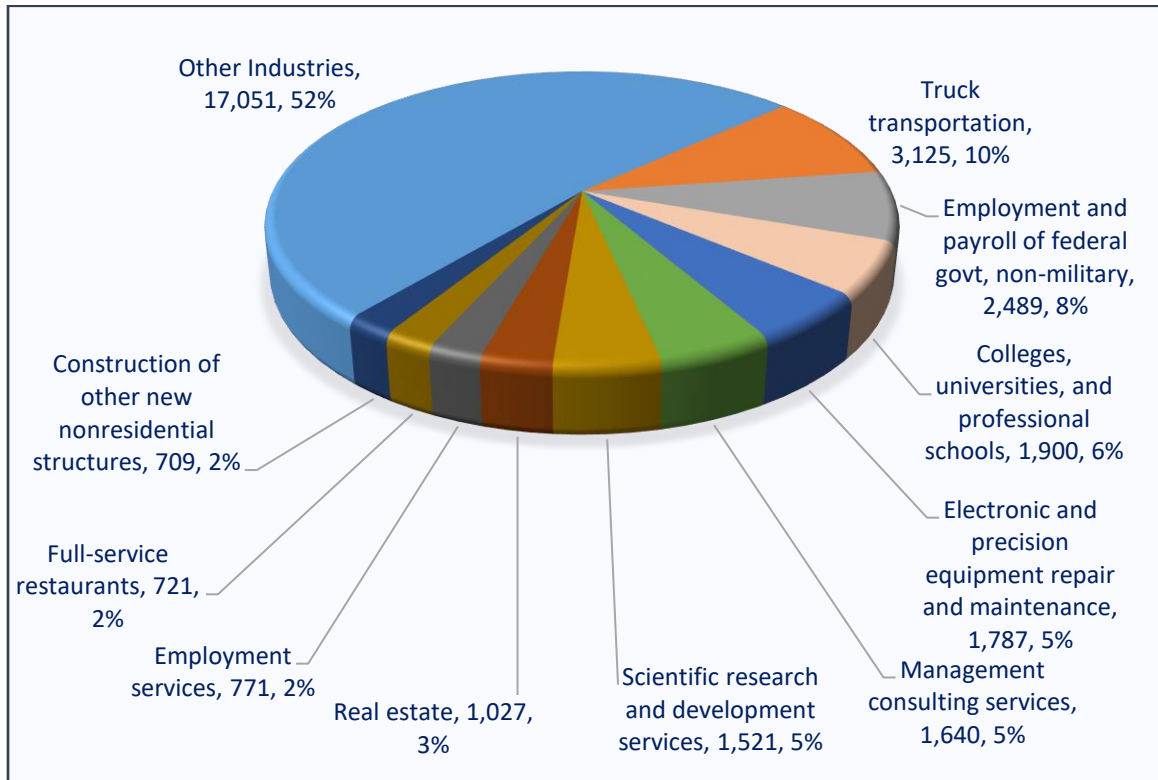
Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

32,739 jobs in the Virginia economy were supported by NASA activities in Fiscal Year 2021. Of these, 2,477 (7%) were directly located at NASA centers. As a result of the procurement of goods and services in the Virginia economy, 16,594 additional jobs (51%) were created. The remaining employment—13,668 jobs (42%)—was in the form of induced impacts as labor income and proprietor earnings were spent locally.

Figure 134 depicts the ten most impacted industries by employment. Truck transportation, colleges and universities, electronic and precision equipment repair and maintenance, management consulting services, and scientific research and development services are the most impacted industries, respectively (along with the federal government sector). These industries together account for 39% of the jobs created. The

employment in these industries is driven largely by NASA procurement spending; the four private industries accounted for 67% of NASA procurement spending in the state in Fiscal Year 2021. The impact in the federal government sector represents mainly civil service employees working for NASA.

Figure 134: Top Ten Most Impacted Industries by Employment, Virginia (NASA)

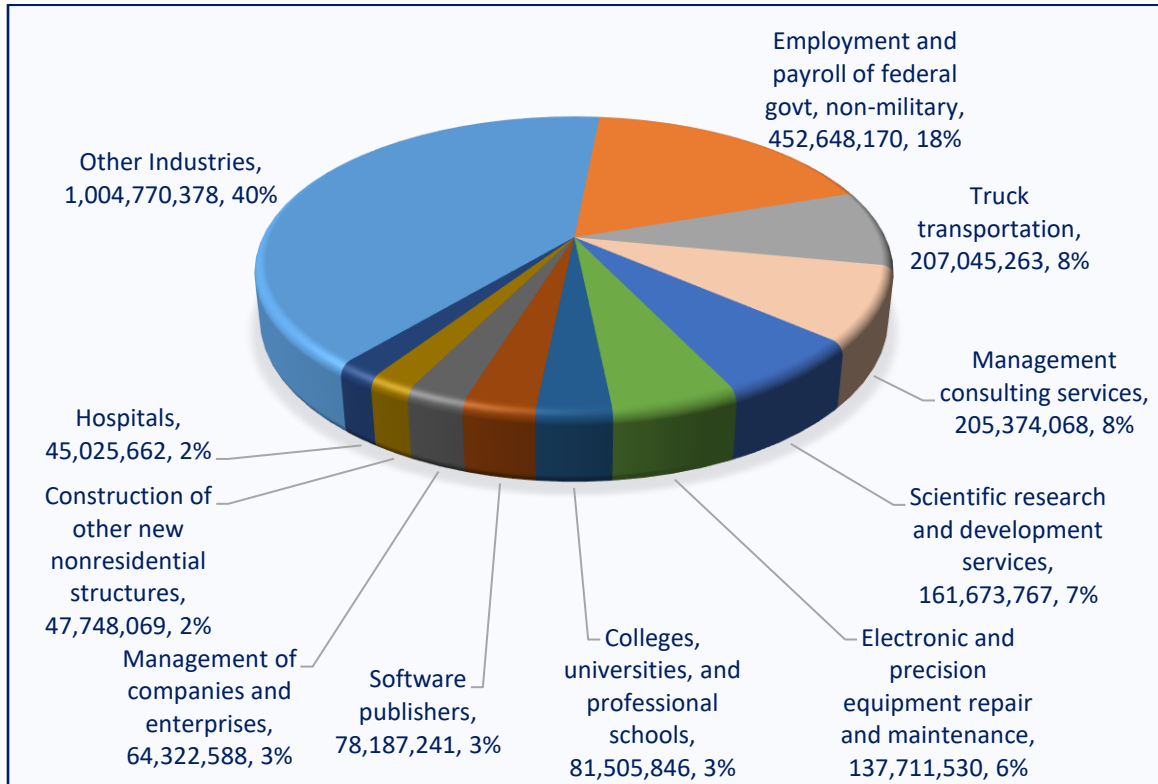


The total income impact of NASA in Virginia was \$2.5 billion in Fiscal Year 2021. Of this amount, \$451 million (18%) represented wages and benefits paid to NASA employees in the state (direct impact). Payments to employees of private firms and organizations across the state that supplied goods and services to NASA (indirect impact) represented \$1.3 billion (53%). The remaining income (induced impact), estimated to be \$723 million (29%), resulted from expenditures by those earning income through the direct and indirect impacts.

Figure 135 depicts the ten most impacted industries by labor income. As a consequence of their share of total employment, truck transportation, management consulting services, scientific research and development, electronic and precision equipment repair and maintenance, and colleges and universities are the most impacted industries by income (along with the federal government sector). These industries together account for half of the total labor income earned. The reason that these industries' share of labor income is larger than their share of employment is that employee compensation in these

industries is greater than the state average. As of 2019, the average employee compensation in the management consulting services industry was \$113,955 (including benefits), compared to an average of \$65,399 across Virginia.

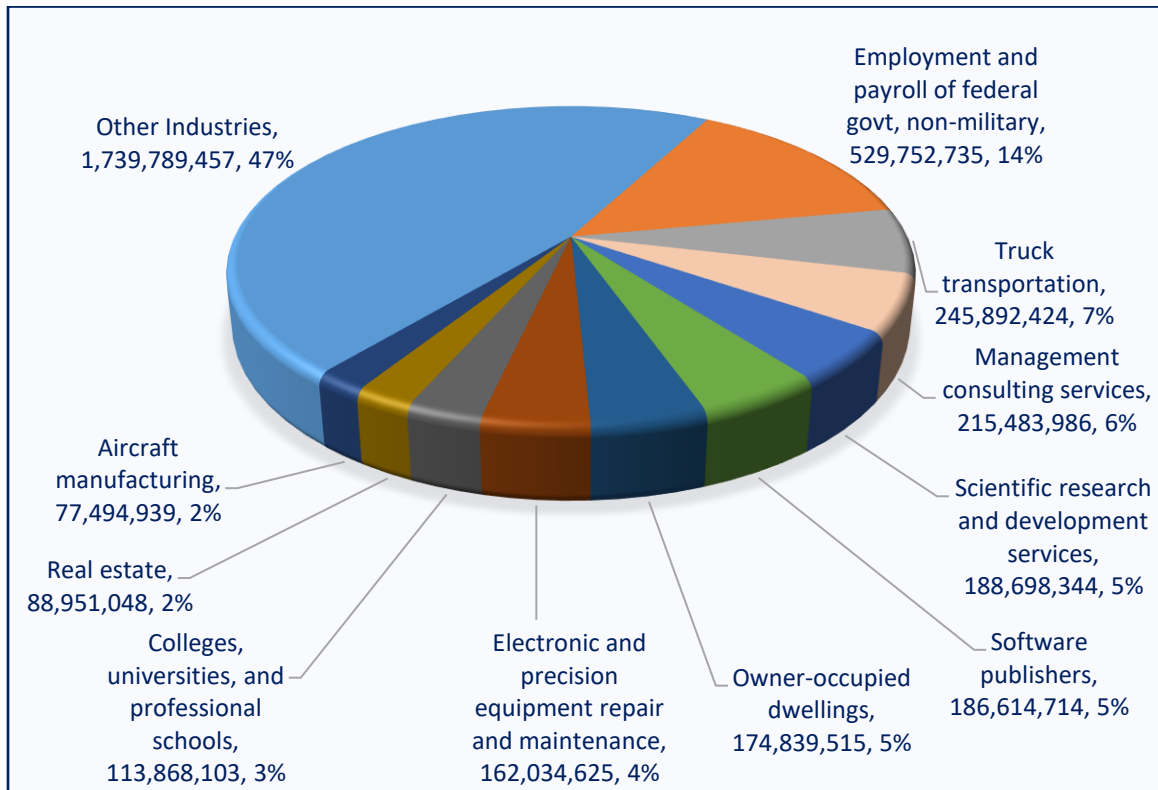
Figure 135: Top Ten Most Impacted Industries by Labor Income, Virginia (NASA)



The total value added impact of NASA in Virginia was \$3.7 billion in Fiscal Year 2021. Of this amount, \$527 million (14%) was created by civil service employees and \$1.8 billion (50%) was created indirectly by the \$2.1 billion in procurement spending across all industry sectors in Virginia. \$1.3 billion (36%) was generated by increased consumption spending supported by increased earnings.

Figure 136 depicts the ten most heavily impacted industries in terms of value added. Truck transportation, management consulting services and scientific research and development are the most impacted industries (along with the federal government sector). These industries together account for 32% of the total value added created. NASA activities accounted for an increase of more than a \$215 million increase in management consulting services, and \$188 million in value added in scientific research and development services. Five hundred twenty-nine (529) million dollars in the federal government non-military sector corresponds mainly to value added by NASA employees.

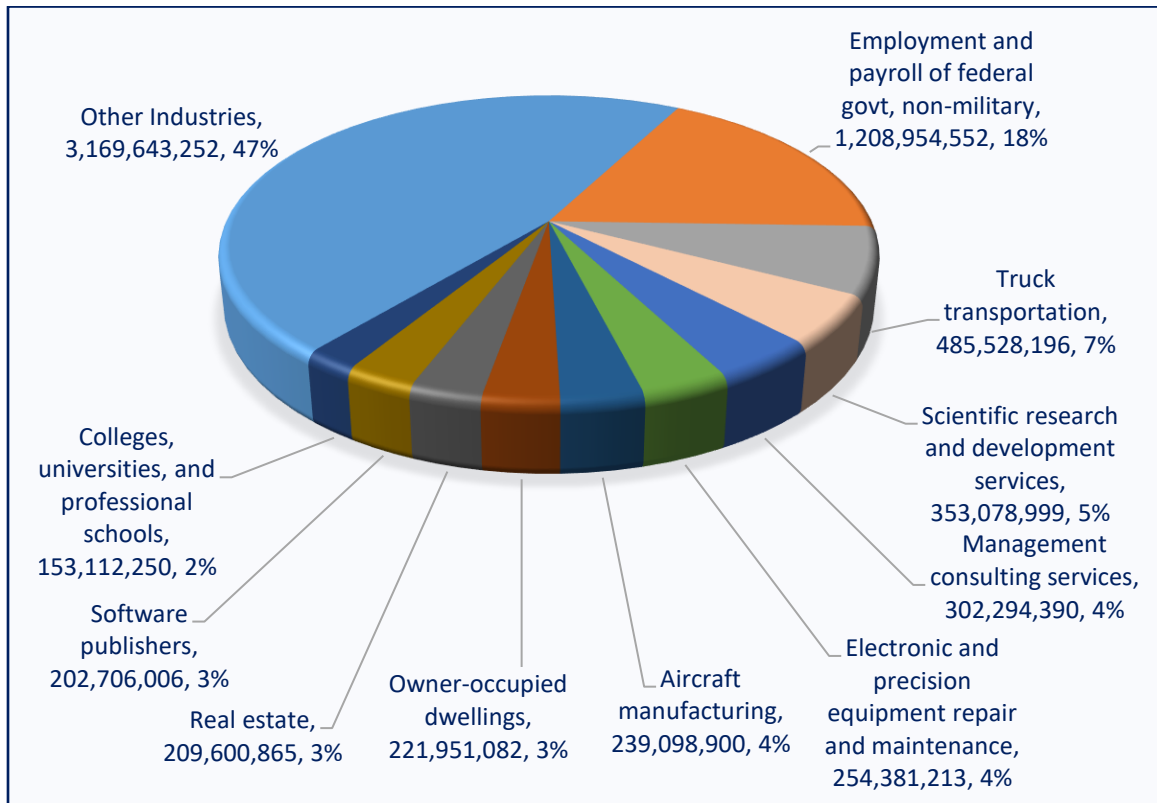
Figure 136: Top Ten Most Impacted Industries by Value Added, Virginia (NASA)



The total output impact of NASA in Virginia was \$6.8 billion in Fiscal Year 2021. The direct impact of \$1.2 billion constitutes the value of production by NASA employees, accounting for around 18% of the total output impact. The indirect impact is the sum of NASA procurement spending and the value of production throughout the supply chain of NASA procurement. NASA procurement expenditure of \$2.1 billion resulted in an additional increase in output (gross sales) of \$1.2 billion across all industry sectors (adding up to the indirect total of \$3.3 billion in Table 477). More than \$2.3 billion (34%) of the total output impact was the result of consumption spending due to increased earnings (induced impacts).

NASA activities were responsible for an increase of \$353 million in sales (including direct, indirect, and induced impacts—see Box 1 in Section 1) in scientific research and development services and \$302 million in sales management consulting services (Figure 137). Similar to employment, impacts in these industries are largely driven by NASA procurement spending; these two industries accounted for 27% of NASA procurement spending in the state in Fiscal Year 2021. The sizable impacts in the real estate industry are a typical feature of induced impacts, as a substantial proportion of household income goes to purchase or lease real estate.

Figure 137: Top Ten Most Impacted Industries by Output, Virginia (NASA)



M2M Campaign Impacts

In 2021, Virginia had 309 M2M-related civil service employees (99 FTEs) with a corresponding labor income of nearly \$17.7 million. M2M campaign contracts sourced in the state in the same year totaled \$392.1 million. The total Virginia employment impact is 3,392 jobs. The labor income and economic output associated with this employment are \$262.7 million and \$899.9 million, respectively. The M2M campaign generates nearly \$32.5 million in tax revenues for the state and local governments in Virginia (Table 480).

Table 480: Summary of M2M Campaign Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	99	17,652	20,981	47,999	566
Indirect	1,983	172,393	269,189	622,257	18,455
Induced	1,310	72,617	135,080	229,629	13,461
Total	3,392	262,662	425,250	899,885	32,482
<i>Multiplier</i>	<i>34.3</i>	<i>14.9</i>	<i>20.3</i>	<i>18.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion

units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Virginia economy. More than 92 percent of the employment impacts and 91 percent of the output impacts are due to NASA procurement sourced within the state.

Table 481: M2M Campaign Employment Impacts by Sources of Impact, Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	99	39.0	0	0.0	99	2.9	100.0	0.0
Indirect	0	0.0	1,983	63.2	1,983	58.5	0.0	100.0
Induced	155	61.0	1,155	36.8	1,310	38.6	11.8	88.2
Total	254	100	3,138	100	3,392	100	7.5	92.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 482: M2M Campaign Output Impacts by Sources of Impact, Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	47,999	63.8	0	0.0	47,999	5.3	100.0	0.0
Indirect	0	0.0	622,257	75.5	622,257	69.1	0.0	100.0
Induced	27,245	36.2	202,384	24.5	229,629	25.5	11.9	88.1
Total	75,244	100	824,641	100	899,885	100	8.4	91.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

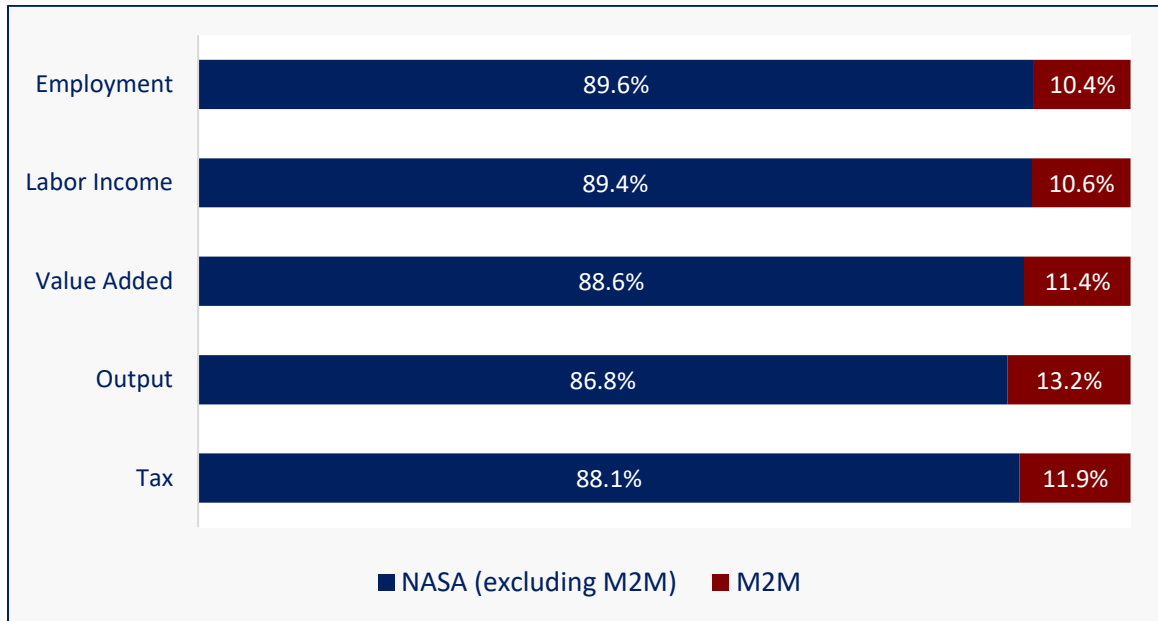
The M2M Campaign’s Share of NASA Impacts

Around 11% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 483 and Figure 138). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 483: The M2M Campaign Portion of Overall NASA Impacts, Virginia

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	32,739	2,486,013	3,723,420	6,800,350	272,733
M2M Portion	3,392	262,662	425,250	899,885	32,482
M2M Share (%)	10.4%	10.6%	11.4%	13.2%	11.9%

Figure 138: The M2M Campaign Portion of Overall NASA Impacts, Virginia



Investments in Climate Change Research and Technology Impacts

In 2021, Virginia had 979 climate change research and technology-related civil service employees (540 FTEs) with a corresponding labor income of \$93 million. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$176.8 million. The total Virginia employment impact is 4,017 jobs. The labor income and economic output associated with this employment are \$298.9 million and \$833.4 million, respectively. The investments in climate change research and technology generate \$28.2 million in tax revenues for the state and local governments in Virginia (Table 484).

Table 484: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	540	93,026	114,935	262,939	2,981
Indirect	1,741	118,227	163,656	281,132	8,297
Induced	1,736	87,634	162,127	289,349	16,970
Total	4,017	298,887	440,718	833,420	28,248
<i>Multiplier</i>	<i>7.4</i>	<i>3.2</i>	<i>3.8</i>	<i>3.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Virginia economy. More than 66 percent of the employment impacts and 52 percent of the output impacts are due to NASA procurement sourced within the state.

Table 485: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	540	40.1	0	0.0	540	13.4	100.0	0.0
Indirect	0	0.0	1,741	65.2	1,741	43.3	0.0	100.0
Induced	805	59.9	931	34.8	1,736	43.2	46.4	53.6
Total	1,345	100	2,672	100	4,017	100	33.5	66.5

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 486: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	262,939	66.2	0	0.0	262,939	31.5	100.0	0.0
Indirect	0	0.0	281,132	64.4	281,132	33.7	0.0	100.0
Induced	134,108	33.8	155,241	35.6	289,349	34.7	46.3	53.7
Total	397,047	100	436,373	100	833,420	100	47.6	52.4

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

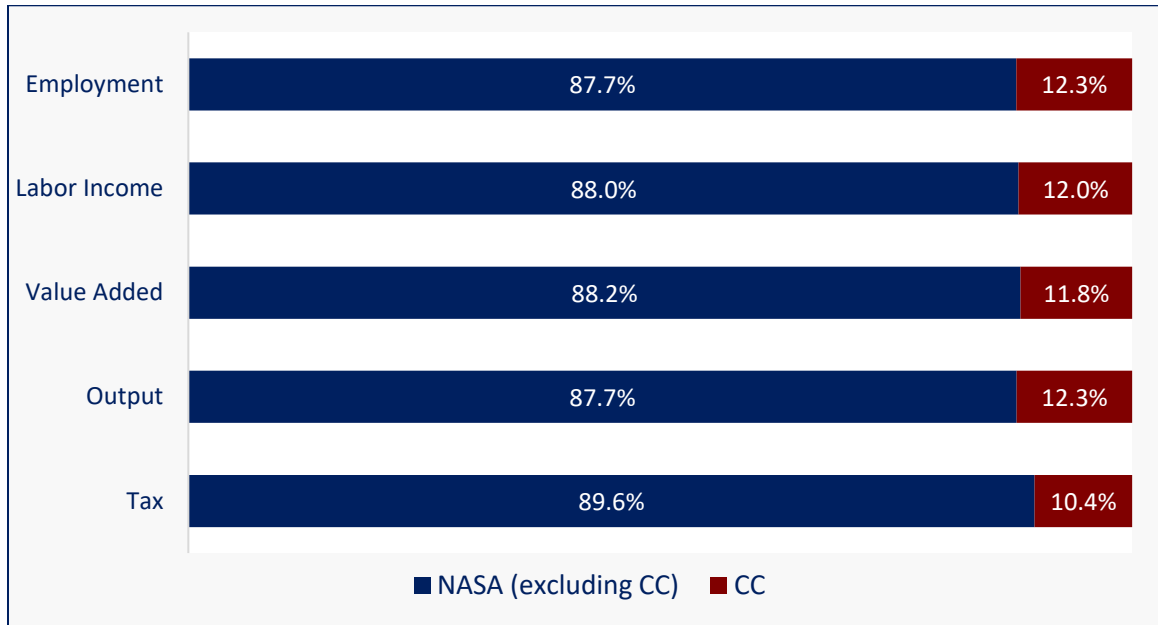
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 12% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 487 and Figure 139). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 487: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Virginia

Impact Component	Employment	Labor		Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)		
NASA Total	32,739	2,486,013	3,723,420	6,800,350	272,733
CC Portion	4,017	298,887	440,718	833,420	28,248
CC Share (%)	12.3%	12.0%	11.8%	12.3%	10.4%

Figure 139: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Virginia



Economic Impacts on the State of Washington

NASA Impacts

In 2021, 31 NASA civil service employees (19 FTEs) residing in Washington earned \$3.4 million in labor income. NASA contracts sourced in Washington in the same year totaled approximately \$426.6 million. The total economic impact resulting from these activities is 4,622 jobs, \$390.3 million in labor income, and approximately \$1.1 billion in economic output. These economic activities generate \$39.6 million in tax revenues for the state and local governments in Washington (Table 488).

Table 488: Summary of NASA Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	19	3,356	4,061	9,290	18
Indirect	2,713	263,780	426,681	677,676	14,744
Induced	1,890	123,210	219,413	374,728	24,840
Total	4,622	390,346	650,155	1,061,694	39,602
<i>Multiplier</i>	<i>243.3</i>	<i>116.3</i>	<i>160.1</i>	<i>114.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Washington economy. Table 489 examines the sources of the employment figures in the second column of Table 488. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-nine (99) percent of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 1%.

Table 489: NASA Employment Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	19	42.2	0	0.0	19	0.4	100.0	0.0
Indirect	0	0.0	2,713	59.3	2,713	58.7	0.0	100.0
Induced	26	57.8	1,864	40.7	1,890	40.9	1.4	98.6
Total	45	100	4,577	100	4,622	100	1.0	99.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 490 examines the sources of the output figures in the fifth column of Table 488. Procurement spending is responsible for nearly 99% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 1%.

Table 490: NASA Output Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	9,290	64.0	0	0.0	9,290	0.9	100.0	0.0
Indirect	0	0.0	677,676	64.7	677,676	63.8	0.0	100.0
Induced	5,224	36.0	369,504	35.3	374,728	35.3	1.4	98.6
Total	14,514	100	1,047,180	100	1,061,694	100	1.4	98.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Washington had three M2M-related civil service employees (1 FTE) with a corresponding labor income of \$265,000. M2M campaign contracts sourced in the state in the same year totaled \$372.2 million. The total Washington employment impact is 3,712 jobs. The labor income and economic output associated with this employment are \$348.6 million and \$917.9 million, respectively. The M2M campaign generates \$34.5 million in tax revenues for the state and local governments in Washington (Table 491).

Table 491: Summary of M2M Campaign Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	265	260	594	1
Indirect	2,047	236,103	381,303	584,231	12,383
Induced	1,664	112,278	200,055	333,110	22,081
Total	3,712	348,646	581,618	917,935	34,465
<i>Multiplier</i>	<i>3712.0</i>	<i>1315.6</i>	<i>2237.0</i>	<i>1545.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Washington economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 492: M2M Campaign Employment Impacts by Sources of Impact, Washington

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
	Direct	1	33.3	0	0.0	1	0.0	100.0
Indirect	0	0.0	2,047	55.2	2,047	55.1	0.0	100.0
Induced	2	66.7	1,662	44.8	1,664	44.8	0.1	99.9
Total	3	100	3,709	100	3,712	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 493: M2M Campaign Output Impacts by Sources of Impact, Washington

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	594	58.2	0	0.0	594	0.1	100.0
Indirect	0	0.0	584,231	63.7	584,231	63.6	0.0	100.0
Induced	426	41.8	332,684	36.3	333,110	36.3	0.1	99.9
Total	1,020	100	916,915	100	917,935	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

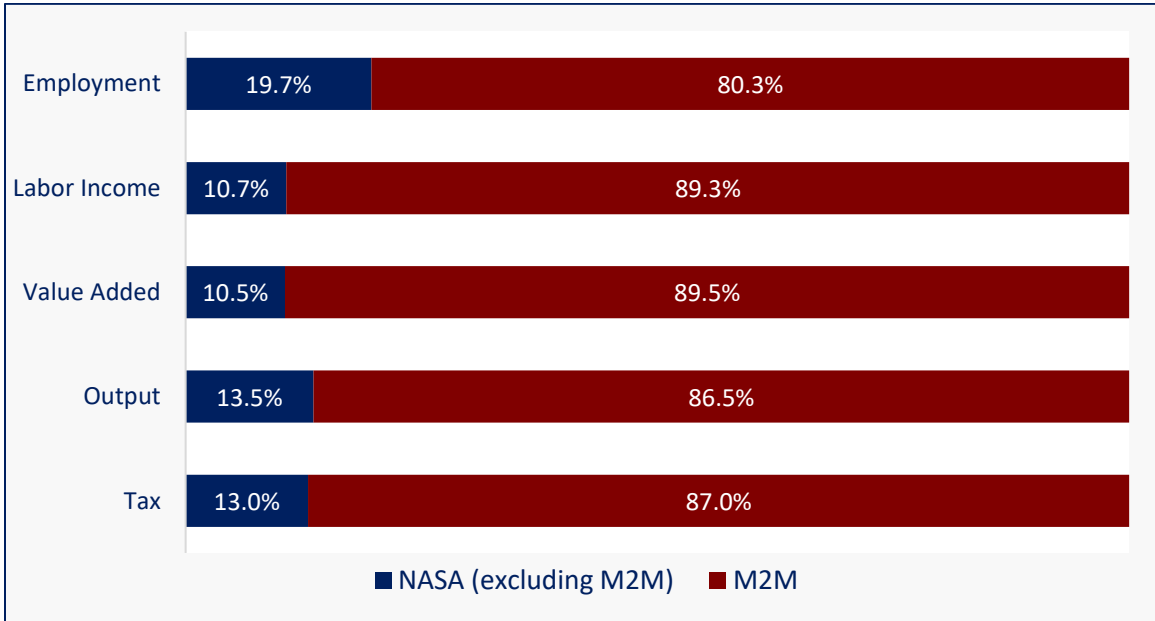
The M2M Campaign's Share of NASA Impacts

Around 87% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 494 and Figure 140). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 494: The M2M Campaign Portion of Overall NASA Impacts, Washington

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	4,622	390,346	650,155	1,061,694	39,602
M2M Portion	3,712	348,646	581,618	917,935	34,465
M2M Share (%)	80.3%	89.3%	89.5%	86.5%	87.0%

Figure 140: The M2M Campaign Portion of Overall NASA Impacts, Washington



Investments in Climate Change Research and Technology Impacts

In 2021, Washington had four climate change research and technology-related civil service employees (<1 FTE) with a corresponding labor income of \$21,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$22.9 million. The total Washington employment impact is 287 jobs. The labor income and economic output associated with this employment are \$20.3 million and \$56.5 million, respectively. The investments in climate change research and technology generate \$2.1 million in tax revenues for the state and local governments in Washington (Table 495).

Table 495: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	21	32	73	<1
Indirect	186	13,980	22,592	36,729	810
Induced	101	6,273	11,180	19,713	1,307
Total	287	20,274	33,804	56,515	2,117
<i>Multiplier</i>	<i>1912.6</i>	<i>965.4</i>	<i>1056.4</i>	<i>774.2</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Washington economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 496: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Washington

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	<1	48.2	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	186	64.8	186	64.7	0.0	100.0
Induced	<1	51.8	101	35.2	101	35.2	0.2	99.8
Total	<1	100	287	100	287	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 497: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Washington

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	73	69.5	0	0.0	73	0.1	100.0	0.0
Indirect	0	0.0	36,729	65.1	36,729	65.0	0.0	100.0
Induced	32	30.5	19,681	34.9	19,713	34.9	0.2	99.8
Total	105	100	56,410	100	56,515	100	0.2	99.8

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

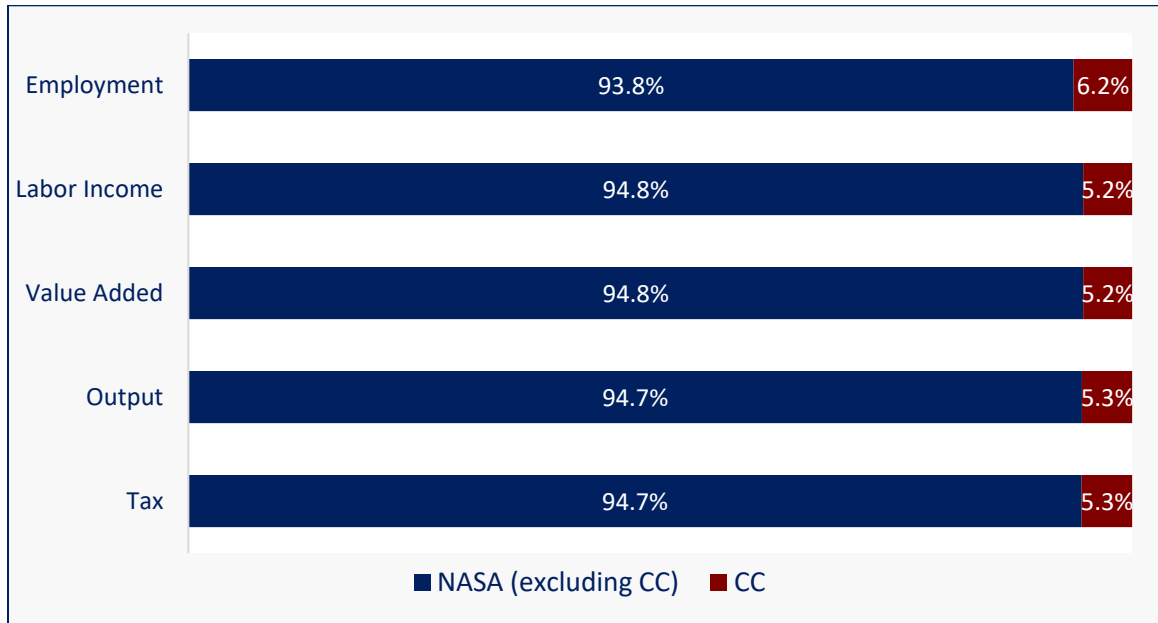
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 5% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 498 and Figure 141). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 498: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Washington

Impact Component	Labor Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	4,622	390,346	650,155	1,061,694	39,602
CC Portion	287	20,274	33,804	56,515	2,117
CC Share (%)	6.2%	5.2%	5.2%	5.3%	5.3%

Figure 141: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Washington



Economic Impacts on Washington, D.C. (District of Columbia)

NASA Impacts

In 2021, 341 NASA civil service employees (299 FTEs) residing in D.C. earned \$57.5 million in labor income. NASA contracts sourced in D.C. in the same year totaled \$239.1 million. The total economic impact resulting from these activities is 2,047 jobs, \$239.7 million in labor income, and \$579.7 million in economic output. These economic activities generate more than \$14.5 million in tax revenues for the local governments in D.C. (Table 499).

Table 499: Summary of NASA Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	299	57,489	63,766	145,880	1,367
Indirect	1,277	143,220	175,960	347,100	8,096
Induced	471	39,022	59,051	86,741	5,053
Total	2,047	239,731	298,777	579,721	14,516
<i>Multiplier</i>	6.8	4.2	4.7	4.0	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the D.C. economy. Table 500 examines the sources of the employment figures in the second column of Table 499. NASA procurement sourced within the region is largely responsible for the overall NASA employment impacts. Approximately 79% of the jobs supported throughout the regional economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 21%.

Table 500: NASA Employment Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	299	69.4	0	0.0	299	14.6	100.0	0.0
Indirect	0	0.0	1,277	79.0	1,277	62.4	0.0	100.0
Induced	132	30.6	339	21.0	471	23.0	28.0	72.0
Total	431	100	1,616	100	2,047	100	21.1	78.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 501 examines the sources of the output figures in the fifth column of Table 499. Procurement spending is responsible for nearly 71% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 29%.

Table 501: NASA Output Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	145,880	85.7	0	0.0	145,880	25.2	100.0	0.0
Indirect	0	0.0	347,100	84.8	347,100	59.9	0.0	100.0
Induced	24,340	14.3	62,401	15.2	86,741	15.0	28.1	71.9
Total	170,220	100	409,501	100	579,721	100	29.4	70.6

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Washington, D.C. had 11 M2M-related civil service employees (4 FTEs) with a corresponding labor income of \$897,000. M2M campaign contracts sourced in the region in the same year totaled \$10.2 million. The total Washington, D.C. employment impact is 82 jobs. The labor income and economic output associated with this employment are \$10.9 million and \$21.4 million, respectively. The M2M campaign generates \$604,000 in tax revenues for the local governments in Washington, D.C. (Table 502).

Table 502: Summary of M2M Campaign Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	897	948	2,169	21
Indirect	55	8,019	9,616	14,993	339
Induced	23	1,951	2,934	4,196	244
Total	82	10,867	13,498	21,358	604
<i>Multiplier</i>	<i>20.5</i>	<i>12.1</i>	<i>14.2</i>	<i>9.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Washington, D.C. economy. Approximately 93 percent of the employment impacts and

88 percent of the output impacts are due to NASA procurement sourced within the region.

Table 503: M2M Campaign Employment Impacts by Sources of Impact, Washington, D.C.

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	4	66.7	0	0.0	4	4.9	100.0	0.0
Indirect	0	0.0	55	72.4	55	67.1	0.0	100.0
Induced	2	33.3	21	27.6	23	28.0	8.7	91.3
Total	6	100	76	100	82	100	7.3	92.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 504: M2M Campaign Output Impacts by Sources of Impact, Washington, D.C.

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	2,169	84.2	0	0.0	2,169	10.2	100.0	0.0
Indirect	0	0.0	14,993	79.8	14,993	70.2	0.0	100.0
Induced	407	15.8	3,789	20.2	4,196	19.6	9.7	90.3
Total	2,576	100	18,782	100	21,358	100	12.1	87.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

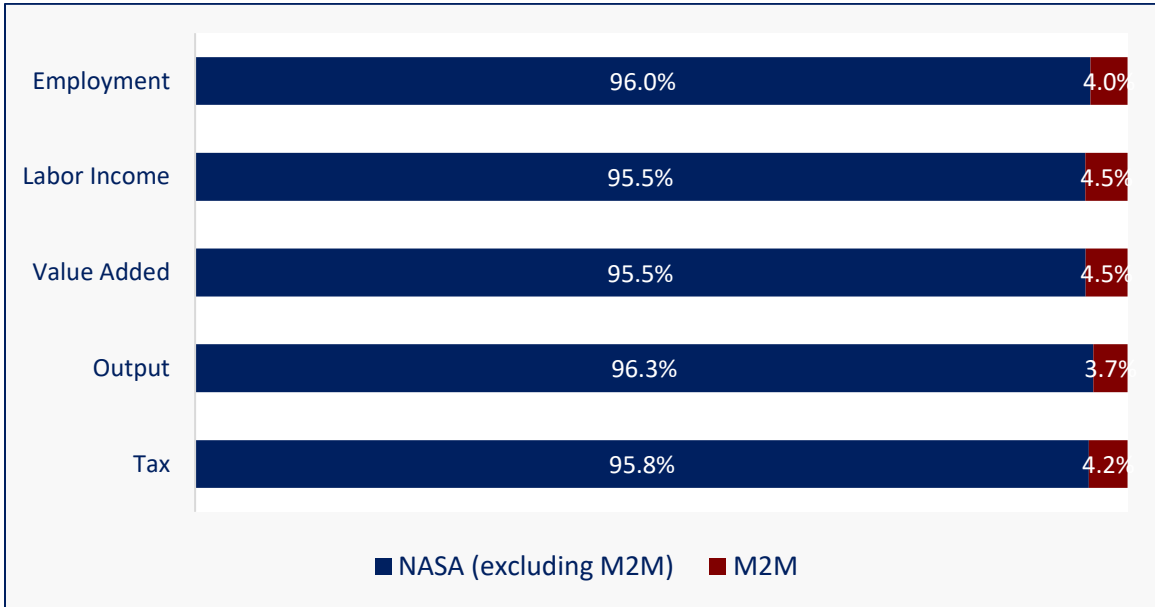
The M2M Campaign’s Share of NASA Impacts

Around 4% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 505 and Figure 142). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 505: The M2M Campaign Portion of Overall NASA Impacts, Washington, D.C.

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	2,047	239,731	298,777	579,721	14,516
M2M Portion	82	10,867	13,498	21,358	604
M2M Share (%)	4.0%	4.5%	4.5%	3.7%	4.2%

Figure 142: The M2M Campaign Portion of Overall NASA Impacts, Washington, D.C.



Investments in Climate Change Research and Technology Impacts

In 2021, Washington, D.C. had 66 climate change research and technology-related civil service employees (34 FTEs) with a corresponding labor income of \$6.5 million. Investments in climate change research and technology contracts sourced in the region in the same year totaled approximately \$11.8 million. The total Washington, D.C. employment impact is 238 jobs. The labor income and economic output associated with this employment are \$26.8 million and \$58.2 million, respectively. The investments in climate change research and technology generate \$1.5 million in tax revenues for the local governments in Washington, D.C. (Table 506).

Table 506: Investments in Summary of Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	34	6,548	7,307	16,717	156
Indirect	152	16,119	19,973	32,167	848
Induced	52	4,109	6,210	9,344	543
Total	238	26,776	33,490	58,228	1,547
<i>Multiplier</i>	<i>7.0</i>	<i>4.1</i>	<i>4.6</i>	<i>3.5</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Washington, D.C. economy. Seventy-nine (79) percent of the employment impacts and nearly 67 percent of the output impacts are due to NASA procurement sourced within the region.

Table 507: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Washington, D.C.

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	34	69.4	0	0.0	34	14.3	100.0	0.0
Indirect	0	0.0	152	80.4	152	63.9	0.0	100.0
Induced	15	30.6	37	19.6	52	21.8	28.8	71.2
Total	49	100	189	100	238	100	20.6	79.4

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 508: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Washington, D.C.

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	16,717	86.3	0	0.0	16,717	28.7	100.0	0.0
Indirect	0	0.0	32,167	82.8	32,167	55.2	0.0	100.0
Induced	2,663	13.7	6,681	17.2	9,344	16.0	28.5	71.5
Total	19,380	100	38,848	100	58,228	100	33.3	66.7

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

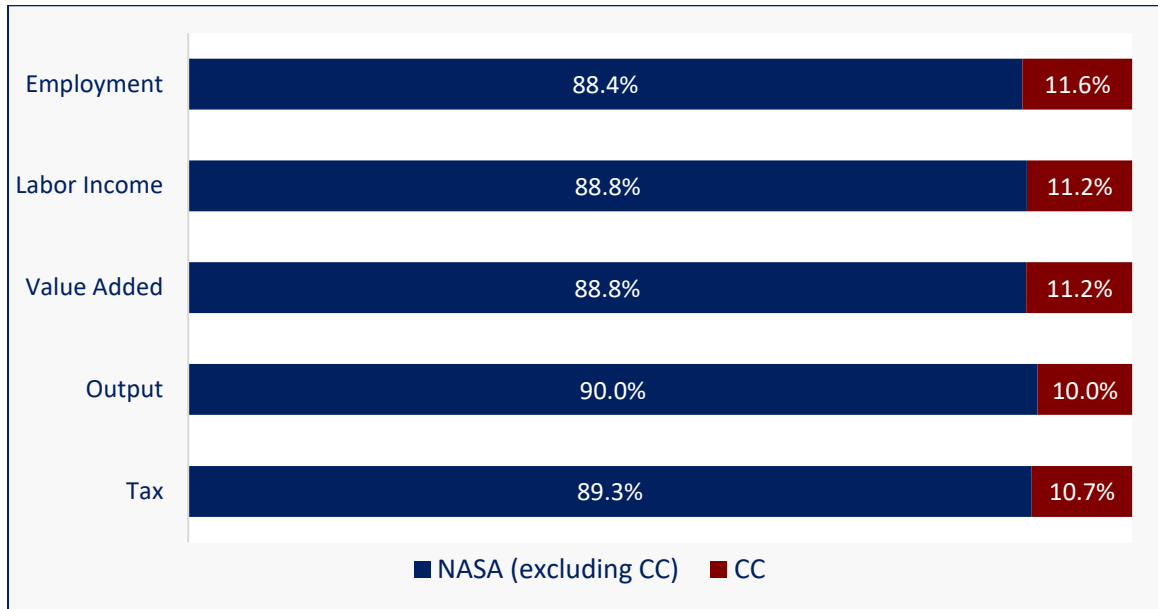
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 11% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 509 and Figure 143). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 509: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Washington, D.C.

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	2,047	239,731	298,777	579,721	14,516
CC Portion	238	26,776	33,490	58,228	1,547
CC Share (%)	11.6%	11.2%	11.2%	10.0%	10.7%

Figure 143: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Washington, D.C.



Economic Impacts on the State of West Virginia

NASA Impacts

In 2021, 68 NASA civil service employees (60 FTEs) residing in West Virginia earned \$10.6 million in labor income. NASA contracts sourced in West Virginia in the same year totaled \$46.0 million. The total economic impact resulting from these activities is 707 jobs, \$47.8 million in labor income, and \$139.2 million in economic output. These economic activities generate \$4.5 million in tax revenues for the state and local governments in West Virginia (Table 510).

Table 510: Summary of NASA Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	60	10,571	12,856	29,411	297
Indirect	364	24,490	35,418	69,447	1,762
Induced	283	12,710	21,819	40,339	2,464
Total	707	47,771	70,093	139,197	4,523
<i>Multiplier</i>	<i>11.8</i>	<i>4.5</i>	<i>5.5</i>	<i>4.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the West Virginia economy. Table 511 examines the sources of the employment figures in the second column of Table 510. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 79% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 21%.

Table 511: NASA Employment Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	60	39.7	0	0.0	60	8.5	100.0	0.0
Indirect	0	0.0	364	65.5	364	51.5	0.0	100.0
Induced	91	60.3	192	34.5	283	40.0	32.2	67.8
Total	151	100	556	100	707	100	21.4	78.6

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 512 examines the sources of the output figures in the fifth column of Table 510. Procurement spending is responsible for more than 69% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is approximately 31%.

Table 512: NASA Output Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	29,411	69.4	0	0.0	29,411	21.1	100.0	0.0
Indirect	0	0.0	69,447	71.8	69,447	49.9	0.0	100.0
Induced	12,997	30.6	27,342	28.2	40,339	29.0	32.2	67.8
Total	42,408	100	96,789	100	139,197	100	30.5	69.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, West Virginia had one M2M-related civil service employee (<1 FTE) with a corresponding labor income of \$2,000. M2M campaign contracts sourced in the state in the same year totaled \$5.4 million. The total West Virginia employment impact is 61 jobs. The labor income and economic output associated with this employment are \$3.8 million and \$11.3 million, respectively. The M2M campaign generates \$393,000 in tax revenues for the state and local governments in West Virginia (Table 513).

Table 513: Summary of M2M Campaign Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	2	6	13	<1
Indirect	39	2,807	4,173	8,061	197
Induced	22	1,034	1,771	3,218	196
Total	61	3,843	5,950	11,292	393
<i>Multiplier</i>	<i>2267.9</i>	<i>1921.5</i>	<i>991.7</i>	<i>868.6</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the West Virginia economy. Nearly all of the employment and output impacts are due to NASA procurement sourced within the state.

Table 514: M2M Campaign Employment Impacts by Sources of Impact, West Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	<1	65.7	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	39	63.9	39	63.9	0.0	100.0
Induced	<1	34.3	22	36.1	22	36.0	0.1	99.9
Total	<1	100	61	100	61	100	0.1	99.9

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 515: M2M Campaign Output Impacts by Sources of Impact, West Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	13	86.7	0	0.0	13	0.1	100.0	0.0
Indirect	0	0.0	8,061	71.5	8,061	71.4	0.0	100.0
Induced	2	13.3	3,216	28.5	3,218	28.5	0.1	99.9
Total	15	100	11,277	100	11,292	100	0.1	99.9

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

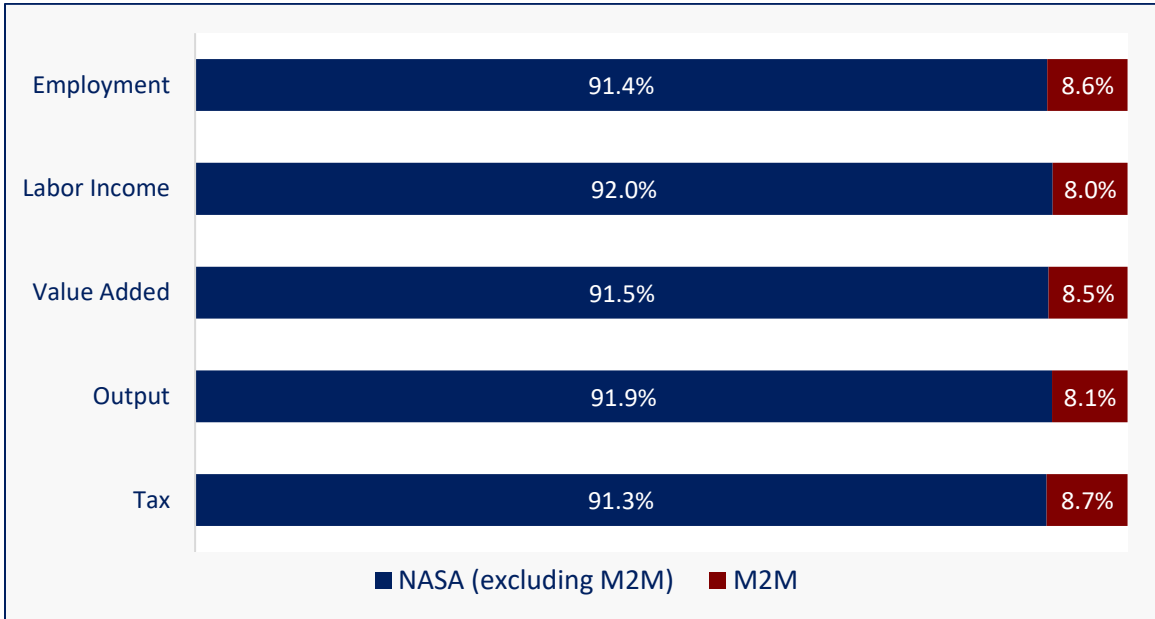
The M2M Campaign’s Share of NASA Impacts

Around 8% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 516 and Figure 144). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 516: The M2M Campaign Portion of Overall NASA Impacts, West Virginia

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	707	47,771	70,093	139,197	4,523
M2M Portion	61	3,843	5,950	11,292	393
M2M Share (%)	8.6%	8.0%	8.5%	8.1%	8.7%

Figure 144: The M2M Campaign Portion of Overall NASA Impacts, West Virginia



Investments in Climate Change Research and Technology Impacts

In 2021, West Virginia had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$213,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$4.2 million. The total West Virginia employment impact is 53 jobs. The labor income and economic output associated with this employment are \$3.2 million and \$9.7 million, respectively. The investments in climate change research and technology generate \$330,000 in tax revenues for the state and local governments in West Virginia (Table 517).

Table 517: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	213	214	489	6
Indirect	33	2,117	3,229	6,476	159
Induced	19	823	1,419	2,696	165
Total	53	3,153	4,862	9,661	330
<i>Multiplier</i>	<i>53.0</i>	<i>14.8</i>	<i>22.7</i>	<i>19.8</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the West Virginia economy. More than 94 percent of the employment impacts and 92 percent of the output impacts are due to NASA procurement sourced within the state.

Table 518: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, West Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	33.3	0	0.0	1	1.9	100.0	0.0
Indirect	0	0.0	33	66.0	33	62.3	0.0	100.0
Induced	2	66.7	17	34.0	19	35.8	10.5	89.5
Total	3	100	50	100	53	100	5.7	94.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 519: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, West Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	489	65.0	0	0.0	489	5.1	100.0	0.0
Indirect	0	0.0	6,476	72.7	6,476	67.0	0.0	100.0
Induced	263	35.0	2,433	27.3	2,696	27.9	9.8	90.2
Total	752	100	8,909	100	9,661	100	7.8	92.2

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

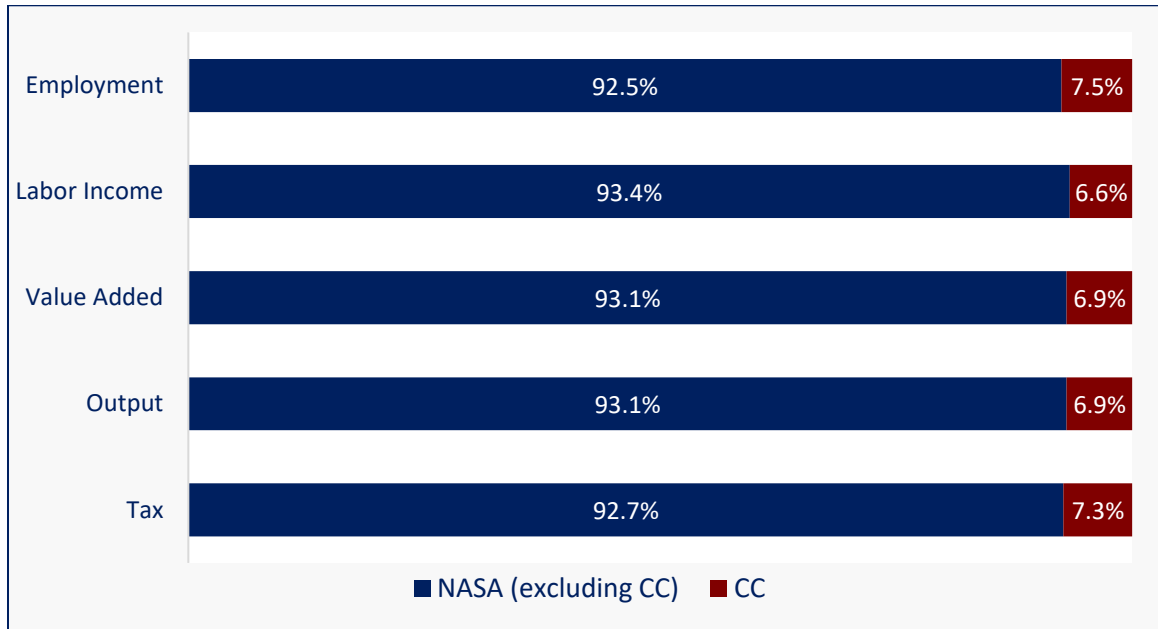
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 7% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 520 and Figure 145). The primary reason the shares are slightly different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 520: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, West Virginia

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	707	47,771	70,093	139,197	4,523
CC Portion	53	3,153	4,862	9,661	330
CC Share (%)	7.5%	6.6%	6.9%	6.9%	7.3%

Figure 145: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, West Virginia



Economic Impacts on the State of Wisconsin

NASA Impacts

In 2021, 17 NASA civil service employees (8 FTEs) residing in Wisconsin earned \$880,000 in labor income. NASA contracts sourced in Wisconsin in the same year totaled \$17.7 million. The total economic impact resulting from these activities is 268 jobs, \$17.9 million in labor income, and \$54.9 million in economic output. These economic activities generate \$1.9 million in tax revenues for the state and local governments in Wisconsin (Table 521).

Table 521: Summary of NASA Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	880	1,720	3,935	25
Indirect	151	11,344	16,764	32,955	885
Induced	109	5,640	9,718	18,038	1,039
Total	268	17,864	28,202	54,928	1,949
<i>Multiplier</i>	<i>33.5</i>	<i>20.3</i>	<i>16.4</i>	<i>14.0</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Wisconsin economy. Table 522 examines the sources of the employment figures in the second column of Table 521. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Approximately 94% of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is 6%.

Table 522: NASA Employment Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	8	47.1	0	0.0	8	3.0	100.0	0.0
Indirect	0	0.0	151	60.2	151	56.3	0.0	100.0
Induced	9	52.9	100	39.8	109	40.7	8.3	91.7
Total	17	100	251	100	268	100	6.3	93.7

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 523 examines the sources of the output figures in the fifth column of Table 521. Procurement spending is responsible for nearly 90% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 10%.

Table 523: NASA Output Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,935	71.5	0	0.0	3,935	7.2	100.0	0.0
Indirect	0	0.0	32,955	66.7	32,955	60.0	0.0	100.0
Induced	1,569	28.5	16,469	33.3	18,038	32.8	8.7	91.3
Total	5,504	100	49,424	100	54,928	100	10.0	90.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts

In 2021, Wisconsin had two M2M-related civil service employees (1 FTE) with a corresponding labor income of \$209,000. M2M campaign contracts sourced in the state in the same year totaled \$1.2 million. The total Wisconsin employment impact is 20 jobs. The labor income and economic output associated with this employment are \$1.4 million and \$4.1 million, respectively. The M2M campaign generates \$150,000 in tax revenues for the state and local governments in Wisconsin (Table 524).

Table 524: Summary of M2M Campaign Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	209	215	491	6
Indirect	10	738	1,071	2,033	53
Induced	9	502	864	1,570	91
Total	20	1,449	2,150	4,094	150
<i>Multiplier</i>	<i>20.0</i>	<i>6.9</i>	<i>10.0</i>	<i>8.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Wisconsin economy. Eighty-five (85) percent of the employment impacts and more than 78 percent of the output impacts are due to NASA procurement sourced within the state.

Table 525: M2M Campaign Employment Impacts by Sources of Impact, Wisconsin

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	M2M Emp.	M2M Proc.
Direct	1	33.3	0	0.0	1	5.0	100.0	0.0
Indirect	0	0.0	10	58.8	10	50.0	0.0	100.0
Induced	2	66.7	7	41.2	9	45.0	22.2	77.8
Total	3	100	17	100	20	100	15.0	85.0

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 526: M2M Campaign Output Impacts by Sources of Impact, Wisconsin

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	491	55.7	0	0.0	491	12.0	100.0	0.0
Indirect	0	0.0	2,033	63.3	2,033	49.7	0.0	100.0
Induced	391	44.3	1,179	36.7	1,570	38.3	24.9	75.1
Total	882	100	3,212	100	4,094	100	21.5	78.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

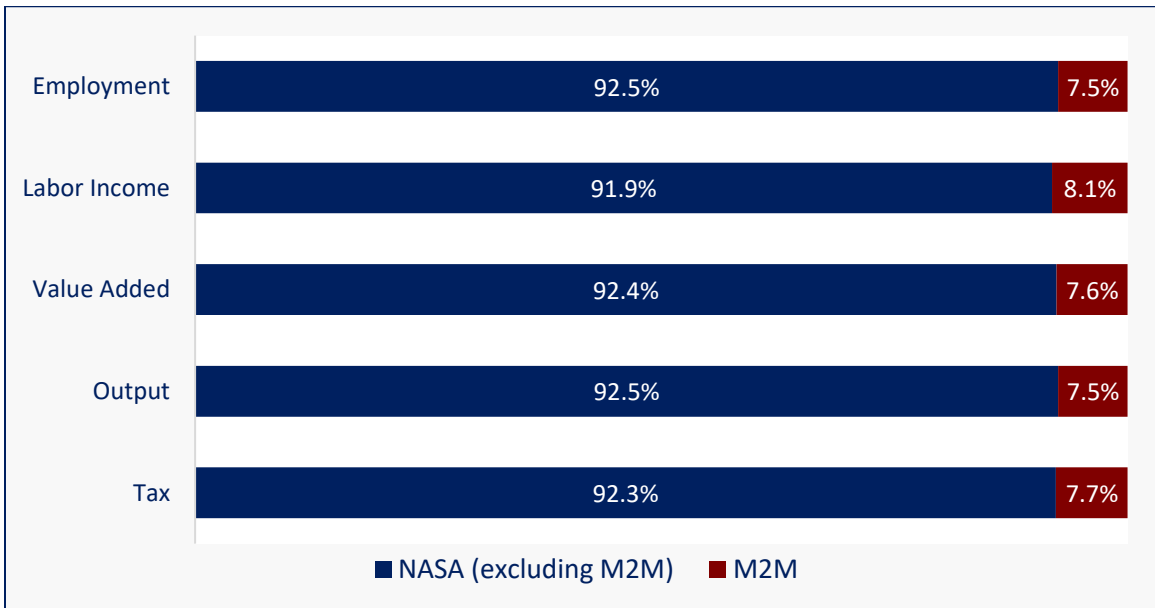
The M2M Campaign’s Share of NASA Impacts

Around 8% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 527 and Figure 146). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 527: The M2M Campaign Portion of Overall NASA Impacts, Wisconsin

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	268	17,864	28,202	54,928	1,949
M2M Portion	20	1,449	2,150	4,094	150
M2M Share (%)	7.5%	8.1%	7.6%	7.5%	7.7%

Figure 146: The M2M Campaign Portion of Overall NASA Impacts, Wisconsin



Investments in Climate Change Research and Technology Impacts

In 2021, Wisconsin had two climate change research and technology-related civil service employees (1 FTE) with a corresponding labor income of \$66,000. Investments in climate change research and technology contracts sourced in the state in the same year totaled \$7.6 million. The total Wisconsin employment impact is 116 jobs. The labor income and economic output associated with this employment are \$6.9 million and \$21.2 million, respectively. The investments in climate change research and technology generate \$781,000 in tax revenues for the state and local governments in Wisconsin (Table 528).

Table 528: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	66	177	406	2
Indirect	69	4,637	6,826	13,440	354
Induced	46	2,257	3,885	7,372	425
Total	116	6,960	10,888	21,218	781
<i>Multiplier</i>	<i>116.0</i>	<i>105.5</i>	<i>61.5</i>	<i>52.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Wisconsin economy. Around 98 percent of the employment impacts and output impacts are due to NASA procurement sourced within the state.

Table 529: Investments in Climate Change Research and Technology Employment Impacts by Sources of Impact, Wisconsin

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	CC Emp.	CC Proc.
Direct	1	50.0	0	0.0	1	0.9	100.0	0.0
Indirect	0	0.0	69	60.5	69	59.5	0.0	100.0
Induced	1	50.0	45	39.5	46	39.7	2.2	97.8
Total	2	100	114	100	116	100	1.7	98.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 530: Investments in Climate Change Research and Technology Output Impacts by Sources of Impact, Wisconsin

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	CC Emp.	CC Proc.
Direct	406	77.8	0	0.0	406	1.9	100.0	0.0
Indirect	0	0.0	13,440	64.9	13,440	63.3	0.0	100.0
Induced	116	22.2	7,256	35.1	7,372	34.7	1.6	98.4
Total	522	100	20,696	100	21,218	100	2.5	97.5

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

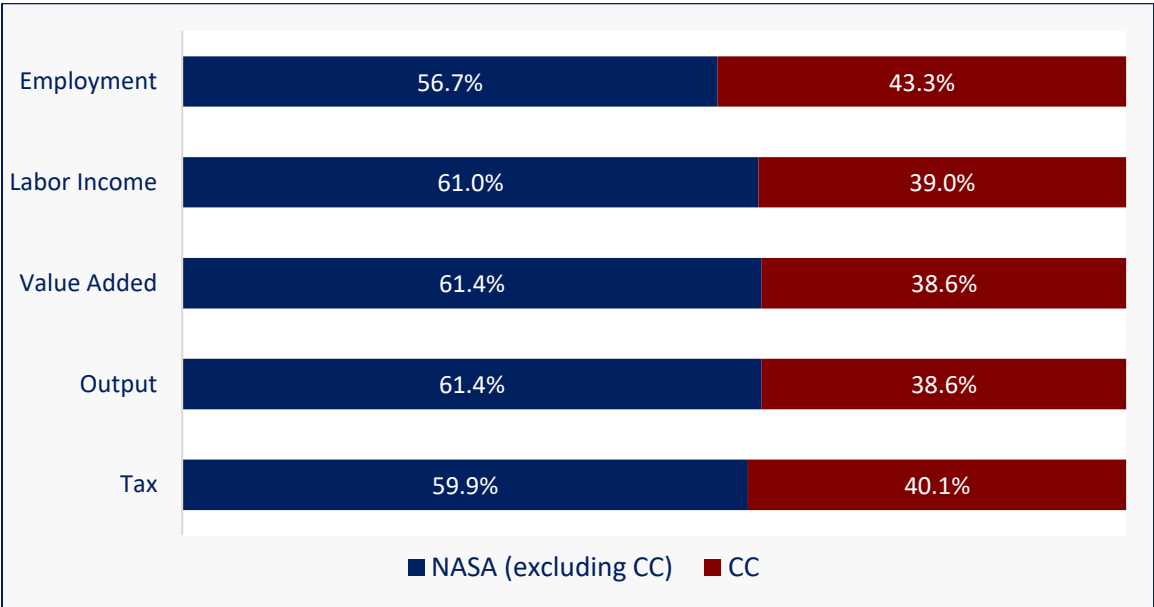
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 40% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 531 and Figure 147). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 531: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Wisconsin

Impact Component	Employment	Labor			Output (\$ thousands)	Tax (\$ thousands)
		Income (\$ thousands)	Value Added (\$ thousands)			
NASA Total	268	17,864	28,202	54,928	1,949	
CC Portion	116	6,960	10,888	21,218	781	
CC Share (%)	43.3%	39.0%	38.6%	38.6%	40.1%	

Figure 147: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Wisconsin



Economic Impacts on the State of Wyoming

NASA Impacts

In 2021, two NASA civil service employees (2 FTEs) residing in Wyoming earned \$259,000 in labor income. NASA contracts sourced in Wyoming in the same year totaled \$3.1 million. The total economic impact resulting from these activities is 39 jobs, \$2.2 million in labor income, and \$7.3 million in economic output. These economic activities generate \$178,000 in tax revenues for the state and local governments in Wyoming (Table 532).

Table 532: Summary of NASA Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	259	414	946	2
Indirect	28	1,591	2,125	4,870	91
Induced	9	383	750	1,465	85
Total	39	2,233	3,289	7,281	178
<i>Multiplier</i>	<i>19.5</i>	<i>8.6</i>	<i>7.9</i>	<i>7.7</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

The following two tables examine the contribution of different NASA activities to the Wyoming economy. Table 533 examines the sources of the employment figures in the second column of Table 532. NASA procurement sourced within the state is largely responsible for the overall NASA employment impacts. Ninety-two (92) of the jobs supported throughout the state economy by NASA are due to its procurement spending. The share of NASA direct labor force in the overall employment impact is approximately 8%.

Table 533: NASA Employment Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Jobs	%	Jobs	%	Jobs	%	NASA Emp.	NASA Proc.
Direct	2	66.7	0	0.0	2	5.1	100.0	0.0
Indirect	0	0.0	28	77.8	28	71.8	0.0	100.0
Induced	1	33.3	8	22.2	9	23.1	11.1	88.9
Total	3	100	36	100	39	100	7.7	92.3

Note: The direct employment impact consists of NASA jobs (FTEs) while indirect employment impact consists of NASA contractor employees and employees in the supply chain of those contractors.

Table 534 examines the sources of the output figures in the fifth column of Table 532. Procurement spending is responsible for 84% of the increase in output in the state economy arising from NASA. NASA labor force’s share of overall NASA output impact is 16%.

Table 534: NASA Output Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Output (\$ 000)	%	Output (\$ 000)	%	Output (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	946	81.1	0	0.0	946	13.0	100.0	0.0
Indirect	0	0.0	4,870	79.7	4,870	66.9	0.0	100.0
Induced	221	18.9	1,244	20.3	1,465	20.1	15.1	84.9
Total	1,167	100	6,114	100	7,281	100	16.0	84.0

Note: The direct output impact is associated with NASA labor force while indirect output impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

M2M Campaign Impacts⁴⁰

In 2021, Wyoming had one M2M-related civil service employee (1 FTE) with a corresponding labor income of \$178,000. The total economic impact attributable to this income is two jobs, \$220,000 in labor income, and \$643,000 worth of output. These economic activities generate \$11,000 in tax revenues for the state and local governments in Wyoming (Table 535).

Table 535: Summary of M2M Program Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	178	213	487	2
Indirect	0	0	0	0	0
Induced	1	42	82	156	9
Total	2	220	295	643	11
<i>Multiplier</i>	<i>2.0</i>	<i>1.2</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Note: The direct value added figure represents the economic value added by NASA employees to products and services they procure for their production and management. It is calculated using the value-added-to-employee ratio in two industries: (1) guided missile and space vehicle manufacturing, and (2) propulsion units and parts for space vehicle and guided missiles manufacturing. Similarly, the direct output figure represents the value of production and management within the NASA program, including the value of

⁴⁰ Wyoming along with North Dakota are the only states with no M2M campaign-related procurement activity.

intermediary products and services, and is calculated based on the estimated ratios of output-to-employee in the same two industries.

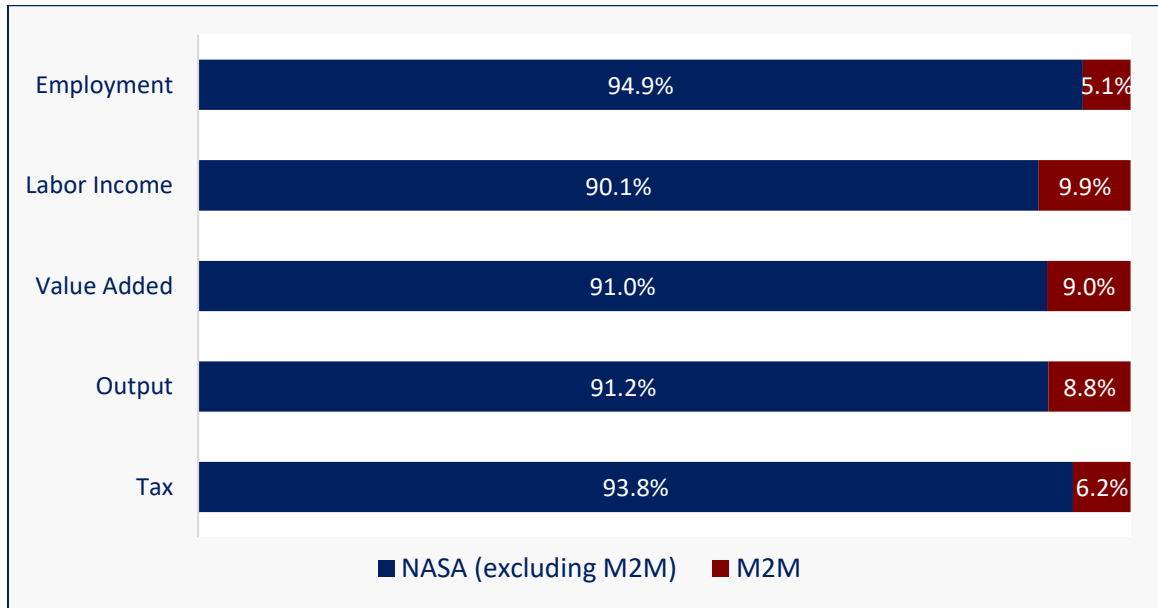
The M2M Campaign's Share of NASA Impacts

Around 8% of overall NASA agency impacts in the state are attributable to the M2M campaign (Table 536 and Figure 148). The primary reason the shares are different is that the sectoral distribution of procurement spending for the M2M campaign is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 536: The M2M Campaign Portion of Overall NASA Impacts, Wyoming

Impact Component	Employment	Labor			
		Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	39	2,233	3,289	7,281	178
M2M Portion	2	220	295	643	11
M2M Share (%)	5.1%	9.9%	9.0%	8.8%	6.2%

Figure 148: The M2M Campaign Portion of Overall NASA Impacts, Wyoming



Investments in Climate Change Research and Technology Impacts

There were no climate change research and technology-specific NASA employees in Wyoming in FY 2021, but \$1.5 million in investments in climate change research and technology NASA contracts were sourced in the state. The total economic impact

attributable to this procurement activity is 17 jobs, \$873,000 in labor income, and \$2.9 million worth of output. These economic activities generate \$76,000 in tax revenues for the state and local governments in Wyoming (Table 537).

Table 537: Summary of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	13	723	986	2,288	42
Induced	4	150	291	578	34
Total	17	873	1,277	2,866	76
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

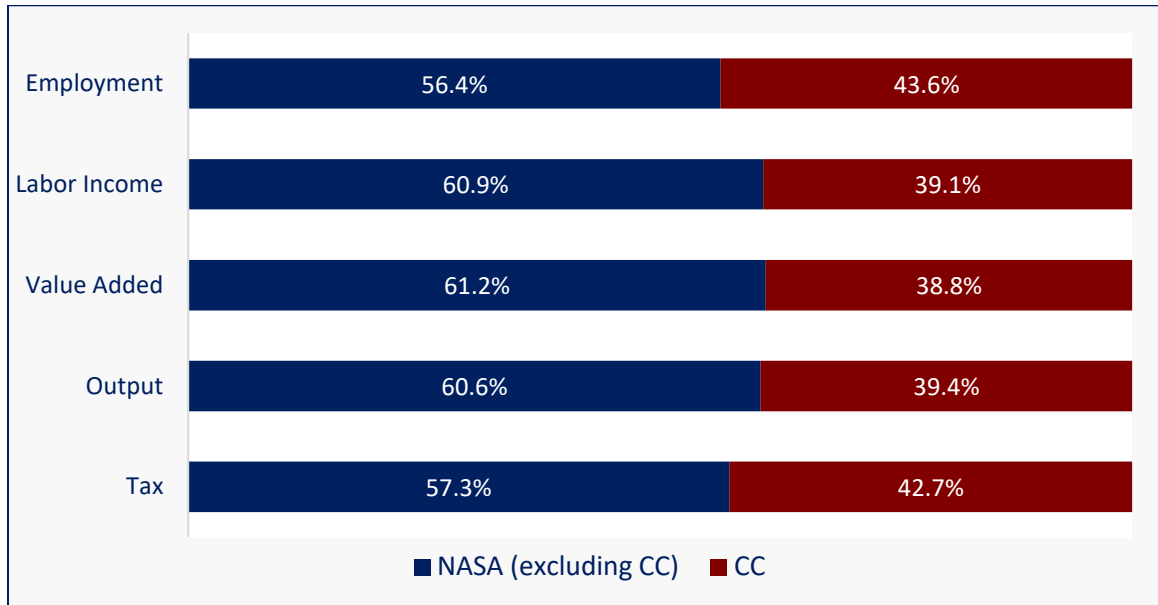
The Investments in Climate Change Research and Technology’s Share of NASA Impacts

Around 41% of overall NASA agency impacts in the state are attributable to the investments in climate change research and technology (Table 538 and Figure 149). The primary reason the shares are different is that the sectoral distribution of procurement spending for investments in climate change research and technology is different from the sectoral distribution of procurement spending for NASA as a whole and spending in different industry sectors produce different value added/output/tax impacts (due to industry-specific multipliers).

Table 538: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Wyoming

Impact Component	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
NASA Total	39	2,233	3,289	7,281	178
CC Portion	17	873	1,277	2,866	76
CC Share (%)	43.6%	39.1%	38.8%	39.4%	42.7%

Figure 149: The Investments in Climate Change Research and Technology Portion of Overall NASA Impacts, Wyoming



CONCLUSION

In this study, we examined the economic impacts of National Aeronautics and Space Administration (NASA) and the Moon to Mars (M2M) campaign and the investments in climate change research and technology on the U.S., the fifty (50) states, and Washington, D.C. for the Fiscal Year 2021. We first presented economic impacts of NASA on each region and then examined M2M campaign and investments in climate change research and technology impacts. We distinguished the portion of NASA impacts attributable to the M2M campaign and the investments in climate change research and technology to highlight the relative contribution of these efforts in every state as well as the nation.

The impact estimates reported in this study are the sum of three channels of economic impact: (1) the direct contribution of NASA's own activities; (2) indirect (contracting) activities within NASA's U.S. supply chain; and (3) the induced effect that results as federal civil servants at NASA facilities, employees of contractors, and employees within the supply chain of those contractors spend their wages in the wider consumer economy. The economic impact was examined through a detailed analysis of the changes in employment, output (gross sales), labor income, value added, and taxes due to NASA's activities.

NASA

At the national level, NASA directly employs 19,319 civil servants (corresponding to 17,736 full-time equivalent (FTE) jobs), paying \$3.2 billion in annual wages and benefits (Fiscal Year 2021).⁴¹ The \$21.2 billion in contracting activity originating from NASA is very diverse, involving almost every major category of manufacturing or service industry. Taking the domestic portions of these spending streams into account, the total employment impact of NASA across the U.S. is 339,645 jobs (direct, indirect, and induced). The labor income and economic output associated with this total amount of employment are, respectively, \$25.7 billion, and \$71.2 billion. Contracting activities along with NASA's direct employment generated an estimated \$7.7 billion in federal, state, and local tax revenues in 2021.

For every civil service FTE job located at NASA, an additional 18 jobs are supported throughout the U.S. economy. The income multiplier is 7.9: for each \$1 million of labor income earned by NASA employees, an additional \$6.9 million in labor income is generated in the U.S. economy. The output multiplier is 8.2. For each \$1 million's worth of output generated at NASA, an additional \$7.2 million of output (intermediary and final goods and services) is generated throughout the U.S. economy. These figures are boosted by the large volume of procurement spending administered through NASA.

⁴¹ The number of civil servants excluding those residing in U.S. territories is 19,312 (17,732 FTEs). These are the figures used in the national economic impact model.

NASA's economic impacts are concentrated both geographically and sectorally. The top ten most impacted states account for 90% of total NASA employment impacts. These states are California, Texas, Alabama, Florida, Maryland, Virginia, Colorado, Ohio, Mississippi, and Utah. Impacts on Washington, Arizona, Massachusetts, Louisiana, and New York are also significant. The top ten most impacted industries account for 47 percent of total NASA impacts. Scientific research and development services is the most affected sector—20 percent of total NASA impacts are concentrated in this sector.

Finally, approximately 28% of overall NASA agency impacts in the U.S. are attributable to the M2M campaign. The M2M campaign-specific employment accounts for 2% of overall NASA employment impacts while M2M campaign-related procurement accounts for 26% of overall NASA employment impacts. Around 11% of overall NASA agency impacts in the U.S. are attributable to the investments in climate change research and technology. Climate change research and technology specific employment accounts for 1% of overall NASA employment impacts while climate change research and technology-related procurement accounts for 10% of overall NASA employment impacts.

Moon to Mars (M2M) Campaign

At the national level, NASA directly employs 4,644 civil servants (2,474 FTEs) to support the M2M campaign, paying more than \$440 million in annual wages and benefits. The M2M contracts originating from NASA are both large in volume (\$6.7 billion) and diverse. There are indirect effects from the purchases of goods and services by NASA Centers as well as by the firms that supply those centers. Consumption expenditures made by the M2M labor force, by suppliers to the M2M campaign, and by suppliers further upstream within the production chain, create induced effects. Taking the domestic portions of these spending streams into account, the total employment impact of the M2M campaign across the U.S., is 93,731 jobs. The labor income and economic output associated with this total amount of employment are, respectively, \$7.1 billion, and \$20.1 billion. M2M contracting activities along with NASA's direct employment for the M2M campaign generated an estimated \$2.2 billion in federal, state, and local tax revenues in 2021.

For every (FTE) civil service job located at NASA centers related to M2M, nearly 37 additional jobs are supported throughout the U.S. economy. For each million dollars of labor income earned by M2M-assigned NASA employees, an additional \$15.2 million of labor income is generated in the U.S. And for each \$1 million worth of output produced by the M2M campaign, an additional \$15.7 million output—consisting of both intermediary inputs and consumption goods and services—is produced throughout the national economy. These figures are exceptionally large because of the extremely high volume of procurement spending relative to civil service employment.

The M2M campaign related labor and procurement activity is concentrated in certain states, as a result the economic impacts resulting from those activities. Alabama, Colorado, Texas, California, Florida, Utah, Washington, Virginia, Ohio, and Louisiana are the most impacted states, respectively. Ten states account for 96 percent of all M2M-related employment impacts. As a share of overall NASA impacts, M2M campaign impacts are heavily concentrated in some states. Among the top-ten most impacted states (by the M2M campaign), more than half of overall NASA impacts in Utah, Washington, Alabama, and Colorado are attributable to the M2M campaign.

Investments in Climate Change Research and Technology

At the national level, NASA directly employs 3,668 civil servants (1,844 FTEs) to support investments in climate change research and technology, paying nearly \$330 million in annual wages and benefits. Investments in climate change research and technology contracts originating from NASA are both large in volume (\$2.2 billion) and diverse. There are indirect effects from the purchases of goods and services by NASA Centers as well as by the firms that supply those centers. Consumption expenditures made by climate change research and technology labor force, by suppliers to climate change research and technology, and by suppliers further upstream within the production chain, create induced effects. Taking the domestic portions of these spending streams into account, the total employment impact of the investments in climate change research and technology across the U.S., is 37,005 jobs. The labor income and economic output associated with this total amount of employment are, respectively, \$2.7 billion, and \$7.4 billion. Investments in climate change research and technology contracting activities along with NASA's direct employment for climate change research and technology generated an estimated \$810 million in federal, state, and local tax revenues in 2021.

For every (FTE) civil service job located at NASA centers related to climate change research and technology, 19 additional jobs are supported throughout the U.S. economy. For each million dollars of labor income earned by climate change research and technology-assigned NASA employees, an additional \$7.2 million of labor income is generated in the U.S. And for each \$1 million worth of output produced by the investments in climate change research and technology, an additional \$7.2 million of output—consisting of both intermediary inputs and consumption goods and services—is produced throughout the national economy.

Climate change research and technology-related labor and procurement activity is concentrated in certain states, as a result the economic impacts resulting from those activities. California, Maryland, Virginia, Colorado, Florida, Ohio, Alabama, Massachusetts, Texas, and New York are the most impacted states, respectively. Ten states account for 86 percent of all climate change research and technology-related employment impacts. As a share of overall NASA impacts, investments in climate change research and technology impacts are heavily concentrated in some states. Among the

top-ten most impacted states (by NASA investments in climate change research and technology), considerable portion of overall NASA impacts in Massachusetts and New York are attributable to the investments in climate change research and technology.

NASA, M2M and investments in climate change research and technology impacts in the state and national economies go beyond the dollars they generate and the jobs they support. In addition to the economic benefits they generate, they help drive an innovation-based economy with the infusion of billions of dollars of spending in research and development in the aerospace sector.

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About the Authors

Zafer Sonmez has been a post-doctoral research associate at the University of Illinois at Chicago (UIC). His academic research focuses on innovation mechanisms in knowledge-intensive industrial sectors. He is investigating the role of spatial proximity in the innovation process, the extent to which spatial co-location of firms facilitates collaborative invention efforts at the firm level.

Joshua Drucker is Associate Professor in the Urban Planning and Policy Program at UIC. His expertise is in economic development, in particular in concepts and analysis of regional industrial structure, agglomeration, technology, and practical techniques for economic analysis. Dr. Drucker has worked as a consultant and researcher in the fields of economic and technology-based development in the government, non-profit, and educational sectors, on projects ranging from industry and impact studies to analyses of technology policy and the development of automated tools for economic analysis. He has master's and doctorate degrees in City and Regional Planning from the University of North Carolina at Chapel Hill.

Yittayih Zelalem is Voorhees Center Director and Research Associate Professor. Having been Director of Housing Development and Policy as well as Executive Director with various non-profit developers, he brings significant experience and expertise in development and finance. Professor Zelalem has law degrees from Addis Ababa University and the Yale Law School, as well as a master's degree in Urban Development; he was professor of law and currently teaches development finance courses.

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ECONOMIC MODELING WITH IMPLAN

Economic impact analysis using IMPLAN depends on input-output models of the economy. Input-output models are powerful tools for estimating the economy-wide effects of an initial change in economic activity: they trace purchasing relationships among businesses, government, and consumers to provide a full accounting of the way spending flows through a regional economy. By accounting for linkages across industries and other economic sectors, studies that use these models are able to document the multiple ways in which a change in one industry impacts other industries and consumers.

To effectively use these models and interpret the results, readers as well as analysts should be aware of the basics of the model structure as well as the assumptions and limitations of these models. In this section, we briefly discuss the mechanics of the input-output models and the assumptions underlying them.

Input-Output Analysis

Francois Quesnay first described inter-industry relationships in 1758. Wassily Leontief developed the concept of multipliers from input-output tables, receiving a Nobel Prize in 1973 for his work. Input-output analysis is a means of examining relationships within an economy, both between businesses and between businesses and final consumers. It captures all monetary market transactions for consumption in a given time period. The resulting mathematical formulae allow examination of the effects of a change in one or several economic activities on an entire economy (impact analysis).

A primary input-output study is based on data collected directly from industries. An example is the United States Bureau of Economic Analysis' Benchmark Study of Input-Output accounts (the data is based on economic censuses collected directly from firms). Other countries have conducted primary national level input-output studies as well. Primary state or local level input-output studies are not common due to the high cost of data collection.

Secondary input-output studies rely on data collected from other sources to construct the accounts. The inter-industry transaction information usually comes from some other primary study. IMPLAN is an example of a secondary input-output modeling system that relies on the data from the national Benchmark Input-Output accounts along with a variety of sources of regional information.

There are two phases in input/output analysis:

1. Descriptive modeling
2. Predictive modeling

Descriptive Model

A Descriptive Model includes information about local economic interactions known as regional economic accounts. These tables describe a local economy in terms of the flow of dollars from purchasers to producers within the region.

Trade Flows are also part of the descriptive model. They describe the movement of goods and services within a region and the outside world (regional imports and exports). The initial IMPLAN data details all purchases, including imported goods and services. When regional economic accounts are created, imports to the region are isolated from the initial data, allowing examination of local inter-industry transactions and final purchases.

By adding Social Accounting data, an analyst can examine non-industrial transactions, such as payment of taxes by businesses and households. Social accounting data include tax collection by governments and payments to households and businesses. Input-output accounting describes the flow of commodities from producers to intermediate and final consumers. Social Accounting Matrices (SAMs) show the flow of money among institutions. Both are part of the descriptive model.

Predictive Model

The regional economic accounts are used to construct local multipliers. Multipliers describe the response of the economy to a stimulus (a change in demand or production). The multipliers represent the Predictive Model. Purchases for final use (final demand) drive an input-output model.

Industries producing goods and services for consumption purchase goods and services from other producers. These other producers, in turn, purchase goods and services. These indirect purchases (indirect effects) continue until compounding leakages from the regional purchasing cycle (imports, wages, profits, etc.) halt the cycle or shrink it to negligible size. The indirect effects and the effects of increased household spending (induced effects) can be mathematically derived as sets of multipliers. The derivation is called the Leontief inverse. The resulting sets of multipliers describe the change of output for each industry caused by a one dollar change in final demand for any given industry.

Multipliers

Final consumption (or final demand) drives input-output models. Industries respond to meet demands directly or indirectly (by supplying goods and services to industries responding directly). Each industry that produces goods and services generates demands for other goods and services and so on, round by round. Multipliers describe these iterations.

Based on a production function of the industry, which shows where an industry spends and in what proportions to generate each dollar of output, IMPLAN develops the A Matrix. Through

algebraic manipulation of the A Matrix, it then derives the multipliers. The resulting equation is the predictive model:

$$X = (I - A)^{-1} * Y$$

Where;

X = Total industry output

I = Identity matrix

A = A Matrix

Y = Final Demand.

This can also be interpreted as:

$$\Delta X = (I - A)^{-1} * \Delta Y$$

or,

Change in Total Industry Output = (I - A)⁻¹ multiplied by Change in Final Demand.

The predictive model shows how output will change with a given change in final demand. The (I - A) inverse is the matrix of multipliers also known as the *Leontief inverse*.

Multipliers break the effects of stimuli on economic activity down into three components.

1. **Direct effects** are the changes in the industries to which a final demand change was made.
2. **Indirect effects** are the changes in inter-industry purchases as they respond to the new demands of the directly affected industries.
3. **Induced effects** typically reflect changes in spending from households as income increases or decreases due to the changes in production.

The Type I multiplier measures the direct and indirect effects of a change in economic activity. It captures the inter-industry effects only, i.e., industries buying from local industries.

The Type II multiplier captures direct, indirect, and induced effects. In addition to the inter-industry effects, Type II also takes into account the income and expenditures of households.

The household income and the household expenditures are treated as industries. This internalizes the household sector, including the induced or household spending, effects. This report employs Type II multipliers.

Key Assumptions

The accounting conventions that form the basis of an Input-Output (I-O) model and the way IMPLAN makes estimations impose assumptions that readers ought to be aware of when interpreting the results. Since many of these assumptions can lead to an overstatement of the

impacts of a project or program, many users of Impact models consider the estimates as upper bounds (Bess & Ambargis, 2011).

Input-output modeling is based on several assumptions:

- Constant Returns to Scale
- No Supply Constraints
- Fixed Commodity Input Structure
- Homogenous Sector Output
- Industry Technology Assumption

The first assumption is that the production functions (an industry's list of expenditures) are assumed to embody constant returns to scale. This means the production functions are linear; if additional output is required, all inputs increase proportionately. Under this assumption, if \$1 of new business in the impact area triggers \$2 in total economic activity, then \$1,000 will trigger \$2,000, \$1 million will trigger \$2 million, and \$1 billion will trigger \$2 billion. In reality, this might not be the case. A plant operating at full capacity might not be able to increase its capacity without undertaking aggressive capital investment, hiring new workers in a tight labor market, or acquiring expensive new property – realities that will impact the ratio of total economic activity to the direct impact. These common business practices are examples of the “non-linear” reality of business.

Second, no supply constraints means supplies are unlimited. An industry has unlimited access to raw materials and its output is limited only by the demand for its products. In the world of business, rising demand creates scarcity. Just as the housing boom of the mid-2000s drove up prices for construction materials and China's rising industrial output has created scarcities in concrete and energy supply, diverting hundreds of millions in federal contracts to a region might create short-term shortages in labor, materials, services and raw inputs.

Third, a fixed commodity input structure implies that price changes do not cause a firm to buy substitute goods. This structure assumes that changes in the economy will affect the industry's output but not the mix of commodities and services it requires to make its products. Input-output analysis will not be as accurate in cases in which a long-term spike in costs or a shortage in supply induces businesses to locate new suppliers or make their products differently (by substituting advanced machinery for labor, for example). Consequently, our analysis can only establish how spending would flow through the economy at a fixed point in time, not how the structure of the economy would change as a result of that spending.

Fourth, there is homogeneous sector output. That is, the proportions of all the commodities produced by that industry remain the same, regardless of total output. An industry will not increase the output of one product without proportionately increasing the output of all its other products.

Appendix

Finally, the industry technology assumption comes into play when data are collected on an industry-by-commodity basis and then converted to industry-by-industry matrices. The assumption is that an industry uses the same technology to produce all its products. In other words, an industry has a primary or main product, and all other products are byproducts of the primary product.

SUMMARY ECONOMIC IMPACTS BY SOURCES OF IMPACT

This section presents summary impact results by the source of impact (employment and procurement). The examination of summary impacts by NASA employment and procurement components highlights the relative contributions of NASA's employment and procurement activities to the overall NASA impacts. In addition, it allows the reader to assess economic multipliers associated with NASA employment and NASA procurement separately. The analogous tables for the M2M Program are provided following the NASA section.

United States

NASA

Table 1: Summary of Employment Component of NASA Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17,732	3,251,378	3,775,977	8,638,410	724,495
Indirect	0	0	0	0	0
Induced	27,401	1,548,346	2,749,744	4,901,399	599,101
Total	45,133	4,799,724	6,525,721	13,539,809	1,323,596
<i>Multiplier</i>	2.5	1.5	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 2: Summary of Procurement Component of NASA Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	100,292	8,973,820	11,954,199	21,111,605	2,173,931
Indirect	74,456	5,223,316	8,176,426	15,189,938	1,650,042
Induced	119,764	6,766,925	12,008,242	21,401,184	2,616,134
Total	294,512	20,964,061	32,138,867	57,702,727	6,440,107
<i>Multiplier</i>	2.9	2.3	2.7	2.7	<i>n.a.</i>

Moon to Mars Campaign

Table 3: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,474	440,200	526,766	1,205,097	98,088
Indirect	0	0	0	0	0
Induced	3,710	209,629	372,285	663,595	81,112
Total	6,184	649,829	899,051	1,868,692	179,200
<i>Multiplier</i>	2.5	1.5	1.7	1.6	<i>n.a.</i>

Appendix

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 4: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	26,208	2,664,264	3,662,045	6,655,527	670,506
Indirect	24,246	1,733,226	2,680,085	4,953,997	518,646
Induced	37,093	2,095,884	3,719,499	6,629,013	810,340
Total	87,547	6,493,374	10,061,629	18,238,537	1,999,492
<i>Multiplier</i>	3.3	2.4	2.7	2.7	n.a.

Investments in Climate Change Research and Technology

Table 5: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,844	329,851	392,681	898,349	73,500
Indirect	0	0	0	0	0
Induced	2,780	157,079	278,960	497,244	60,778
Total	4,624	486,930	671,641	1,395,593	134,278
<i>Multiplier</i>	2.5	1.5	1.7	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 6: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, the United States

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12,204	995,047	1,314,474	2,220,185	239,037
Indirect	7,426	516,623	812,052	1,516,380	158,088
Induced	12,751	720,463	1,278,590	2,278,747	278,557
Total	32,381	2,232,133	3,405,116	6,015,312	675,682
<i>Multiplier</i>	2.7	2.2	2.6	2.7	n.a.

Alabama

NASA

Table 7: Summary of Employment Component of NASA Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,276	403,062	484,620	1,108,678	10,379
Indirect	0	0	0	0	0
Induced	3,453	155,457	280,860	537,094	30,516
Total	5,729	558,519	765,480	1,645,772	40,895
<i>Multiplier</i>	2.5	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 8: Summary of Procurement Component of NASA Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13,093	983,646	1,296,594	2,682,295	40,909
Indirect	10,432	610,461	931,024	1,862,779	47,535
Induced	11,830	532,392	961,602	1,838,914	104,427
Total	35,355	2,126,499	3,189,220	6,383,988	192,871
<i>Multiplier</i>	2.7	2.2	2.5	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 9: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	605	105,437	128,932	294,961	2,715
Indirect	0	0	0	0	0
Induced	914	42,485	77,189	143,864	8,174
Total	1,519	147,922	206,121	438,825	10,889
<i>Multiplier</i>	2.5	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8,317	641,177	881,536	1,899,870	27,349
Indirect	6,934	475,190	728,685	1,335,634	32,900
Induced	8,129	377,893	686,408	1,279,320	72,652
Total	23,380	1,494,260	2,296,629	4,514,824	132,901
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.6</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 11: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	52	8,630	11,131	25,466	222
Indirect	0	0	0	0	0
Induced	76	3,308	5,945	11,782	669
Total	128	11,938	17,076	37,248	891
<i>Multiplier</i>	<i>2.5</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 12: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	367	24,453	31,924	67,531	-66
Indirect	288	14,654	20,772	47,509	1,379
Induced	300	13,123	23,577	46,723	2,653
Total	955	52,230	76,273	161,763	3,966
<i>Multiplier</i>	<i>2.6</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Alaska

NASA

Table 13: Summary of Employment Component of NASA Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	134	421	962	1
Indirect	0	0	0	0	0
Induced	1	54	95	163	7
Total	3	188	516	1,125	8
<i>Multiplier</i>	1.5	1.4	1.2	1.2	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 14: Summary of Procurement Component of NASA Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	273	20,269	21,652	41,105	382
Indirect	95	7,129	11,153	19,209	425
Induced	179	9,901	17,399	29,863	1,287
Total	547	37,299	50,204	90,177	2,094
<i>Multiplier</i>	2.0	1.8	2.3	2.2	n.a.

Moon to Mars Campaign

Table 15: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 16: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	608	634	1,137	9
Indirect	4	311	427	653	14
Induced	5	312	544	920	40
Total	17	1,231	1,605	2,710	63
<i>Multiplier</i>	<i>2.1</i>	<i>2.0</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 17: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	39	113	259	<1
Indirect	0	0	0	0	0
Induced	<1	15	27	48	2
Total	1	54	140	307	2
<i>Multiplier</i>	<i>1.0</i>	<i>1.4</i>	<i>1.2</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 18: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	81	6,158	6,813	14,019	159
Indirect	33	1,948	3,480	6,642	146
Induced	56	2,979	5,295	9,191	396
Total	170	11,085	15,588	29,852	701
<i>Multiplier</i>	<i>2.1</i>	<i>1.8</i>	<i>2.3</i>	<i>2.1</i>	<i>n.a.</i>

Arizona

NASA

Table 19: Summary of Employment Component of NASA Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,230	2,678	6,126	46
Indirect	0	0	0	0	0
Induced	25	1,309	2,290	4,108	228
Total	38	3,539	4,968	10,234	274
<i>Multiplier</i>	2.9	1.6	1.9	1.7	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 20: Summary of Procurement Component of NASA Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,264	96,691	138,133	248,169	3,608
Indirect	1,009	62,791	96,758	191,888	4,698
Induced	1,565	83,160	145,470	260,898	14,468
Total	3,838	242,642	380,361	700,955	22,774
<i>Multiplier</i>	3.0	2.5	2.8	2.8	n.a.

Moon to Mars Campaign

Table 21: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 22: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	155	11,387	16,601	27,975	605
Indirect	95	7,045	10,762	19,419	468
Induced	182	10,073	17,598	30,868	1,712
Total	432	28,505	44,961	78,262	2,785
<i>Multiplier</i>	2.8	2.5	2.7	2.8	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 23: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	409	516	1,182	8
Indirect	0	0	0	0	0
Induced	5	231	404	741	41
Total	7	640	920	1,923	49
<i>Multiplier</i>	3.5	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 24: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	84	6,054	8,828	15,710	306
Indirect	60	3,500	5,711	12,195	306
Induced	95	4,842	8,448	15,502	860
Total	239	14,396	22,987	43,407	1,472
<i>Multiplier</i>	2.8	2.4	2.6	2.8	<i>n.a.</i>

Arkansas

NASA

Table 25: Summary of Employment Component of NASA Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	309	630	1,441	8
Indirect	0	0	0	0	0
Induced	3	117	213	412	25
Total	6	426	843	1,853	33
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 26: Summary of Procurement Component of NASA Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	19	988	1,326	2,881	50
Indirect	11	581	912	1,858	55
Induced	12	534	969	1,872	115
Total	42	2,103	3,207	6,611	220
<i>Multiplier</i>	<i>2.2</i>	<i>2.1</i>	<i>2.4</i>	<i>2.3</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 27: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 28: Table 10: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	70	95	220	3
Indirect	1	51	77	146	4
Induced	1	42	77	145	9
Total	3	163	249	511	16
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.6</i>	<i>2.3</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 29: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	15	41	93	<1
Indirect	0	0	0	0	0
Induced	<1	6	10	21	1
Total	<1	21	51	114	1
<i>Multiplier</i>	<i>1.7</i>	<i>1.4</i>	<i>1.2</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 30: Table 12: Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	420	568	1,315	20
Indirect	6	271	437	915	26
Induced	5	232	419	831	51
Total	18	923	1,424	3,061	97
<i>Multiplier</i>	<i>2.6</i>	<i>2.2</i>	<i>2.5</i>	<i>2.3</i>	<i>n.a.</i>

California

NASA

Table 31: Summary of Employment Component of NASA Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,812	353,646	385,748	882,487	13,425
Indirect	0	0	0	0	0
Induced	3,252	220,810	394,926	680,351	45,112
Total	5,064	574,456	780,674	1,562,838	58,537
<i>Multiplier</i>	2.8	1.6	2.0	1.8	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 32: Summary of Procurement Component of NASA Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20,162	2,156,892	2,865,798	4,556,020	147,081
Indirect	13,538	1,267,166	1,980,108	3,384,734	152,521
Induced	27,472	1,865,371	3,331,349	5,739,993	380,210
Total	61,172	5,289,429	8,177,255	13,680,747	679,812
<i>Multiplier</i>	3.0	2.5	2.9	3.0	n.a.

Moon to Mars Campaign

Table 33: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	100	20,340	21,214	48,531	772
Indirect	0	0	0	0	0
Induced	194	13,863	24,802	41,597	2,758
Total	294	34,203	46,016	90,128	3,530
<i>Multiplier</i>	2.9	1.7	2.2	1.9	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 34: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,144	423,017	579,637	912,634	27,793
Indirect	2,507	281,669	423,407	643,517	22,847
Induced	5,695	407,266	727,781	1,220,772	80,879
Total	11,346	1,111,952	1,730,825	2,776,923	131,519
<i>Multiplier</i>	<i>3.6</i>	<i>2.6</i>	<i>3.0</i>	<i>3.0</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 35: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	465	84,756	99,119	226,757	3,217
Indirect	0	0	0	0	0
Induced	775	49,906	89,186	157,640	10,453
Total	1,240	134,662	188,305	384,397	13,670
<i>Multiplier</i>	<i>2.7</i>	<i>1.6</i>	<i>1.9</i>	<i>1.7</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 36: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, California

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,045	304,687	416,386	641,406	21,731
Indirect	1,910	158,642	252,415	459,623	17,490
Induced	3,777	243,099	433,879	767,013	50,813
Total	8,732	706,428	1,102,680	1,868,042	90,034
<i>Multiplier</i>	<i>2.9</i>	<i>2.3</i>	<i>2.6</i>	<i>2.9</i>	<i>n.a.</i>

Colorado

NASA

Table 37: Summary of Employment Component of NASA Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	50	8,899	10,596	24,241	235
Indirect	0	0	0	0	0
Induced	89	4,960	8,635	15,597	865
Total	139	13,859	19,231	39,838	1,100
<i>Multiplier</i>	2.8	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 38: Summary of Procurement Component of NASA Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8,553	748,539	935,500	1,687,542	28,274
Indirect	6,556	504,021	741,946	1,359,415	36,051
Induced	11,007	616,225	1,072,126	1,936,766	107,382
Total	26,116	1,868,785	2,749,572	4,983,723	171,707
<i>Multiplier</i>	3.1	2.5	2.9	3.0	<i>n.a.</i>

Moon to Mars Campaign

Table 39: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	1,077	1,362	3,116	28
Indirect	0	0	0	0	0
Induced	11	633	1,110	1,954	108
Total	17	1,710	2,472	5,070	136
<i>Multiplier</i>	2.8	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 40: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4,261	435,615	543,710	998,649	20,235
Indirect	3,678	325,246	471,646	803,958	19,969
Induced	6,683	387,182	678,178	1,194,203	66,213
Total	14,622	1,148,043	1,693,534	2,996,810	106,417
<i>Multiplier</i>	3.4	2.6	3.1	3.0	n.a.

Investments in Climate Change Research and Technology

Table 41: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	1,335	1,657	3,790	35
Indirect	0	0	0	0	0
Induced	13	725	1,247	2,301	128
Total	21	2,060	2,904	6,091	163
<i>Multiplier</i>	2.6	1.5	1.8	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 42: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,627	93,879	117,964	190,798	2,607
Indirect	647	45,522	70,460	136,429	3,617
Induced	1,257	68,032	116,842	215,717	11,960
Total	3,531	207,433	305,266	542,944	18,184
<i>Multiplier</i>	2.2	2.2	2.6	2.8	n.a.

Connecticut

NASA

Table 43: Summary of Employment Component of NASA Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	880	1,831	4,189	27
Indirect	0	0	0	0	0
Induced	7	476	816	1,277	88
Total	16	1,356	2,647	5,466	115
<i>Multiplier</i>	1.8	1.5	1.4	1.3	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 44: Summary of Procurement Component of NASA Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	165	17,554	22,733	38,075	1,184
Indirect	116	10,873	16,389	28,909	1,109
Induced	188	13,124	22,433	35,106	2,412
Total	469	41,551	61,555	102,090	4,705
<i>Multiplier</i>	2.8	2.4	2.7	2.7	<i>n.a.</i>

Moon to Mars Campaign

Table 45: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	1	<1
Indirect	0	0	0	0	0
Induced	<1	<1	<1	<1	<1
Total	<1	<1	<1	1	<1
<i>Multiplier</i>	2.4	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 46: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	28	3,214	3,967	7,059	201
Indirect	21	2,196	3,218	5,062	276
Induced	37	2,723	4,649	7,080	486
Total	86	8,133	11,834	19,201	963
<i>Multiplier</i>	<i>3.1</i>	<i>2.5</i>	<i>3.0</i>	<i>2.7</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 47: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	111	221	506	3
Indirect	0	0	0	0	0
Induced	1	58	99	158	11
Total	2	169	320	664	14
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 48: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	83	8,689	10,913	18,322	578
Indirect	60	4,785	7,374	12,954	491
Induced	93	6,235	10,617	17,036	1,171
Total	236	19,709	28,904	48,312	2,240
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.6</i>	<i>2.6</i>	<i>n.a.</i>

Delaware

NASA

Table 49: Summary of Employment Component of NASA Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	1,352	1,733	3,966	41
Indirect	0	0	0	0	0
Induced	11	601	1,102	1,785	90
Total	19	1,953	2,835	5,751	131
<i>Multiplier</i>	2.4	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 50: Summary of Procurement Component of NASA Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	32	3,653	4,425	8,024	197
Indirect	23	1,775	2,863	5,037	237
Induced	40	2,209	4,052	6,563	330
Total	95	7,637	11,340	19,624	764
<i>Multiplier</i>	3.0	2.1	2.6	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 51: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	17	39	89	1
Indirect	0	0	0	0	0
Induced	<1	8	15	24	1
Total	<1	25	54	113	2
<i>Multiplier</i>	1.8	1.5	1.4	1.3	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 52: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	295	363	673	18
Indirect	2	165	250	386	19
Induced	4	197	356	567	29
Total	8	657	969	1,626	66
<i>Multiplier</i>	<i>4.0</i>	<i>2.2</i>	<i>2.7</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 53: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	6	13	31	<1
Indirect	0	0	0	0	0
Induced	<1	3	5	8	<1
Total	<1	9	18	39	<1
<i>Multiplier</i>	<i>1.8</i>	<i>1.5</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 54: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	655	795	1,457	37
Indirect	4	313	514	1,000	48
Induced	7	380	697	1,157	58
Total	17	1,348	2,006	3,614	143
<i>Multiplier</i>	<i>2.8</i>	<i>2.1</i>	<i>2.5</i>	<i>2.5</i>	<i>n.a.</i>

Florida

NASA

Table 55: Summary of Employment Component of NASA Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,172	363,566	462,488	1,058,046	1,587
Indirect	0	0	0	0	0
Induced	4,251	213,817	383,227	699,179	36,994
Total	6,423	577,383	845,715	1,757,225	38,581
<i>Multiplier</i>	3.0	1.6	1.8	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 56: Summary of Procurement Component of NASA Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10,532	662,510	940,420	1,934,870	25,598
Indirect	9,320	583,229	914,078	1,712,376	77,243
Induced	12,294	618,322	1,107,329	2,020,614	106,783
Total	32,146	1,864,061	2,961,827	5,667,860	209,624
<i>Multiplier</i>	3.1	2.8	3.1	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 57: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	600	99,887	127,834	292,449	436
Indirect	0	0	0	0	0
Induced	1,196	62,908	113,423	201,856	10,680
Total	1,796	162,795	241,257	494,305	11,116
<i>Multiplier</i>	3.0	1.6	1.9	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 58: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,350	183,517	254,114	509,431	6,740
Indirect	2,369	171,817	261,927	466,798	13,529
Induced	3,501	184,219	331,941	590,824	31,232
Total	8,220	539,553	847,982	1,567,053	51,501
<i>Multiplier</i>	<i>3.5</i>	<i>2.9</i>	<i>3.3</i>	<i>3.1</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 59: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,185	2,799	6,404	10
Indirect	0	0	0	0	0
Induced	26	1,241	2,215	4,143	219
Total	39	3,426	5,014	10,547	229
<i>Multiplier</i>	<i>3.0</i>	<i>1.6</i>	<i>1.8</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 60: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	845	56,303	77,036	141,395	1,875
Indirect	682	37,689	59,770	119,719	3,292
Induced	999	47,955	85,517	159,983	8,458
Total	2,526	141,947	222,323	421,097	13,625
<i>Multiplier</i>	<i>3.0</i>	<i>2.5</i>	<i>2.9</i>	<i>3.0</i>	<i>n.a.</i>

Georgia

NASA

Table 61: Summary of Employment Component of NASA Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	19	2,739	4,009	9,171	74
Indirect	0	0	0	0	0
Induced	29	1,510	2,759	4,933	253
Total	48	4,249	6,768	14,104	327
<i>Multiplier</i>	2.5	1.6	1.7	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 62: Summary of Procurement Component of NASA Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	152	10,663	14,785	26,557	564
Indirect	103	7,085	11,347	21,577	620
Induced	159	8,294	15,152	27,091	1,387
Total	414	26,042	41,284	75,225	2,571
<i>Multiplier</i>	2.7	2.4	2.8	2.8	<i>n.a.</i>

Moon to Mars Campaign

Table 63: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	360	447	1,022	10
Indirect	0	0	0	0	0
Induced	4	212	387	675	35
Total	6	572	834	1,697	45
<i>Multiplier</i>	3.0	1.6	1.9	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 64: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	966	1,210	2,257	44
Indirect	9	694	1,062	1,807	49
Induced	15	824	1,508	2,629	135
Total	36	2,484	3,780	6,693	228
<i>Multiplier</i>	<i>3.0</i>	<i>2.6</i>	<i>3.1</i>	<i>3.0</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 65: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	255	400	915	7
Indirect	0	0	0	0	0
Induced	3	136	247	454	23
Total	5	391	647	1,369	30
<i>Multiplier</i>	<i>2.5</i>	<i>1.5</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 66: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	56	3,562	4,977	8,331	202
Indirect	28	1,815	2,986	5,687	160
Induced	51	2,551	4,630	8,510	436
Total	135	7,928	12,593	22,528	798
<i>Multiplier</i>	<i>2.4</i>	<i>2.2</i>	<i>2.5</i>	<i>2.7</i>	<i>n.a.</i>

Hawaii

NASA

Table 67: Summary of Employment Component of NASA Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	370	584	1,337	11
Indirect	0	0	0	0	0
Induced	3	165	305	526	39
Total	6	535	889	1,863	50
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 68: Summary of Procurement Component of NASA Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	137	11,118	12,130	26,309	503
Indirect	85	5,396	8,223	15,272	551
Induced	126	6,707	12,362	21,356	1,567
Total	348	23,221	32,715	62,937	2,621
<i>Multiplier</i>	<i>2.5</i>	<i>2.1</i>	<i>2.7</i>	<i>2.4</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 69: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 70: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	137	143	260	15
Indirect	1	37	53	88	3
Induced	1	77	141	238	17
Total	4	251	337	586	35
<i>Multiplier</i>	<i>2.0</i>	<i>1.8</i>	<i>2.4</i>	<i>2.3</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 71: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	1	<1	1	<1
Indirect	0	0	0	0	0
Induced	<1	<1	1	1	<1
Total	<1	1	1	2	<1
<i>Multiplier</i>	<i>5.0</i>	<i>1.4</i>	<i>2.7</i>	<i>2.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 72: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	31	2,386	2,616	5,706	107
Indirect	20	1,150	1,761	3,433	133
Induced	27	1,380	2,533	4,480	329
Total	78	4,916	6,910	13,619	569
<i>Multiplier</i>	<i>2.5</i>	<i>2.1</i>	<i>2.6</i>	<i>2.4</i>	<i>n.a.</i>

Idaho

NASA

Table 73: Summary of Employment Component of NASA Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	265	448	1,025	6
Indirect	0	0	0	0	0
Induced	2	109	192	379	20
Total	4	374	640	1,404	26
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 74: Summary of Procurement Component of NASA Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	45	2,385	2,542	6,094	-909
Indirect	30	1,423	2,346	4,996	129
Induced	32	1,418	2,498	4,917	258
Total	107	5,226	7,386	16,007	-522
<i>Multiplier</i>	<i>2.4</i>	<i>2.2</i>	<i>2.9</i>	<i>2.6</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 75: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	1	<1
Indirect	0	0	0	0	0
Induced	<1	<1	<1	<1	<1
Total	<1	<1	<1	1	<1
<i>Multiplier</i>	<i>2.8</i>	<i>1.4</i>	<i>1.7</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 76: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	163	228	351	7
Indirect	1	51	86	172	4
Induced	2	89	158	302	16
Total	5	303	472	825	27
<i>Multiplier</i>	<i>2.5</i>	<i>1.9</i>	<i>2.1</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 77: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	11	51	116	<1
Indirect	0	0	0	0	0
Induced	<1	4	8	16	1
Total	<1	15	59	132	1
<i>Multiplier</i>	<i>1.4</i>	<i>1.4</i>	<i>1.2</i>	<i>1.1</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 78: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11	665	827	1,657	33
Indirect	7	342	549	1,226	28
Induced	9	375	656	1,324	70
Total	27	1,382	2,032	4,207	131
<i>Multiplier</i>	<i>2.5</i>	<i>2.1</i>	<i>2.5</i>	<i>2.5</i>	<i>n.a.</i>

Illinois

NASA

Table 79: Summary of Employment Component of NASA Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	2,265	4,183	9,569	59
Indirect	0	0	0	0	0
Induced	24	1,477	2,571	4,452	281
Total	44	3,742	6,754	14,021	340
<i>Multiplier</i>	2.2	1.7	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 80: Summary of Procurement Component of NASA Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	177	16,657	21,489	38,786	-1,601
Indirect	141	11,830	18,660	32,337	1,144
Induced	259	16,078	27,960	48,423	3,054
Total	577	44,565	68,109	119,546	2,597
<i>Multiplier</i>	3.3	2.7	3.2	3.1	<i>n.a.</i>

Moon to Mars Campaign

Table 81: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	452	694	1,587	12
Indirect	0	0	0	0	0
Induced	5	320	556	941	59
Total	8	772	1,250	2,528	71
<i>Multiplier</i>	2.7	1.7	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 82: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	827	1,151	2,141	52
Indirect	8	767	1,154	1,971	69
Induced	14	898	1,560	2,640	167
Total	30	2,492	3,865	6,752	288
<i>Multiplier</i>	<i>3.8</i>	<i>3.0</i>	<i>3.4</i>	<i>3.2</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 83: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	107	146	334	3
Indirect	0	0	0	0	0
Induced	1	67	116	206	13
Total	2	174	262	540	16
<i>Multiplier</i>	<i>2.0</i>	<i>1.6</i>	<i>1.8</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 84: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	56	5,091	6,877	11,779	-29
Indirect	41	3,204	5,208	9,385	350
Induced	78	4,601	7,998	14,201	896
Total	175	12,896	20,083	35,365	1,217
<i>Multiplier</i>	<i>3.1</i>	<i>2.5</i>	<i>2.9</i>	<i>3.0</i>	<i>n.a.</i>

Indiana

NASA

Table 85: Summary of Employment Component of NASA Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	1,959	3,534	8,085	92
Indirect	0	0	0	0	0
Induced	20	1,017	1,740	3,255	172
Total	37	2,976	5,274	11,340	264
<i>Multiplier</i>	2.2	1.5	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 86: Summary of Procurement Component of NASA Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	399	28,861	45,234	82,169	-2,274
Indirect	280	18,616	31,256	54,029	1,696
Induced	415	21,514	36,785	68,845	3,624
Total	1,094	68,991	113,275	205,043	3,046
<i>Multiplier</i>	2.7	2.4	2.5	2.5	<i>n.a.</i>

Moon to Mars Campaign

Table 87: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	237	387	886	11
Indirect	0	0	0	0	0
Induced	2	132	227	416	22
Total	4	369	614	1,302	33
<i>Multiplier</i>	2.0	1.6	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 88: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	288	597	993	21
Indirect	3	215	342	571	17
Induced	4	239	411	753	40
Total	11	742	1,350	2,317	78
<i>Multiplier</i>	<i>2.8</i>	<i>2.6</i>	<i>2.3</i>	<i>2.3</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 89: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	145	330	756	7
Indirect	0	0	0	0	0
Induced	1	72	124	237	13
Total	3	217	454	993	20
<i>Multiplier</i>	<i>1.5</i>	<i>1.5</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 90: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	36	2,184	4,179	6,747	157
Indirect	19	1,168	1,964	3,849	114
Induced	31	1,536	2,621	5,033	265
Total	86	4,888	8,764	15,629	536
<i>Multiplier</i>	<i>2.4</i>	<i>2.2</i>	<i>2.1</i>	<i>2.3</i>	<i>n.a.</i>

Iowa

NASA

Table 91: Summary of Employment Component of NASA Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	338	588	1,346	10
Indirect	0	0	0	0	0
Induced	3	136	249	474	27
Total	6	474	837	1,820	37
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 92: Summary of Procurement Component of NASA Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	134	8,787	12,305	25,647	542
Indirect	85	5,050	7,933	15,846	486
Induced	108	5,015	9,146	17,399	996
Total	327	18,852	29,384	58,892	2,024
<i>Multiplier</i>	<i>2.4</i>	<i>2.1</i>	<i>2.4</i>	<i>2.3</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 93: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 94: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	76	98	209	5
Indirect	1	50	79	151	7
Induced	1	44	81	152	9
Total	3	170	258	512	21
<i>Multiplier</i>	<i>3.0</i>	<i>2.2</i>	<i>2.6</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 95: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 96: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	18	868	1,211	2,296	58
Indirect	7	368	623	1,290	41
Induced	10	448	811	1,576	90
Total	35	1,684	2,645	5,162	189
<i>Multiplier</i>	<i>1.9</i>	<i>1.9</i>	<i>2.2</i>	<i>2.2</i>	<i>n.a.</i>

Kansas

NASA

Table 97: Summary of Employment Component of NASA Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	810	1,125	2,574	22
Indirect	0	0	0	0	0
Induced	7	347	607	1,162	70
Total	12	1,157	1,732	3,736	92
<i>Multiplier</i>	2.4	1.4	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 98: Summary of Procurement Component of NASA Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	39	2,379	1,881	6,425	-1,274
Indirect	34	2,125	4,033	6,649	216
Induced	32	1,622	2,835	5,433	324
Total	105	6,126	8,749	18,507	-734
<i>Multiplier</i>	2.7	2.6	4.7	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 99: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	7	31	71	<1
Indirect	0	0	0	0	0
Induced	<1	3	5	10	1
Total	<1	10	36	81	1
<i>Multiplier</i>	1.4	1.4	1.2	1.1	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 100: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	37	46	77	3
Indirect	<1	20	31	60	3
Induced	<1	21	36	68	4
Total	1	78	113	205	10
<i>Multiplier</i>	<i>2.0</i>	<i>2.1</i>	<i>2.5</i>	<i>2.7</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 101: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	184	240	550	5
Indirect	0	0	0	0	0
Induced	2	77	133	262	16
Total	3	261	373	812	21
<i>Multiplier</i>	<i>3.0</i>	<i>1.4</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 102: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	21	1,333	398	3,591	-1,339
Indirect	25	1,540	3,011	4,925	161
Induced	20	982	1,692	3,330	199
Total	66	3,855	5,101	11,846	-979
<i>Multiplier</i>	<i>3.1</i>	<i>2.9</i>	<i>12.8</i>	<i>3.3</i>	<i>n.a.</i>

Kentucky

NASA

Table 103: Summary of Employment Component of NASA Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	1,415	2,456	5,619	40
Indirect	0	0	0	0	0
Induced	13	634	1,086	2,068	114
Total	25	2,049	3,542	7,687	154
<i>Multiplier</i>	2.1	1.4	1.4	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 104: Summary of Procurement Component of NASA Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	57	3,649	4,782	10,400	203
Indirect	38	2,259	3,509	7,071	194
Induced	48	2,321	3,977	7,575	419
Total	143	8,229	12,268	25,046	816
<i>Multiplier</i>	2.5	2.3	2.6	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 105: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	263	468	1,071	7
Indirect	0	0	0	0	0
Induced	3	125	215	400	22
Total	5	388	683	1,471	29
<i>Multiplier</i>	2.5	1.5	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 106: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	566	729	1,629	31
Indirect	6	383	582	1,084	28
Induced	7	387	667	1,240	69
Total	21	1,336	1,978	3,953	128
<i>Multiplier</i>	<i>2.6</i>	<i>2.4</i>	<i>2.7</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 107: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	258	361	826	7
Indirect	0	0	0	0	0
Induced	2	112	192	377	21
Total	4	370	553	1,203	28
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.5</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 108: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	538	693	1,422	32
Indirect	5	278	457	1,010	31
Induced	7	311	533	1,043	58
Total	24	1,127	1,683	3,475	121
<i>Multiplier</i>	<i>2.0</i>	<i>2.1</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Louisiana

NASA

Table 109: Summary of Employment Component of NASA Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	189	32,155	40,352	92,314	764
Indirect	0	0	0	0	0
Induced	301	13,563	24,745	46,097	2,951
Total	490	45,718	65,097	138,411	3,715
<i>Multiplier</i>	2.6	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 110: Summary of Procurement Component of NASA Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	913	40,402	58,671	147,707	2,235
Indirect	607	37,296	60,968	116,946	4,444
Induced	591	26,655	48,603	90,538	5,792
Total	2,111	104,353	168,242	355,191	12,471
<i>Multiplier</i>	2.3	2.6	2.9	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 111: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	46	7,650	9,891	22,629	182
Indirect	0	0	0	0	0
Induced	73	3,434	6,261	11,386	729
Total	119	11,084	16,152	34,015	911
<i>Multiplier</i>	2.6	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 112: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	493	19,538	30,026	75,496	1,300
Indirect	309	23,389	39,311	67,181	2,535
Induced	313	14,616	26,630	48,428	3,098
Total	1,115	57,543	95,967	191,105	6,933
<i>Multiplier</i>	<i>2.3</i>	<i>2.9</i>	<i>3.2</i>	<i>2.5</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 113: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	91	150	343	2
Indirect	0	0	0	0	0
Induced	1	37	69	134	9
Total	2	128	219	477	11
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 114: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	575	763	1,669	30
Indirect	6	351	573	1,193	30
Induced	8	346	638	1,239	79
Total	23	1,272	1,974	4,101	139
<i>Multiplier</i>	<i>2.6</i>	<i>2.2</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Maine

NASA

Table 115: Summary of Employment Component of NASA Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	84	233	532	2
Indirect	0	0	0	0	0
Induced	1	45	76	138	9
Total	2	129	309	670	11
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 116: Summary of Procurement Component of NASA Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	38	2,426	3,119	6,720	165
Indirect	31	1,819	2,753	5,817	201
Induced	39	1,902	3,256	5,893	374
Total	108	6,147	9,128	18,430	740
<i>Multiplier</i>	<i>2.8</i>	<i>2.5</i>	<i>2.9</i>	<i>2.7</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 117: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 118: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	92	121	306	7
Indirect	30	2,941	3,714	9,440	370
Induced	1	71	122	215	14
Total	32	3,104	3,957	9,961	391
<i>Multiplier</i>	<i>32.0</i>	<i>33.7</i>	<i>32.7</i>	<i>32.6</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 119: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	7	20	45	<1
Indirect	0	0	0	0	0
Induced	<1	4	6	12	1
Total	<1	11	26	57	1
<i>Multiplier</i>	<i>1.9</i>	<i>1.6</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 120: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	862	1,093	2,456	56
Indirect	11	573	908	1,877	64
Induced	15	671	1,149	2,134	135
Total	39	2,106	3,150	6,467	255
<i>Multiplier</i>	<i>3.0</i>	<i>2.4</i>	<i>2.9</i>	<i>2.6</i>	<i>n.a.</i>

Maryland

NASA

Table 121: Summary of Employment Component of NASA Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,128	611,308	666,118	1,523,897	24,093
Indirect	0	0	0	0	0
Induced	5,102	298,734	534,770	877,896	60,064
Total	8,230	910,042	1,200,888	2,401,793	84,157
<i>Multiplier</i>	2.6	1.5	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 122: Summary of Procurement Component of NASA Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10,500	1,039,574	1,336,600	2,274,730	69,093
Indirect	6,412	515,618	768,527	1,289,412	54,879
Induced	11,629	681,048	1,217,679	1,999,460	136,642
Total	28,541	2,236,240	3,322,806	5,563,602	260,614
<i>Multiplier</i>	2.7	2.2	2.5	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 123: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	3,513	3,716	8,500	138
Indirect	0	0	0	0	0
Induced	31	1,911	3,323	5,366	367
Total	48	5,424	7,039	13,866	505
<i>Multiplier</i>	2.8	1.5	1.9	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 124: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	126	12,530	17,321	29,610	826
Indirect	78	7,564	10,831	17,107	723
Induced	148	9,286	16,130	26,053	1,780
Total	352	29,380	44,282	72,770	3,329
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 125: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	413	80,863	88,039	201,409	3,187
Indirect	0	0	0	0	0
Induced	674	37,481	67,215	112,760	7,715
Total	1,087	118,344	155,254	314,169	10,902
<i>Multiplier</i>	<i>2.6</i>	<i>1.5</i>	<i>1.8</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 126: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,015	191,787	243,372	417,902	14,392
Indirect	1,206	82,162	129,831	229,928	9,765
Induced	2,117	117,823	211,035	354,117	24,200
Total	5,338	391,772	584,238	1,001,947	48,357
<i>Multiplier</i>	<i>2.6</i>	<i>2.0</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Massachusetts

NASA

Table 127: Summary of Employment Component of NASA Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	15	2,536	3,218	7,362	77
Indirect	0	0	0	0	0
Induced	22	1,574	2,552	4,127	214
Total	37	4,110	5,770	11,489	291
<i>Multiplier</i>	2.5	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 128: Summary of Procurement Component of NASA Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,131	123,101	167,406	256,720	6,667
Indirect	630	60,521	79,328	153,590	5,084
Induced	1,462	103,037	166,882	269,880	13,977
Total	3,223	286,659	413,616	680,190	25,728
<i>Multiplier</i>	2.8	2.3	2.5	2.6	<i>n.a.</i>

Moon to Mars Campaign

Table 129: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	184	273	624	6
Indirect	0	0	0	0	0
Induced	2	126	200	319	17
Total	3	310	473	943	23
<i>Multiplier</i>	3.0	1.7	1.7	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 130: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	29	3,152	4,529	6,624	215
Indirect	14	1,859	2,867	4,148	139
Induced	38	2,824	4,484	7,134	370
Total	81	7,835	11,880	17,906	724
<i>Multiplier</i>	<i>2.8</i>	<i>2.5</i>	<i>2.6</i>	<i>2.7</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 131: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	137	270	617	4
Indirect	0	0	0	0	0
Induced	1	80	130	215	11
Total	2	217	400	832	15
<i>Multiplier</i>	<i>2.0</i>	<i>1.6</i>	<i>1.5</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 132: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	399	35,819	46,127	68,145	2,064
Indirect	155	13,789	20,368	37,445	1,245
Induced	402	27,058	43,724	72,380	3,749
Total	956	76,666	110,219	177,970	7,058
<i>Multiplier</i>	<i>2.4</i>	<i>2.1</i>	<i>2.4</i>	<i>2.6</i>	<i>n.a.</i>

Michigan

NASA

Table 133: Summary of Employment Component of NASA Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	1,526	2,853	6,528	54
Indirect	0	0	0	0	0
Induced	17	889	1,483	2,821	148
Total	30	2,415	4,336	9,349	202
<i>Multiplier</i>	2.3	1.6	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 134: Summary of Procurement Component of NASA Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	258	19,237	24,482	45,052	916
Indirect	184	12,861	18,683	36,044	987
Induced	313	16,435	27,406	52,129	2,738
Total	755	48,533	70,571	133,225	4,641
<i>Multiplier</i>	2.9	2.5	2.9	3.0	<i>n.a.</i>

Moon to Mars Campaign

Table 135: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	223	391	894	8
Indirect	0	0	0	0	0
Induced	3	139	232	431	23
Total	5	362	623	1,325	31
<i>Multiplier</i>	2.5	1.6	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 136: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	545	852	1,375	34
Indirect	3	379	591	1,003	28
Induced	8	460	769	1,428	75
Total	18	1,384	2,212	3,806	137
<i>Multiplier</i>	<i>2.6</i>	<i>2.5</i>	<i>2.6</i>	<i>2.8</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 137: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	185	167	383	7
Indirect	0	0	0	0	0
Induced	2	104	173	338	18
Total	3	289	340	721	25
<i>Multiplier</i>	<i>3.0</i>	<i>1.6</i>	<i>2.0</i>	<i>1.9</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 138: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	106	8,520	10,838	20,700	403
Indirect	94	5,850	8,792	17,578	472
Induced	144	7,271	12,105	23,677	1,243
Total	344	21,641	31,735	61,955	2,118
<i>Multiplier</i>	<i>3.2</i>	<i>2.5</i>	<i>2.9</i>	<i>3.0</i>	<i>n.a.</i>

Minnesota

NASA

Table 139: Summary of Employment Component of NASA Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	1,202	2,450	5,606	41
Indirect	0	0	0	0	0
Induced	13	777	1,297	2,375	147
Total	25	1,979	3,747	7,981	188
<i>Multiplier</i>	<i>2.1</i>	<i>1.6</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 140: Summary of Procurement Component of NASA Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	98	5,590	5,507	13,010	-1,801
Indirect	57	4,411	7,901	12,970	505
Induced	93	5,489	9,150	16,759	1,039
Total	248	15,490	22,558	42,739	-257
<i>Multiplier</i>	<i>2.5</i>	<i>2.8</i>	<i>4.1</i>	<i>3.3</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 141: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	93	166	380	3
Indirect	0	0	0	0	0
Induced	1	64	107	192	12
Total	2	157	273	572	15
<i>Multiplier</i>	<i>2.0</i>	<i>1.7</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 142: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	531	773	1,442	42
Indirect	5	484	723	1,229	47
Induced	9	551	917	1,643	102
Total	20	1,566	2,413	4,314	191
<i>Multiplier</i>	3.3	2.9	3.1	3.0	n.a.

Investments in Climate Change Research and Technology

Table 143: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	78	260	596	3
Indirect	0	0	0	0	0
Induced	1	48	80	151	9
Total	2	126	340	747	12
<i>Multiplier</i>	2.0	1.6	1.3	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 144: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	23	1,411	1,937	3,436	98
Indirect	12	864	1,374	2,613	95
Induced	23	1,273	2,119	3,976	246
Total	58	3,548	5,430	10,025	439
<i>Multiplier</i>	2.5	2.5	2.8	2.9	n.a.

Mississippi

NASA

Table 145: Summary of Employment Component of NASA Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	261	42,541	55,597	127,190	920
Indirect	0	0	0	0	0
Induced	364	14,420	27,088	53,926	3,578
Total	625	56,961	82,685	181,116	4,498
<i>Multiplier</i>	2.4	1.3	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 146: Summary of Procurement Component of NASA Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,156	99,481	124,838	296,910	4,099
Indirect	1,240	63,129	101,187	214,353	9,006
Induced	1,166	46,105	86,590	172,380	11,425
Total	4,562	208,715	312,615	683,643	24,530
<i>Multiplier</i>	2.1	2.1	2.5	2.3	n.a.

Moon to Mars Campaign

Table 147: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	37	6,155	7,914	18,106	133
Indirect	0	0	0	0	0
Induced	54	2,190	4,144	8,037	533
Total	91	8,345	12,058	26,143	666
<i>Multiplier</i>	2.5	1.4	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 148: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	512	22,756	30,565	78,314	1,103
Indirect	315	19,704	30,420	61,109	2,491
Induced	283	11,568	21,882	42,440	2,813
Total	1,110	54,028	82,867	181,863	6,407
<i>Multiplier</i>	2.2	2.4	2.7	2.3	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 149: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	310	367	839	7
Indirect	0	0	0	0	0
Induced	3	104	194	403	27
Total	5	414	561	1,242	34
<i>Multiplier</i>	2.5	1.3	1.5	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 150: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	150	7,034	7,713	18,823	51
Indirect	79	3,945	6,557	14,066	707
Induced	81	3,105	5,792	12,043	798
Total	310	14,084	20,062	44,932	1,556
<i>Multiplier</i>	2.1	2.0	2.6	2.4	<i>n.a.</i>

Missouri

NASA

Table 151: Summary of Employment Component of NASA Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,156	1,847	4,225	30
Indirect	0	0	0	0	0
Induced	12	633	1,091	2,011	101
Total	21	1,789	2,938	6,236	131
<i>Multiplier</i>	2.3	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 152: Summary of Procurement Component of NASA Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	138	11,689	13,441	29,785	-2,617
Indirect	134	8,780	14,561	26,051	730
Induced	188	9,689	16,686	30,760	1,541
Total	460	30,158	44,688	86,596	-346
<i>Multiplier</i>	3.3	2.6	3.3	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 153: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	215	374	855	5
Indirect	0	0	0	0	0
Induced	2	126	218	392	20
Total	4	341	592	1,247	25
<i>Multiplier</i>	2.0	1.6	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 154: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	14	1,150	1,438	2,836	55
Indirect	11	856	1,275	2,271	59
Induced	18	978	1,685	3,034	152
Total	43	2,984	4,398	8,141	266
<i>Multiplier</i>	<i>3.1</i>	<i>2.6</i>	<i>3.1</i>	<i>2.9</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 155: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	40	121	277	1
Indirect	0	0	0	0	0
Induced	<1	21	36	68	3
Total	1	61	157	345	4
<i>Multiplier</i>	<i>1.0</i>	<i>1.5</i>	<i>1.3</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 156: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	26	2,504	3,839	7,911	139
Indirect	36	2,070	3,331	6,643	199
Induced	43	2,092	3,595	6,822	342
Total	105	6,666	10,765	21,376	680
<i>Multiplier</i>	<i>4.0</i>	<i>2.7</i>	<i>2.8</i>	<i>2.7</i>	<i>n.a.</i>

Montana

NASA

Table 157: Summary of Employment Component of NASA Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	185	354	810	5
Indirect	0	0	0	0	0
Induced	2	81	134	263	12
Total	4	266	488	1,073	17
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.4</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 158: Summary of Procurement Component of NASA Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	62	3,386	4,197	9,712	207
Indirect	40	1,924	3,014	6,695	162
Induced	46	2,097	3,463	6,809	300
Total	148	7,407	10,674	23,216	669
<i>Multiplier</i>	<i>2.4</i>	<i>2.2</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 159: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 160: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10	388	577	1,108	30
Indirect	4	205	324	667	17
Induced	5	241	396	761	34
Total	19	834	1,297	2,536	81
<i>Multiplier</i>	<i>1.9</i>	<i>2.1</i>	<i>2.2</i>	<i>2.3</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 161: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 162: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	22	1,301	1,565	3,743	76
Indirect	17	727	1,190	2,698	65
Induced	18	790	1,301	2,623	116
Total	57	2,818	4,056	9,064	257
<i>Multiplier</i>	<i>2.6</i>	<i>2.2</i>	<i>2.6</i>	<i>2.4</i>	<i>n.a.</i>

Nebraska

NASA

Table 163: Summary of Employment Component of NASA Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	330	499	1,141	8
Indirect	0	0	0	0	0
Induced	3	154	276	506	26
Total	5	484	775	1,647	34
<i>Multiplier</i>	2.5	1.5	1.6	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 164: Summary of Procurement Component of NASA Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	16	1,017	1,464	3,052	79
Indirect	7	611	1,115	1,859	56
Induced	12	622	1,111	2,040	104
Total	35	2,250	3,690	6,951	239
<i>Multiplier</i>	2.2	2.2	2.5	2.3	<i>n.a.</i>

Moon to Mars Campaign

Table 165: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	16	37	84	<1
Indirect	0	0	0	0	0
Induced	<1	8	15	26	1
Total	<1	24	52	110	1
<i>Multiplier</i>	1.9	1.5	1.4	1.3	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 166: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	13	19	50	1
Indirect	<1	12	23	34	1
Induced	<1	10	16	30	1
Total	<1	35	58	114	3
<i>Multiplier</i>	<i>2.9</i>	<i>2.7</i>	<i>3.1</i>	<i>2.3</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 167: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 168: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	203	285	677	15
Indirect	1	127	234	412	12
Induced	3	124	221	413	21
Total	7	454	740	1,502	48
<i>Multiplier</i>	<i>2.3</i>	<i>2.2</i>	<i>2.6</i>	<i>2.2</i>	<i>n.a.</i>

Nevada

NASA

Table 169: Summary of Employment Component of NASA Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,041	1,499	3,429	9
Indirect	0	0	0	0	0
Induced	8	426	837	1,430	93
Total	15	1,467	2,336	4,859	102
<i>Multiplier</i>	2.1	1.4	1.6	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 170: Summary of Procurement Component of NASA Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	234	11,223	12,246	42,168	-5,180
Indirect	268	13,196	21,178	43,331	1,688
Induced	164	8,340	16,357	27,968	1,823
Total	666	32,759	49,781	113,467	-1,669
<i>Multiplier</i>	2.8	2.9	4.1	2.7	n.a.

Moon to Mars Campaign

Table 171: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 172: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	681	902	1,844	23
Indirect	7	486	770	1,332	36
Induced	8	436	856	1,434	93
Total	24	1,603	2,528	4,610	152
<i>Multiplier</i>	<i>2.7</i>	<i>2.4</i>	<i>2.8</i>	<i>2.5</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 173: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	235	371	849	2
Indirect	0	0	0	0	0
Induced	2	92	181	316	21
Total	4	327	552	1,165	23
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 174: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	1,235	1,815	2,999	51
Indirect	9	513	879	1,724	47
Induced	13	636	1,243	2,171	142
Total	42	2,384	3,937	6,894	240
<i>Multiplier</i>	<i>2.1</i>	<i>1.9</i>	<i>2.2</i>	<i>2.3</i>	<i>n.a.</i>

New Hampshire

NASA

Table 175: Summary of Employment Component of NASA Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	521	712	1,629	3
Indirect	0	0	0	0	0
Induced	5	287	486	804	44
Total	8	808	1,198	2,433	47
<i>Multiplier</i>	2.7	1.6	1.7	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 176: Summary of Procurement Component of NASA Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	154	13,411	17,953	33,542	872
Indirect	113	8,277	12,481	22,353	831
Induced	179	10,618	17,951	29,714	1,604
Total	446	32,306	48,385	85,609	3,307
<i>Multiplier</i>	2.9	2.4	2.7	2.6	<i>n.a.</i>

Moon to Mars Campaign

Table 177: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	1	1	2	<1
Indirect	0	0	0	0	0
Induced	<1	0	1	1	<1
Total	<1	1	2	3	<1
<i>Multiplier</i>	2.5	1.0	2.0	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 178: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	764	911	1,775	49
Indirect	4	379	618	1,014	36
Induced	9	563	951	1,539	83
Total	21	1,706	2,480	4,328	168
<i>Multiplier</i>	2.6	2.2	2.7	2.4	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 179: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	38	50	115	<1
Indirect	0	0	0	0	0
Induced	<1	20	34	57	3
Total	<1	58	84	172	3
<i>Multiplier</i>	2.5	1.5	1.7	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 180: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	63	5,507	7,287	13,281	349
Indirect	48	3,066	4,726	8,866	334
Induced	74	4,152	7,006	11,879	641
Total	185	12,725	19,019	34,026	1,324
<i>Multiplier</i>	2.9	2.3	2.6	2.6	<i>n.a.</i>

New Jersey

NASA

Table 181: Summary of Employment Component of NASA Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	16	2,389	3,355	7,675	64
Indirect	0	0	0	0	0
Induced	21	1,410	2,333	3,876	273
Total	37	3,799	5,688	11,551	337
<i>Multiplier</i>	2.3	1.6	1.7	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 182: Summary of Procurement Component of NASA Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	160	16,795	24,969	36,943	1,359
Indirect	96	9,738	14,475	24,260	1,254
Induced	193	13,164	21,750	36,154	2,544
Total	449	39,697	61,194	97,357	5,157
<i>Multiplier</i>	2.8	2.4	2.5	2.6	n.a.

Moon to Mars Campaign

Table 183: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	165	360	824	4
Indirect	0	0	0	0	0
Induced	1	107	172	284	20
Total	3	272	532	1,108	24
<i>Multiplier</i>	1.5	1.6	1.5	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 184: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	21	3,060	7,373	8,210	368
Indirect	5	1,654	3,403	3,809	172
Induced	32	2,219	3,571	5,886	414
Total	58	6,933	14,347	17,905	954
<i>Multiplier</i>	2.8	2.3	1.9	2.2	n.a.

Investments in Climate Change Research and Technology

Table 185: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	537	684	1,566	14
Indirect	0	0	0	0	0
Induced	5	304	501	850	60
Total	8	841	1,185	2,416	74
<i>Multiplier</i>	2.7	1.6	1.7	1.5	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 186: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	28	2,542	3,375	5,449	193
Indirect	17	1,366	2,005	3,623	166
Induced	30	1,993	3,282	5,576	392
Total	75	5,901	8,662	14,648	751
<i>Multiplier</i>	2.7	2.3	2.6	2.7	n.a.

New Mexico

NASA

Table 187: Summary of Employment Component of NASA Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	77	13,103	16,422	37,570	256
Indirect	0	0	0	0	0
Induced	114	4,872	9,358	17,483	1,028
Total	191	17,975	25,780	55,053	1,284
<i>Multiplier</i>	2.5	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 188: Summary of Procurement Component of NASA Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	282	16,674	31,921	59,551	-2,171
Indirect	188	9,499	9,325	33,326	1,293
Induced	194	8,325	15,984	29,863	1,756
Total	664	34,498	57,230	122,740	878
<i>Multiplier</i>	2.4	2.1	1.8	2.1	<i>n.a.</i>

Moon to Mars Campaign

Table 189: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	822	1,081	2,473	16
Indirect	0	0	0	0	0
Induced	7	325	621	1,135	67
Total	12	1,147	1,702	3,608	83
<i>Multiplier</i>	2.4	1.4	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 190: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	1,562	1,884	3,709	80
Indirect	11	813	1,187	2,121	66
Induced	18	789	1,510	2,761	162
Total	49	3,164	4,581	8,591	308
<i>Multiplier</i>	2.5	2.0	2.4	2.3	n.a.

Investments in Climate Change Research and Technology

Table 191: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	11	15	34	<1
Indirect	0	0	0	0	0
Induced	<1	4	7	14	1
Total	<1	15	22	48	1
<i>Multiplier</i>	2.3	1.4	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 192: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	41	2,328	3,898	7,438	-176
Indirect	23	1,087	1,338	3,939	126
Induced	27	1,131	2,199	4,166	245
Total	91	4,546	7,435	15,543	195
<i>Multiplier</i>	2.2	2.0	1.9	2.1	n.a.

New York

NASA

Table 193: Summary of Employment Component of NASA Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	47	7,903	9,961	22,787	418
Indirect	0	0	0	0	0
Induced	59	4,353	7,578	11,656	838
Total	106	12,256	17,539	34,443	1,256
<i>Multiplier</i>	2.3	1.6	1.8	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 194: Summary of Procurement Component of NASA Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	773	77,066	104,516	183,138	6,063
Indirect	560	55,730	83,707	140,580	6,765
Induced	882	64,588	112,267	172,667	12,388
Total	2,215	197,384	300,490	496,385	25,216
<i>Multiplier</i>	2.9	2.6	2.9	2.7	<i>n.a.</i>

Moon to Mars Campaign

Table 195: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	82	203	465	4
Indirect	0	0	0	0	0
Induced	1	50	86	130	9
Total	2	132	289	595	13
<i>Multiplier</i>	2.0	1.6	1.4	1.3	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 196: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	66	5,920	11,841	20,116	40
Indirect	58	6,810	7,203	16,953	849
Induced	72	5,665	9,760	14,798	1,062
Total	196	18,395	28,804	51,867	1,951
<i>Multiplier</i>	<i>3.0</i>	<i>3.1</i>	<i>2.4</i>	<i>2.6</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 197: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	18	3,602	3,892	8,903	190
Indirect	0	0	0	0	0
Induced	27	1,874	3,264	5,137	369
Total	45	5,476	7,156	14,040	559
<i>Multiplier</i>	<i>2.5</i>	<i>1.5</i>	<i>1.8</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 198: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, New York

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	167	16,278	21,179	36,690	1,373
Indirect	117	10,309	16,558	27,348	1,291
Induced	182	12,704	22,087	34,758	2,494
Total	466	39,291	59,824	98,796	5,158
<i>Multiplier</i>	<i>2.8</i>	<i>2.4</i>	<i>2.8</i>	<i>2.7</i>	<i>n.a.</i>

North Carolina

NASA

Table 199: Summary of Employment Component of NASA Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	34	5,439	7,192	16,454	154
Indirect	0	0	0	0	0
Induced	53	2,739	5,013	9,280	472
Total	87	8,178	12,205	25,734	626
<i>Multiplier</i>	2.6	1.5	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 200: Summary of Procurement Component of NASA Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	536	28,453	39,350	58,014	2,030
Indirect	144	9,400	16,080	33,410	1,063
Induced	335	17,223	31,506	58,325	2,967
Total	1,015	55,076	86,936	149,749	6,060
<i>Multiplier</i>	1.9	1.9	2.2	2.6	<i>n.a.</i>

Moon to Mars Campaign

Table 201: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	844	881	2,016	24
Indirect	0	0	0	0	0
Induced	8	453	839	1,515	77
Total	12	1,297	1,720	3,531	101
<i>Multiplier</i>	3.0	1.5	2.0	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 202: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	506	791	1,305	36
Indirect	5	319	523	911	27
Induced	7	376	696	1,255	64
Total	19	1,201	2,010	3,471	127
<i>Multiplier</i>	2.7	2.4	2.5	2.7	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 203: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	722	1,047	2,396	20
Indirect	0	0	0	0	0
Induced	7	352	639	1,217	62
Total	12	1,074	1,686	3,613	82
<i>Multiplier</i>	2.4	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 204: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	155	8,455	11,717	18,007	586
Indirect	49	3,159	5,474	11,414	379
Induced	104	5,112	9,272	17,677	899
Total	308	16,726	26,463	47,098	1,864
<i>Multiplier</i>	2.0	2.0	2.3	2.6	<i>n.a.</i>

North Dakota

NASA

Table 205: Summary of Employment Component of NASA Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	168	215	491	2
Indirect	0	0	0	0	0
Induced	1	66	112	219	9
Total	2	234	327	710	11
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 206: Summary of Procurement Component of NASA Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	15	984	1,311	2,869	44
Indirect	8	476	724	1,468	31
Induced	10	526	890	1,734	73
Total	33	1,986	2,925	6,071	148
<i>Multiplier</i>	<i>2.2</i>	<i>2.0</i>	<i>2.2</i>	<i>2.1</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 207: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	<1	<1	<1	<1
Indirect	0	0	0	0	0
Induced	<1	<1	<1	<1	<1
Total	<1	<1	<1	<1	<1
<i>Multiplier</i>	<i>2.1</i>	<i>1.4</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 208: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 209: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 210: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	179	239	524	8
Indirect	1	83	133	279	6
Induced	2	95	160	318	13
Total	6	357	532	1,121	27
<i>Multiplier</i>	<i>2.0</i>	<i>2.0</i>	<i>2.2</i>	<i>2.1</i>	<i>n.a.</i>

Ohio

NASA

Table 211: Summary of Employment Component of NASA Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,530	261,273	325,882	745,529	6,901
Indirect	0	0	0	0	0
Induced	2,974	156,508	282,122	517,097	28,484
Total	4,504	417,781	608,004	1,262,626	35,385
<i>Multiplier</i>	2.9	1.6	1.9	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 212: Summary of Procurement Component of NASA Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,276	169,846	221,241	409,817	9,250
Indirect	1,457	106,793	172,438	324,963	12,013
Induced	2,670	140,459	252,964	463,717	25,513
Total	6,403	417,098	646,643	1,198,497	46,776
<i>Multiplier</i>	2.8	2.5	2.9	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 213: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	198	33,113	42,186	96,511	875
Indirect	0	0	0	0	0
Induced	388	21,203	38,132	68,526	3,775
Total	586	54,316	80,318	165,037	4,650
<i>Multiplier</i>	3.0	1.6	1.9	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 214: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	223	17,199	22,746	44,787	990
Indirect	172	13,587	21,142	38,399	1,161
Induced	299	16,306	29,306	52,671	2,899
Total	694	47,092	73,194	135,857	5,050
<i>Multiplier</i>	<i>3.1</i>	<i>2.7</i>	<i>3.2</i>	<i>3.0</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 215: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	245	40,394	52,103	119,197	1,067
Indirect	0	0	0	0	0
Induced	462	23,388	42,257	79,401	4,374
Total	707	63,782	94,360	198,598	5,441
<i>Multiplier</i>	<i>2.9</i>	<i>1.6</i>	<i>1.8</i>	<i>1.7</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 216: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	406	30,769	38,132	72,554	642
Indirect	302	19,221	31,499	60,642	2,067
Induced	495	25,034	45,190	84,924	4,673
Total	1,203	75,024	114,821	218,120	7,382
<i>Multiplier</i>	<i>3.0</i>	<i>2.4</i>	<i>3.0</i>	<i>3.0</i>	<i>n.a.</i>

Oklahoma

NASA

Table 217: Summary of Employment Component of NASA Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,243	1,942	4,442	29
Indirect	0	0	0	0	0
Induced	11	520	906	1,784	87
Total	20	1,763	2,848	6,226	116
<i>Multiplier</i>	2.2	1.4	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 218: Summary of Procurement Component of NASA Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	297	19,187	24,068	54,082	740
Indirect	244	16,620	24,328	58,388	1,573
Induced	241	11,376	19,821	39,042	1,914
Total	782	47,183	68,217	151,512	4,227
<i>Multiplier</i>	2.6	2.5	2.8	2.8	<i>n.a.</i>

Moon to Mars Campaign

Table 219: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	157	213	487	4
Indirect	0	0	0	0	0
Induced	1	71	124	244	12
Total	2	228	337	731	16
<i>Multiplier</i>	2.0	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 220: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	97	127	298	5
Indirect	1	83	130	310	8
Induced	2	64	111	217	11
Total	4	244	368	825	24
<i>Multiplier</i>	<i>4.0</i>	<i>2.5</i>	<i>2.9</i>	<i>2.8</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 221: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	63	136	311	1
Indirect	0	0	0	0	0
Induced	1	26	45	91	4
Total	2	89	181	402	5
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 222: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	174	11,529	14,864	32,465	525
Indirect	138	6,813	10,709	22,836	549
Induced	148	6,872	11,857	23,785	1,166
Total	460	25,214	37,430	79,086	2,240
<i>Multiplier</i>	<i>2.6</i>	<i>2.2</i>	<i>2.5</i>	<i>2.4</i>	<i>n.a.</i>

Oregon

NASA

Table 223: Summary of Employment Component of NASA Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,203	1,399	3,202	62
Indirect	0	0	0	0	0
Induced	12	639	1,083	1,947	100
Total	19	1,842	2,482	5,149	162
<i>Multiplier</i>	2.7	1.5	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 224: Summary of Procurement Component of NASA Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	88	4,496	10,123	16,578	554
Indirect	52	2,386	5,965	10,755	361
Induced	85	3,253	7,809	14,037	723
Total	225	10,135	23,897	41,370	1,638
<i>Multiplier</i>	2.6	2.3	2.4	2.5	<i>n.a.</i>

Moon to Mars Campaign

Table 225: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	51	87	199	3
Indirect	0	0	0	0	0
Induced	1	29	49	87	4
Total	1	80	136	286	7
<i>Multiplier</i>	2.3	1.6	1.6	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 226: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	6	527	1,045	1,444	53
Indirect	3	335	592	844	29
Induced	6	388	657	1,153	60
Total	15	1,250	2,294	3,441	142
<i>Multiplier</i>	<i>2.5</i>	<i>2.4</i>	<i>2.2</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 227: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	131	172	394	7
Indirect	0	0	0	0	0
Induced	1	67	113	209	11
Total	2	198	285	603	18
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.7</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 228: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	47	3,516	5,767	9,665	311
Indirect	33	2,045	3,409	6,405	211
Induced	51	2,607	4,409	8,147	420
Total	131	8,168	13,585	24,217	942
<i>Multiplier</i>	<i>2.8</i>	<i>2.3</i>	<i>2.4</i>	<i>2.5</i>	<i>n.a.</i>

Pennsylvania

NASA

Table 229: Summary of Employment Component of NASA Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	35	5,665	7,372	16,864	145
Indirect	0	0	0	0	0
Induced	62	3,718	6,091	10,729	586
Total	97	9,383	13,463	27,593	731
<i>Multiplier</i>	2.8	1.7	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 230: Summary of Procurement Component of NASA Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	560	53,475	68,048	119,343	2,692
Indirect	392	33,499	48,989	87,803	3,352
Induced	821	49,530	81,063	142,824	7,786
Total	1,773	136,504	198,100	349,970	13,830
<i>Multiplier</i>	3.2	2.6	2.9	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 231: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	189	340	779	5
Indirect	0	0	0	0	0
Induced	2	136	219	378	21
Total	4	325	559	1,157	26
<i>Multiplier</i>	2.0	1.7	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 232: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	279	29,065	36,751	66,892	1,391
Indirect	214	21,284	29,943	49,450	1,745
Induced	480	30,560	49,161	84,788	4,622
Total	973	80,909	115,855	201,130	7,758
<i>Multiplier</i>	3.5	2.8	3.2	3.0	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 233: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,153	1,507	3,447	30
Indirect	0	0	0	0	0
Induced	13	726	1,192	2,151	117
Total	20	1,879	2,699	5,598	147
<i>Multiplier</i>	2.9	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 234: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	97	8,135	10,331	17,037	419
Indirect	52	3,996	6,110	11,418	411
Induced	119	6,887	11,296	20,386	1,112
Total	268	19,018	27,737	48,841	1,942
<i>Multiplier</i>	2.8	2.3	2.7	2.9	<i>n.a.</i>

Rhode Island

NASA

Table 235: Summary of Employment Component of NASA Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	181	213	487	5
Indirect	0	0	0	0	0
Induced	2	91	161	272	18
Total	3	272	374	759	23
<i>Multiplier</i>	3.0	1.5	1.8	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 236: Summary of Procurement Component of NASA Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	29	2,172	2,949	5,942	168
Indirect	24	1,472	2,268	4,282	153
Induced	30	1,650	2,899	4,900	324
Total	83	5,294	8,116	15,124	645
<i>Multiplier</i>	2.9	2.4	2.8	2.5	n.a.

Moon to Mars Campaign

Table 237: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	n.a.	n.a.	n.a.	n.a.	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 238: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11	840	1,137	2,318	64
Indirect	9	632	944	1,684	60
Induced	12	708	1,225	2,042	135
Total	32	2,180	3,306	6,044	259
<i>Multiplier</i>	<i>2.9</i>	<i>2.6</i>	<i>2.9</i>	<i>2.6</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 239: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 240: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	500	679	1,368	38
Indirect	5	324	518	1,007	36
Induced	7	364	639	1,105	73
Total	19	1,188	1,836	3,480	147
<i>Multiplier</i>	<i>2.7</i>	<i>2.4</i>	<i>2.7</i>	<i>2.5</i>	<i>n.a.</i>

South Carolina

NASA

Table 241: Summary of Employment Component of NASA Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	9	1,729	1,922	4,396	45
Indirect	0	0	0	0	0
Induced	16	715	1,286	2,444	145
Total	25	2,444	3,208	6,840	190
<i>Multiplier</i>	2.8	1.4	1.7	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 242: Summary of Procurement Component of NASA Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	93	6,106	7,640	14,055	336
Indirect	56	3,400	4,950	9,647	291
Induced	76	3,436	6,173	11,735	694
Total	225	12,942	18,763	35,437	1,321
<i>Multiplier</i>	2.4	2.1	2.5	2.5	<i>n.a.</i>

Moon to Mars Campaign

Table 243: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 244: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	43	60	119	4
Indirect	0	28	43	82	2
Induced	1	29	51	98	6
Total	2	100	154	299	12
<i>Multiplier</i>	<i>2.0</i>	<i>2.3</i>	<i>2.6</i>	<i>2.5</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 245: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	140	152	348	4
Indirect	0	0	0	0	0
Induced	1	56	100	196	12
Total	2	196	252	544	16
<i>Multiplier</i>	<i>2.0</i>	<i>1.4</i>	<i>1.7</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 246: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	12	627	898	1,672	44
Indirect	6	335	528	1,111	32
Induced	8	347	623	1,222	72
Total	26	1,309	2,049	4,005	148
<i>Multiplier</i>	<i>2.2</i>	<i>2.1</i>	<i>2.3</i>	<i>2.4</i>	<i>n.a.</i>

South Dakota

NASA

Table 247: Summary of Employment Component of NASA Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	174	317	726	1
Indirect	0	0	0	0	0
Induced	2	77	138	252	11
Total	3	251	455	978	12
<i>Multiplier</i>	3.0	1.4	1.4	1.3	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 248: Summary of Procurement Component of NASA Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	45	3,728	3,800	14,322	-1,244
Indirect	53	4,156	8,562	12,972	607
Induced	52	2,618	4,678	8,544	380
Total	150	10,502	17,040	35,838	-257
<i>Multiplier</i>	3.3	2.8	4.5	2.5	n.a.

Moon to Mars Campaign

Table 249: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	12	19	43	<1
Indirect	0	0	0	0	0
Induced	<1	6	10	19	1
Total	<1	18	29	62	1
<i>Multiplier</i>	2.3	1.5	1.5	1.4	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 250: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3	191	282	653	12
Indirect	2	136	239	389	11
Induced	2	123	219	394	18
Total	7	450	740	1,436	41
<i>Multiplier</i>	<i>2.3</i>	<i>2.4</i>	<i>2.6</i>	<i>2.2</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 251: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	8	13	29	<1
Indirect	0	0	0	0	0
Induced	<1	4	6	12	1
Total	<1	12	19	41	1
<i>Multiplier</i>	<i>2.3</i>	<i>1.5</i>	<i>1.5</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 252: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	25	2,428	1,882	9,850	-1,312
Indirect	45	2,831	6,250	10,243	510
Induced	37	1,782	3,172	5,923	263
Total	107	7,041	11,304	26,016	-539
<i>Multiplier</i>	<i>4.3</i>	<i>2.9</i>	<i>6</i>	<i>2.6</i>	<i>n.a.</i>

Tennessee

NASA

Table 253: Summary of Employment Component of NASA Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	75	13,518	15,961	36,514	82
Indirect	0	0	0	0	0
Induced	134	7,542	12,535	22,783	1,241
Total	209	21,060	28,496	59,297	1,323
<i>Multiplier</i>	2.8	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 254: Summary of Procurement Component of NASA Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	481	37,046	58,933	109,840	1,099
Indirect	415	30,343	43,974	79,643	2,463
Induced	540	30,370	50,428	91,651	4,987
Total	1,436	97,759	153,335	281,134	8,549
<i>Multiplier</i>	3	2.6	2.6	2.6	<i>n.a.</i>

Moon to Mars Campaign

Table 255: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	14	2,578	3,071	7,025	16
Indirect	0	0	0	0	0
Induced	26	1,532	2,551	4,510	246
Total	40	4,110	5,622	11,535	262
<i>Multiplier</i>	2.9	1.6	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 256: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	418	597	1,135	19
Indirect	5	376	552	999	27
Induced	7	367	611	1,081	59
Total	17	1,161	1,760	3,215	105
<i>Multiplier</i>	<i>3.4</i>	<i>2.8</i>	<i>2.9</i>	<i>2.8</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 257: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	356	479	1,095	2
Indirect	0	0	0	0	0
Induced	4	194	321	604	33
Total	6	550	800	1,699	35
<i>Multiplier</i>	<i>3.0</i>	<i>1.5</i>	<i>1.7</i>	<i>1.6</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 258: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	86	6,739	10,574	20,981	490
Indirect	98	6,138	9,153	18,122	575
Induced	105	5,669	9,380	17,663	961
Total	289	18,546	29,107	56,766	2,026
<i>Multiplier</i>	<i>3.4</i>	<i>2.8</i>	<i>2.8</i>	<i>2.7</i>	<i>n.a.</i>

Texas

NASA

Table 259: Summary of Employment Component of NASA Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,948	573,109	627,858	1,436,368	3,928
Indirect	0	0	0	0	0
Induced	6,211	343,883	584,145	1,124,036	50,595
Total	9,159	916,992	1,212,003	2,560,404	54,523
<i>Multiplier</i>	3.1	1.6	1.9	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 260: Summary of Procurement Component of NASA Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	10,094	904,055	1,319,038	2,290,616	30,931
Indirect	8,411	627,169	968,161	1,847,104	39,156
Induced	14,273	790,214	1,341,496	2,581,586	116,038
Total	32,778	2,321,438	3,628,695	6,719,306	186,125
<i>Multiplier</i>	3.2	2.6	2.8	2.9	<i>n.a.</i>

Moon to Mars Campaign

Table 261: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	706	135,789	150,375	344,017	931
Indirect	0	0	0	0	0
Induced	1,499	85,923	146,379	273,922	12,330
Total	2,205	221,712	296,754	617,939	13,261
<i>Multiplier</i>	3.1	1.6	2.0	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 262: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	3,472	332,028	491,493	860,210	10,596
Indirect	2,990	252,502	378,657	663,962	13,206
Induced	5,477	313,854	534,379	1,000,074	44,957
Total	11,939	898,384	1,404,529	2,524,246	68,759
<i>Multiplier</i>	<i>3.4</i>	<i>2.7</i>	<i>2.9</i>	<i>2.9</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 263: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	13	2,376	2,787	6,377	16
Indirect	0	0	0	0	0
Induced	26	1,427	2,480	5,081	229
Total	39	3,803	5,267	11,458	245
<i>Multiplier</i>	<i>3.0</i>	<i>1.6</i>	<i>1.9</i>	<i>1.8</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 264: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	266	19,017	26,858	45,397	623
Indirect	160	11,635	19,488	40,580	1,010
Induced	292	15,764	27,365	56,072	2,520
Total	718	46,416	73,711	142,049	4,153
<i>Multiplier</i>	<i>2.7</i>	<i>2.4</i>	<i>2.7</i>	<i>3.1</i>	<i>n.a.</i>

Utah

NASA

Table 265: Summary of Employment Component of NASA Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	7	1,308	1,511	3,458	41
Indirect	0	0	0	0	0
Induced	14	670	1,239	2,355	125
Total	21	1,978	2,750	5,813	166
<i>Multiplier</i>	3.0	1.5	1.8	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 266: Summary of Procurement Component of NASA Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,618	116,295	155,986	323,991	6,841
Indirect	1,602	95,588	152,251	304,356	7,460
Induced	1,934	95,401	176,463	335,546	17,732
Total	5,154	307,284	484,700	963,893	32,033
<i>Multiplier</i>	3.2	2.6	3.1	3.0	<i>n.a.</i>

Moon to Mars Campaign

Table 267: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	817	943	2,157	25
Indirect	0	0	0	0	0
Induced	9	444	818	1,519	80
Total	13	1,261	1,761	3,676	105
<i>Multiplier</i>	3.3	1.5	1.9	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 268: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,436	105,022	141,325	296,494	6,043
Indirect	1,360	93,908	146,271	275,385	6,722
Induced	1,796	92,489	170,217	316,218	16,711
Total	4,592	291,419	457,813	888,097	29,476
<i>Multiplier</i>	3.2	2.8	3.2	3.0	n.a.

Investments in Climate Change Research and Technology

Table 269: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	55	75	171	2
Indirect	0	0	0	0	0
Induced	1	27	50	98	5
Total	1	82	125	269	7
<i>Multiplier</i>	2.6	1.5	1.7	1.6	n.a.

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 270: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	71	4,556	5,437	9,298	419
Indirect	43	2,550	3,736	7,533	208
Induced	62	2,928	5,421	10,555	558
Total	176	10,034	14,594	27,386	1,185
<i>Multiplier</i>	2.5	2.2	2.7	2.9	n.a.

Vermont

NASA

Table 271: Summary of Employment Component of NASA Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	274	379	866	7
Indirect	0	0	0	0	0
Induced	3	133	225	407	27
Total	5	407	604	1,273	34
<i>Multiplier</i>	2.5	1.5	1.6	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 272: Summary of Procurement Component of NASA Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	15	1,017	1,289	2,705	72
Indirect	10	583	885	1,779	71
Induced	14	697	1,178	2,131	141
Total	39	2,297	3,352	6,615	284
<i>Multiplier</i>	2.6	2.3	2.6	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 273: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 274: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	133	209	366	11
Indirect	1	87	141	235	9
Induced	2	94	158	280	18
Total	5	314	508	881	38
<i>Multiplier</i>	<i>2.5</i>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 275: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 276: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	298	361	816	20
Indirect	4	172	270	564	22
Induced	4	202	340	628	42
Total	12	672	971	2,008	84
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.7</i>	<i>2.5</i>	<i>n.a.</i>

Virginia

NASA

Table 277: Summary of Employment Component of NASA Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2,477	450,864	527,442	1,206,644	14,448
Indirect	0	0	0	0	0
Induced	3,869	204,596	379,796	661,389	38,810
Total	6,346	655,460	907,238	1,868,033	53,258
<i>Multiplier</i>	2.6	1.5	1.7	1.5	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 278: Summary of Procurement Component of NASA Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	11,385	882,197	1,187,937	2,095,585	59,801
Indirect	5,209	430,231	667,590	1,163,490	61,612
Induced	9,799	518,125	960,655	1,673,242	98,062
Total	26,393	1,830,553	2,816,182	4,932,317	219,475
<i>Multiplier</i>	2.3	2.1	2.4	2.4	<i>n.a.</i>

Moon to Mars Campaign

Table 279: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	99	17,652	20,981	47,999	566
Indirect	0	0	0	0	0
Induced	155	8,609	16,029	27,245	1,599
Total	254	26,261	37,010	75,244	2,165
<i>Multiplier</i>	2.6	1.5	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 280: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,195	97,300	165,026	392,165	7,409
Indirect	788	75,093	104,163	230,092	11,046
Induced	1,155	64,008	119,051	202,384	11,862
Total	3,138	236,401	388,240	824,641	30,317
<i>Multiplier</i>	<i>2.6</i>	<i>2.4</i>	<i>2.4</i>	<i>2.1</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 281: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	540	93,026	114,935	262,939	2,981
Indirect	0	0	0	0	0
Induced	805	40,601	75,149	134,108	7,869
Total	1,345	133,627	190,084	397,047	10,850
<i>Multiplier</i>	<i>2.5</i>	<i>1.4</i>	<i>1.7</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 282: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,246	83,544	107,205	176,816	4,823
Indirect	495	34,683	56,451	104,316	3,474
Induced	931	47,033	86,978	155,241	9,101
Total	2,672	165,260	250,634	436,373	17,398
<i>Multiplier</i>	<i>2.1</i>	<i>2.0</i>	<i>2.3</i>	<i>2.5</i>	<i>n.a.</i>

Washington

NASA

Table 283: Summary of Employment Component of NASA Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	19	3,356	4,061	9,290	18
Indirect	0	0	0	0	0
Induced	26	1,717	3,060	5,224	347
Total	45	5,073	7,121	14,514	365
<i>Multiplier</i>	2.4	1.5	1.8	1.6	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 284: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,686	173,801	275,614	426,556	5,982
Indirect	1,027	89,979	151,067	251,120	8,762
Induced	1,864	121,493	216,353	369,504	24,493
Total	4,577	385,273	643,034	1,047,180	39,237
<i>Multiplier</i>	2.7	2.2	2.3	2.5	<i>n.a.</i>

Moon to Mars Campaign

Table 285: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	265	260	594	1
Indirect	0	0	0	0	0
Induced	2	144	256	426	28
Total	3	409	516	1,020	29
<i>Multiplier</i>	3.0	1.5	2.0	1.7	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 286: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1,230	149,793	239,866	372,173	5,009
Indirect	817	86,310	141,437	212,058	7,374
Induced	1,662	112,134	199,799	332,684	22,053
Total	3,709	348,237	581,102	916,915	34,436
<i>Multiplier</i>	<i>3.0</i>	<i>2.3</i>	<i>2.4</i>	<i>2.5</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 287: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	21	32	73	<1
Indirect	0	0	0	0	0
Induced	<1	10	18	32	2
Total	<1	31	50	105	2
<i>Multiplier</i>	<i>2.1</i>	<i>1.5</i>	<i>1.6</i>	<i>1.4</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 288: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	132	9,609	14,933	22,975	324
Indirect	54	4,371	7,659	13,754	486
Induced	101	6,263	11,162	19,681	1,305
Total	287	20,243	33,754	56,410	2,115
<i>Multiplier</i>	<i>2.2</i>	<i>2.1</i>	<i>2.3</i>	<i>2.5</i>	<i>n.a.</i>

Washington, D.C.

NASA

Table 289: Summary of Employment Component of NASA Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	299	57,489	63,766	145,880	1,367
Indirect	0	0	0	0	0
Induced	132	10,933	16,574	24,340	1,421
Total	431	68,422	80,340	170,220	2,788
<i>Multiplier</i>	<i>1.4</i>	<i>1.2</i>	<i>1.3</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 290: Summary of Procurement Component of NASA Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	810	105,706	149,284	239,058	4,172
Indirect	467	37,514	26,676	108,042	3,924
Induced	339	28,089	42,477	62,401	3,632
Total	1,616	171,309	218,437	409,501	11,728
<i>Multiplier</i>	<i>2.0</i>	<i>1.6</i>	<i>1.5</i>	<i>1.7</i>	<i>n.a.</i>

Moon to Mars Campaign

Table 291: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	4	897	948	2,169	21
Indirect	0	0	0	0	0
Induced	2	189	285	407	24
Total	6	1,086	1,233	2,576	45
<i>Multiplier</i>	<i>1.5</i>	<i>1.2</i>	<i>1.3</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 292: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	38	5,329	6,133	10,219	188
Indirect	17	2,690	3,483	4,774	151
Induced	21	1,762	2,649	3,789	220
Total	76	9,781	12,265	18,782	559
<i>Multiplier</i>	<i>2.0</i>	<i>1.8</i>	<i>2.0</i>	<i>1.8</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 293: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	34	6,548	7,307	16,717	156
Indirect	0	0	0	0	0
Induced	15	1,169	1,771	2,663	155
Total	49	7,717	9,078	19,380	311
<i>Multiplier</i>	<i>1.4</i>	<i>1.2</i>	<i>1.2</i>	<i>1.2</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 294: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	113	11,725	14,955	22,475	517
Indirect	39	4,394	5,018	9,692	331
Induced	37	2,940	4,439	6,681	388
Total	189	19,059	24,412	38,848	1,236
<i>Multiplier</i>	<i>1.7</i>	<i>1.6</i>	<i>1.6</i>	<i>1.7</i>	<i>n.a.</i>

West Virginia

NASA

Table 295: Summary of Employment Component of NASA Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	60	10,571	12,856	29,411	297
Indirect	0	0	0	0	0
Induced	91	4,094	7,030	12,997	794
Total	151	14,665	19,886	42,408	1,091
<i>Multiplier</i>	2.5	1.4	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 296: Summary of Procurement Component of NASA Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	232	16,442	22,988	46,006	1,076
Indirect	132	8,048	12,430	23,441	686
Induced	192	8,616	14,789	27,342	1,670
Total	556	33,106	50,207	96,789	3,432
<i>Multiplier</i>	2.4	2.0	2.2	2.1	<i>n.a.</i>

Moon to Mars Campaign

Table 297: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	<1	2	6	13	<1
Indirect	0	0	0	0	0
Induced	<1	1	1	2	<1
Total	<1	3	7	15	<1
<i>Multiplier</i>	1.5	1.5	1.2	1.2	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 298: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	25	1,813	2,656	5,394	121
Indirect	14	994	1,517	2,667	76
Induced	22	1,033	1,770	3,216	196
Total	61	3,840	5,943	11,277	393
<i>Multiplier</i>	<i>2.4</i>	<i>2.1</i>	<i>2.2</i>	<i>2.1</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 299: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	213	214	489	6
Indirect	0	0	0	0	0
Induced	2	80	138	263	16
Total	3	293	352	752	22
<i>Multiplier</i>	<i>3.0</i>	<i>1.4</i>	<i>1.6</i>	<i>1.5</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 300: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	20	1,429	2,089	4,242	95
Indirect	13	688	1,140	2,234	64
Induced	17	743	1,281	2,433	149
Total	50	2,860	4,510	8,909	308
<i>Multiplier</i>	<i>2.5</i>	<i>2.0</i>	<i>2.2</i>	<i>2.1</i>	<i>n.a.</i>

Wisconsin

NASA

Table 301: Summary of Employment Component of NASA Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	880	1,720	3,935	25
Indirect	0	0	0	0	0
Induced	9	490	845	1,569	90
Total	17	1,370	2,565	5,504	115
<i>Multiplier</i>	2.1	1.6	1.5	1.4	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 302: Summary of Procurement Component of NASA Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	79	6,137	8,825	17,692	375
Indirect	72	5,207	7,939	15,263	510
Induced	100	5,150	8,873	16,469	949
Total	251	16,494	25,637	49,424	1,834
<i>Multiplier</i>	3.2	2.7	2.9	2.8	<i>n.a.</i>

Moon to Mars Campaign

Table 303: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	209	215	491	6
Indirect	0	0	0	0	0
Induced	2	125	215	391	23
Total	3	334	430	882	29
<i>Multiplier</i>	3.0	1.6	2.0	1.8	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 304: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	5	416	584	1,171	25
Indirect	5	322	487	862	28
Induced	7	377	649	1,179	68
Total	17	1,115	1,720	3,212	121
<i>Multiplier</i>	<i>3.4</i>	<i>2.7</i>	<i>2.9</i>	<i>2.7</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 305: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	66	177	406	2
Indirect	0	0	0	0	0
Induced	1	35	61	116	7
Total	2	101	238	522	9
<i>Multiplier</i>	<i>2.0</i>	<i>1.5</i>	<i>1.3</i>	<i>1.3</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 306: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	37	2,775	3,858	7,629	165
Indirect	32	1,862	2,968	5,811	189
Induced	45	2,222	3,824	7,256	418
Total	114	6,859	10,650	20,696	772
<i>Multiplier</i>	<i>3.1</i>	<i>2.5</i>	<i>2.8</i>	<i>2.7</i>	<i>n.a.</i>

Wyoming

NASA

Table 307: Summary of Employment Component of NASA Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	2	259	414	946	2
Indirect	0	0	0	0	0
Induced	1	58	113	221	13
Total	3	317	527	1,167	15
<i>Multiplier</i>	1.5	1.2	1.3	1.2	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 308: Summary of Procurement Component of NASA Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	17	1,093	1,335	3,132	57
Indirect	11	498	790	1,738	34
Induced	8	325	637	1,244	72
Total	36	1,916	2,762	6,114	163
<i>Multiplier</i>	2.1	1.8	2.1	2.0	<i>n.a.</i>

Moon to Mars Campaign

Table 309: Summary of Employment Component of M2M Campaign Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	1	178	213	487	2
Indirect	0	0	0	0	0
Induced	1	42	82	156	9
Total	2	220	295	643	11
<i>Multiplier</i>	2.0	1.2	1.4	1.3	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 310: Summary of Procurement Component of M2M Campaign Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Investments in Climate Change Research and Technology

Table 311: Summary of Employment Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Induced	0	0	0	0	0
Total	0	0	0	0	0
<i>Multiplier</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Notes: 1) While direct employment component refers to full-time equivalent (FTE) positions at NASA centers, induced employment component refers to a combination of full-time and part-time positions. 2) Multipliers are calculated only using induced effects, not indirect effects, because of how government procurement is analyzed independently in this report. Therefore, the multipliers in this table should not be compared to studies of other industries that do have indirect effects attributed to employment levels, but rather only across the geographies in this study.

Table 312: Summary of Procurement Component of Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming

Impact Type	Employment	Labor Income (\$ thousands)	Value Added (\$ thousands)	Output (\$ thousands)	Tax (\$ thousands)
Direct	8	504	614	1,451	26
Indirect	5	219	372	837	16
Induced	4	150	291	578	34
Total	17	873	1,277	2,866	76
<i>Multiplier</i>	<i>2.1</i>	<i>1.7</i>	<i>2.1</i>	<i>2.0</i>	<i>n.a.</i>

LABOR INCOME AND VALUE-ADDED IMPACTS BY SOURCES OF IMPACT

In this section, for labor income and value added the results are examined by NASA employment and procurement components. The disaggregation of economic impacts by their sources highlights the relative contributions of NASA's employment and procurement activities to the overall NASA impacts (the equivalent tables for employment and output categories are provided in the text).

United States

NASA

Table 313: NASA Labor Income Impacts by Sources of Impact, the United States

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,251,378	67.7	0	0.0	3,251,378	12.6	100.0	0.0
Indirect	0	0.0	14,197,136	67.7	14,197,136	55.1	0.0	100.0
Induced	1,548,346	32.3	6,766,925	32.3	8,315,271	32.3	18.6	81.4
Total	4,799,724	100	20,964,061	100	25,763,785	100	18.6	81.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 314: NASA Value Added Impacts by Sources of Impact, the United States

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,775,977	57.9	0	0.0	3,775,977	9.8	100.0	0.0
Indirect	0	0.0	20,130,625	62.6	20,130,625	52.1	0.0	100.0
Induced	2,749,744	42.1	12,008,242	37.4	14,757,986	38.2	18.6	81.4
Total	6,525,721	100	32,138,867	100	38,664,588	100	16.9	83.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 315: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, the United States

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	440,200	67.7	0	0.0	440,200	6.2	100.0
Indirect	0	0.0	4,397,490	67.7	4,397,490	61.6	0.0	100.0
Induced	209,629	32.3	2,095,884	32.3	2,305,513	32.3	9.1	90.9
Total	649,829	100	6,493,374	100	7,143,203	100	9.1	90.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 316: Moon to Mars Campaign Value Added Impacts by Sources of Impact, the United States

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	526,766	58.6	0	0.0	526,766	4.8	100.0
Indirect	0	0.0	6,342,130	63.0	6,342,130	57.9	0.0	100.0
Induced	372,285	41.4	3,719,499	37.0	4,091,784	37.3	9.1	90.9
Total	899,051	100	10,061,629	100	10,960,680	100	8.2	91.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 317: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, the United States

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	329,851	67.7	0	0.0	329,851	12.1	100.0
Indirect	0	0.0	1,511,670	67.7	1,511,670	55.6	0.0	100.0
Induced	157,079	32.3	720,463	32.3	877,542	32.3	17.9	82.1
Total	486,930	100	2,232,133	100	2,719,063	100	17.9	82.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 318: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, the United States

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	392,681	58.5	0	0.0	392,681	9.6	100.0	0.0
Indirect	0	0.0	2,126,526	62.5	2,126,526	52.2	0.0	100.0
Induced	278,960	41.5	1,278,590	37.5	1,557,550	38.2	17.9	82.1
Total	671,641	100	3,405,116	100	4,076,757	100	16.5	83.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Alabama

NASA

Table 319: NASA Labor Income Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	403,062	72.2	0	0.0	403,062	15.0	100.0	0.0
Indirect	0	0.0	1,594,107	75.0	1,594,107	59.4	0.0	100.0
Induced	155,457	27.8	532,392	25.0	687,849	25.6	22.6	77.4
Total	558,519	100	2,126,499	100	2,685,018	100	20.8	79.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 320: NASA Value Added Impacts by Sources of Impact, Alabama

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	484,620	63.3	0	0.0	484,620	12.3	100.0	0.0
Indirect	0	0.0	2,227,618	69.8	2,227,618	56.3	0.0	100.0
Induced	280,860	36.7	961,602	30.2	1,242,462	31.4	22.6	77.4
Total	765,480	100	3,189,220	100	3,954,700	100	19.4	80.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 321: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alabama

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	105,437	71.3	0	0.0	105,437	6.4	100.0	0.0
Indirect	0	0.0	1,116,367	74.7	1,116,367	68.0	0.0	100.0
Induced	42,485	28.7	377,893	25.3	420,378	25.6	10.1	89.9
Total	147,922	100	1,494,260	100	1,642,182	100	9.0	91.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 322: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alabama

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	128,932	62.6	0	0.0	128,932	5.2	100.0	0.0
Indirect	0	0.0	1,610,221	70.1	1,610,221	64.3	0.0	100.0
Induced	77,189	37.4	686,408	29.9	763,597	30.5	10.1	89.9
Total	206,121	100	2,296,629	100	2,502,750	100	8.2	91.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 323: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alabama

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	8,630	72.3	0	0.0	8,630	13.4	100.0	0.0
Indirect	0	0.0	39,107	74.9	39,107	60.9	0.0	100.0
Induced	3,308	27.7	13,123	25.1	16,431	25.6	20.1	79.9
Total	11,938	100	52,230	100	64,168	100	18.6	81.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 324: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alabama

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	11,131	65.2	0	0.0	11,131	11.9	100.0	0.0
Indirect	0	0.0	52,696	69.1	52,696	56.5	0.0	100.0
Induced	5,945	34.8	23,577	30.9	29,522	31.6	20.1	79.9
Total	17,076	100	76,273	100	93,349	100	18.3	81.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Alaska

NASA

Table 325: NASA Labor Income Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	134	71.3	0	0.0	134	0.4	100.0
Indirect	0	0.0	27,398	73.5	27,398	73.1	0.0	100.0
Induced	54	28.7	9,901	26.5	9,955	26.6	0.5	99.5
Total	188	100	37,299	100	37,487	100	0.5	99.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 326: NASA Value Added Impacts by Sources of Impact, Alaska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	421	81.6	0	0.0	421	0.8	100.0
Indirect	0	0.0	32,805	65.3	32,805	64.7	0.0	100.0
Induced	95	18.4	17,399	34.7	17,494	34.5	0.5	99.5
Total	516	100	50,204	100	50,720	100	1.0	99.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 327: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Alaska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	919	74.7	919	74.7	0.0	100.0
Induced	0	n.a.	312	25.3	312	25.3	0.0	100.0
Total	0	n.a.	1,231	100	1,231	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 328: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Alaska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	1,061	66.1	1,061	66.1	0.0	100.0
Induced	0	n.a.	544	33.9	544	33.9	0.0	100.0
Total	0	n.a.	1,605	100	1,605	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 329: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Alaska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	39	72.2	0	0.0	39	0.4	100.0	0.0
Indirect	0	0.0	8,106	73.1	8,106	72.8	0.0	100.0
Induced	15	27.8	2,979	26.9	2,994	26.9	0.5	99.5
Total	54	100	11,085	100	11,139	100	0.5	99.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 330: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Alaska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	113	80.7	0	0.0	113	0.7	100.0	0.0
Indirect	0	0.0	10,293	66.0	10,293	65.4	0.0	100.0
Induced	27	19.3	5,295	34.0	5,322	33.8	0.5	99.5
Total	140	100	15,588	100	15,728	100	0.9	99.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Arizona

NASA

Table 331: NASA Labor Income Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,230	63.0	0	0.0	2,230	0.9	100.0
Indirect	0	0.0	159,482	65.7	159,482	64.8	0.0	100.0
Induced	1,309	37.0	83,160	34.3	84,469	34.3	1.5	98.5
Total	3,539	100	242,642	100	246,181	100	1.4	98.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 332: NASA Value Added Impacts by Sources of Impact, Arizona

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,678	53.9	0	0.0	2,678	0.7	100.0
Indirect	0	0.0	234,891	61.8	234,891	61.0	0.0	100.0
Induced	2,290	46.1	145,470	38.2	147,760	38.3	1.5	98.5
Total	4,968	100	380,361	100	385,329	100	1.3	98.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 333: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arizona

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	18,432	64.7	18,432	64.7	0.0	100.0
Induced	0	n.a.	10,073	35.3	10,073	35.3	0.0	100.0
Total	0	n.a.	28,505	100	28,505	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 334: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arizona

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	27,363	60.9	27,363	60.9	0.0	100.0
Induced	0	n.a.	17,598	39.1	17,598	39.1	0.0	100.0
Total	0	n.a.	44,961	100	44,961	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 335: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arizona

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	409	63.9	0	0.0	409	2.7	100.0	0.0
Indirect	0	0.0	9,554	66.4	9,554	63.5	0.0	100.0
Induced	231	36.1	4,842	33.6	5,073	33.7	4.6	95.4
Total	640	100	14,396	100	15,036	100	4.3	95.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 336: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arizona

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	516	56.1	0	0.0	516	2.2	100.0	0.0
Indirect	0	0.0	14,539	63.2	14,539	60.8	0.0	100.0
Induced	404	43.9	8,448	36.8	8,852	37.0	4.6	95.4
Total	920	100	22,987	100	23,907	100	3.8	96.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Arkansas

NASA

Table 337: NASA Labor Income Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	309	72.5	0	0.0	309	12.2	100.0
Indirect	0	0.0	1,569	74.6	1,569	62.0	0.0	100.0
Induced	117	27.5	534	25.4	651	25.7	18.0	82.0
Total	426	100	2,103	100	2,529	100	16.8	83.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 338: NASA Value Added Impacts by Sources of Impact, Arkansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	630	74.7	0	0.0	630	15.6	100.0
Indirect	0	0.0	2,238	69.8	2,238	55.3	0.0	100.0
Induced	213	25.3	969	30.2	1,182	29.2	18.0	82.0
Total	843	100	3,207	100	4,050	100	20.8	79.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 339: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Arkansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	121	74.2	121	74.2	0.0	100.0
Induced	0	n.a.	42	25.8	42	25.8	0.0	100.0
Total	0	n.a.	163	100	163	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 340: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Arkansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	172	69.1	172	69.1	0.0	100.0
Induced	0	n.a.	77	30.9	77	30.9	0.0	100.0
Total	0	n.a.	249	100	249	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 341: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Arkansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	15	71.4	0	0.0	15	1.6	100.0
Indirect	0	0.0	691	74.9	691	73.2	0.0	100.0
Induced	6	28.6	232	25.1	238	25.2	2.5	97.5
Total	21	100	923	100	944	100	2.2	97.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 342: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Arkansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	41	80.4	0	0.0	41	2.8	100.0
Indirect	0	0.0	1,005	70.6	1,005	68.1	0.0	100.0
Induced	10	19.6	419	29.4	429	29.1	2.3	97.7
Total	51	100	1,424	100	1,475	100	3.5	96.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

California

NASA

Table 343: NASA Labor Income Impacts by Sources of Impact, California

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	353,646	61.6	0	0.0	353,646	6.0	100.0	0.0
Indirect	0	0.0	3,424,058	64.7	3,424,058	58.4	0.0	100.0
Induced	220,810	38.4	1,865,371	35.3	2,086,181	35.6	10.6	89.4
Total	574,456	100	5,289,429	100	5,863,885	100	9.8	90.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 344: NASA Value Added Impacts by Sources of Impact, California

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	385,748	49.4	0	0.0	385,748	4.3	100.0	0.0
Indirect	0	0.0	4,845,906	59.3	4,845,906	54.1	0.0	100.0
Induced	394,926	50.6	3,331,349	40.7	3,726,275	41.6	10.6	89.4
Total	780,674	100	8,177,255	100	8,957,929	100	8.7	91.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 345: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, California

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	20,340	59.5	0	0.0	20,340	1.8	100.0	0.0
Indirect	0	0.0	704,686	63.4	704,686	61.5	0.0	100.0
Induced	13,863	40.5	407,266	36.6	421,129	36.7	3.3	96.7
Total	34,203	100	1,111,952	100	1,146,155	100	3.0	97.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 346: Moon to Mars Campaign Value Added Impacts by Sources of Impact, California

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	21,214	46.1	0	0.0	21,214	1.2	100.0	0.0
Indirect	0	0.0	1,003,044	58.0	1,003,044	56.5	0.0	100.0
Induced	24,802	53.9	727,781	42.0	752,583	42.4	3.3	96.7
Total	46,016	100	1,730,825	100	1,776,841	100	2.6	97.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 347: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, California

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	84,756	62.9	0	0.0	84,756	10.1	100.0	0.0
Indirect	0	0.0	463,329	65.6	463,329	55.1	0.0	100.0
Induced	49,906	37.1	243,099	34.4	293,005	34.8	17.0	83.0
Total	134,662	100	706,428	100	841,090	100	16.0	84.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 348: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, California

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	99,119	52.6	0	0.0	99,119	7.7	100.0	0.0
Indirect	0	0.0	668,801	60.7	668,801	51.8	0.0	100.0
Induced	89,186	47.4	433,879	39.3	523,065	40.5	17.1	82.9
Total	188,305	100	1,102,680	100	1,290,985	100	14.6	85.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Colorado

NASA

Table 349: NASA Labor Income Impacts by Sources of Impact, Colorado

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	8,899	64.2	0	0.0	8,899	0.5	100.0	0.0
Indirect	0	0.0	1,252,560	67.0	1,252,560	66.5	0.0	100.0
Induced	4,960	35.8	616,225	33.0	621,185	33.0	0.8	99.2
Total	13,859	100	1,868,785	100	1,882,644	100	0.7	99.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 350: NASA Value Added Impacts by Sources of Impact, Colorado

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	10,596	55.1	0	0.0	10,596	0.4	100.0	0.0
Indirect	0	0.0	1,677,446	61.0	1,677,446	60.6	0.0	100.0
Induced	8,635	44.9	1,072,126	39.0	1,080,761	39.0	0.8	99.2
Total	19,231	100	2,749,572	100	2,768,803	100	0.7	99.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 351: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Colorado

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,077	63.0	0	0.0	1,077	0.1	100.0	0.0
Indirect	0	0.0	760,861	66.3	760,861	66.2	0.0	100.0
Induced	633	37.0	387,182	33.7	387,815	33.7	0.2	99.8
Total	1,710	100	1,148,043	100	1,149,753	100	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 352: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Colorado

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,362	55.1	0	0.0	1,362	0.1	100.0	0.0
Indirect	0	0.0	1,015,356	60.0	1,015,356	59.9	0.0	100.0
Induced	1,110	44.9	678,178	40.0	679,288	40.1	0.2	99.8
Total	2,472	100	1,693,534	100	1,696,006	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 353: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Colorado

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,335	64.8	0	0.0	1,335	0.6	100.0	0.0
Indirect	0	0.0	139,401	67.2	139,401	66.5	0.0	100.0
Induced	725	35.2	68,032	32.8	68,757	32.8	1.1	98.9
Total	2,060	100	207,433	100	209,493	100	1.0	99.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 354: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Colorado

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,657	57.1	0	0.0	1,657	0.5	100.0	0.0
Indirect	0	0.0	188,424	61.7	188,424	61.1	0.0	100.0
Induced	1,247	42.9	116,842	38.3	118,089	38.3	1.1	98.9
Total	2,904	100	305,266	100	308,170	100	0.9	99.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Connecticut

NASA

Table 355: NASA Labor Income Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	880	64.9	0	0.0	880	2.1	100.0	0.0
Indirect	0	0.0	28,427	68.4	28,427	66.3	0.0	100.0
Induced	476	35.1	13,124	31.6	13,600	31.7	3.5	96.5
Total	1,356	100	41,551	100	42,907	100	3.2	96.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 356: NASA Value Added Impacts by Sources of Impact, Connecticut

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,831	69.2	0	0.0	1,831	2.9	100.0	0.0
Indirect	0	0.0	39,122	63.6	39,122	60.9	0.0	100.0
Induced	816	30.8	22,433	36.4	23,249	36.2	3.5	96.5
Total	2,647	100	61,555	100	64,202	100	4.1	95.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 357: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Connecticut

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	<1	63.0	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	5,410	66.5	5,410	66.5	0.0	100.0
Induced	<1	37.0	2,723	33.5	2,723	33.4	0.1	99.9
Total	<1	100	8,133	100	8,133	100	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 358: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Connecticut

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	<1	54.3	0	0.0	<1	0.1	100.0
Indirect	0	0.0	7,185	60.7	7,185	60.7	0.0	100.0
Induced	<1	45.7	4,649	39.3	4,649	39.2	0.1	99.9
Total	<1	100	11,834	100	11,834	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 359: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Connecticut

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	111	65.7	0	0.0	111	0.6	100.0
Indirect	0	0.0	13,474	68.4	13,474	67.8	0.0	100.0
Induced	58	34.3	6,235	31.6	6,293	31.7	0.9	99.1
Total	169	100	19,709	100	19,878	100	0.9	99.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 360: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Connecticut

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	221	69.1	0	0.0	221	0.8	100.0
Indirect	0	0.0	18,287	63.3	18,287	62.6	0.0	100.0
Induced	99	30.9	10,617	36.7	10,716	36.7	0.9	99.1
Total	320	100	28,904	100	29,224	100	1.1	98.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Delaware

NASA

Table 361: NASA Labor Income Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,352	69.2	0	0.0	1,352	14.1	100.0
Indirect	0	0.0	5,428	71.1	5,428	56.6	0.0	100.0
Induced	601	30.8	2,209	28.9	2,810	29.3	21.4	78.6
Total	1,953	100	7,637	100	9,590	100	20.4	79.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 362: NASA Value Added Impacts by Sources of Impact, Delaware

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,733	61.1	0	0.0	1,733	12.2	100.0
Indirect	0	0.0	7,288	64.3	7,288	51.4	0.0	100.0
Induced	1,102	38.9	4,052	35.7	5,154	36.4	21.4	78.6
Total	2,835	100	11,340	100	14,175	100	20.0	80.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 363: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Delaware

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	17	68.0	0	0.0	17	2.5	100.0
Indirect	0	0.0	460	70.0	460	67.4	0.0	100.0
Induced	8	32.0	197	30.0	205	30.1	3.9	96.1
Total	25	100	657	100	682	100	3.7	96.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 364: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Delaware

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	39	72.2	0	0.0	39	3.8	100.0
Indirect	0	0.0	613	63.3	613	59.9	0.0	100.0
Induced	15	27.8	356	36.7	371	36.3	4.0	96.0
Total	54	100	969	100	1,023	100	5.3	94.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 365: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Delaware

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	6	66.7	0	0.0	6	0.4	100.0
Indirect	0	0.0	968	71.8	968	71.3	0.0	100.0
Induced	3	33.3	380	28.2	383	28.2	0.8	99.2
Total	9	100	1,348	100	1,357	100	0.7	99.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 366: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Delaware

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	13	72.2	0	0.0	13	0.6	100.0
Indirect	0	0.0	1,309	65.3	1,309	64.7	0.0	100.0
Induced	5	27.8	697	34.7	702	34.7	0.7	99.3
Total	18	100	2,006	100	2,024	100	0.9	99.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Florida

NASA

Table 367: NASA Labor Income Impacts by Sources of Impact, Florida

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	363,566	63.0	0	0.0	363,566	14.9	100.0	0.0
Indirect	0	0.0	1,245,739	66.8	1,245,739	51.0	0.0	100.0
Induced	213,817	37.0	618,322	33.2	832,139	34.1	25.7	74.3
Total	577,383	100	1,864,061	100	2,441,444	100	23.6	76.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 368: NASA Value Added Impacts by Sources of Impact, Florida

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	462,488	54.7	0	0.0	462,488	12.1	100.0	0.0
Indirect	0	0.0	1,854,498	62.6	1,854,498	48.7	0.0	100.0
Induced	383,227	45.3	1,107,329	37.4	1,490,556	39.1	25.7	74.3
Total	845,715	100	2,961,827	100	3,807,542	100	22.2	77.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 369: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Florida

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	99,887	61.4	0	0.0	99,887	14.2	100.0	0.0
Indirect	0	0.0	355,334	65.9	355,334	50.6	0.0	100.0
Induced	62,908	38.6	184,219	34.1	247,127	35.2	25.5	74.5
Total	162,795	100	539,553	100	702,348	100	23.2	76.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 370: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Florida

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	127,834	53.0	0	0.0	127,834	11.7	100.0	0.0
Indirect	0	0.0	516,041	60.9	516,041	47.4	0.0	100.0
Induced	113,423	47.0	331,941	39.1	445,364	40.9	25.5	74.5
Total	241,257	100	847,982	100	1,089,239	100	22.1	77.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 371: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Florida

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,185	63.8	0	0.0	2,185	1.5	100.0	0.0
Indirect	0	0.0	93,992	66.2	93,992	64.7	0.0	100.0
Induced	1,241	36.2	47,955	33.8	49,196	33.8	2.5	97.5
Total	3,426	100	141,947	100	145,373	100	2.4	97.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 372: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Florida

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,799	55.8	0	0.0	2,799	1.2	100.0	0.0
Indirect	0	0.0	136,806	61.5	136,806	60.2	0.0	100.0
Induced	2,215	44.2	85,517	38.5	87,732	38.6	2.5	97.5
Total	5,014	100	222,323	100	227,337	100	2.2	97.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Georgia

NASA

Table 373: NASA Labor Income Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,739	64.5	0	0.0	2,739	9.0	100.0
Indirect	0	0.0	17,748	68.2	17,748	58.6	0.0	100.0
Induced	1,510	35.5	8,294	31.8	9,804	32.4	15.4	84.6
Total	4,249	100	26,042	100	30,291	100	14.0	86.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 374: NASA Value Added Impacts by Sources of Impact, Georgia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	4,009	59.2	0	0.0	4,009	8.3	100.0
Indirect	0	0.0	26,132	63.3	26,132	54.4	0.0	100.0
Induced	2,759	40.8	15,152	36.7	17,911	37.3	15.4	84.6
Total	6,768	100	41,284	100	48,052	100	14.1	85.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 375: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Georgia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	360	62.9	0	0.0	360	11.8	100.0
Indirect	0	0.0	1,660	66.8	1,660	54.3	0.0	100.0
Induced	212	37.1	824	33.2	1,036	33.9	20.5	79.5
Total	572	100	2,484	100	3,056	100	18.7	81.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 376: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Georgia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	447	53.6	0	0.0	447	9.7	100.0
Indirect	0	0.0	2,272	60.1	2,272	49.2	0.0	100.0
Induced	387	46.4	1,508	39.9	1,895	41.1	20.4	79.6
Total	834	100	3,780	100	4,614	100	18.1	81.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 377: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Georgia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	255	65.2	0	0.0	255	3.1	100.0
Indirect	0	0.0	5,377	67.8	5,377	64.6	0.0	100.0
Induced	136	34.8	2,551	32.2	2,687	32.3	5.1	94.9
Total	391	100	7,928	100	8,319	100	4.7	95.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 378: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Georgia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	400	61.8	0	0.0	400	3.0	100.0
Indirect	0	0.0	7,963	63.2	7,963	60.1	0.0	100.0
Induced	247	38.2	4,630	36.8	4,877	36.8	5.1	94.9
Total	647	100	12,593	100	13,240	100	4.9	95.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Hawaii

NASA

Table 379: NASA Labor Income Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	370	69.2	0	0.0	370	1.6	100.0
Indirect	0	0.0	16,514	71.1	16,514	69.5	0.0	100.0
Induced	165	30.8	6,707	28.9	6,872	28.9	2.4	97.6
Total	535	100	23,221	100	23,756	100	2.3	97.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 380: NASA Value Added Impacts by Sources of Impact, Hawaii

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	584	65.7	0	0.0	584	1.7	100.0
Indirect	0	0.0	20,353	62.2	20,353	60.6	0.0	100.0
Induced	305	34.3	12,362	37.8	12,667	37.7	2.4	97.6
Total	889	100	32,715	100	33,604	100	2.6	97.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 381: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Hawaii

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	174	69.3	174	69.3	0.0	100.0
Induced	0	n.a.	77	30.7	77	30.7	0.0	100.0
Total	0	n.a.	251	100	251	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 382: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Hawaii

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	196	58.2	196	58.2	0.0	100.0
Induced	0	n.a.	141	41.8	141	41.8	0.0	100.0
Total	0	n.a.	337	100	337	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 383: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Hawaii

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	1	70.1	0	0.0	1	0.0	100.0	0.0
Indirect	0	0.0	3,536	71.9	3,536	71.9	0.0	100.0
Induced	<1	29.9	1,380	28.1	1,380	28.1	0.0	100.0
Total	1	100	4,916	100	4,917	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 384: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Hawaii

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	<1	36.4	0	0.0	<1	0.0	100.0	0.0
Indirect	0	0.0	4,377	63.3	4,377	63.3	0.0	100.0
Induced	1	63.6	2,533	36.7	2,534	36.7	0.0	100.0
Total	1	100	6,910	100	6,911	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Idaho

NASA

Table 385: NASA Labor Income Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	265	70.9	0	0.0	265	4.7	100.0	0.0
Indirect	0	0.0	3,808	72.9	3,808	68.0	0.0	100.0
Induced	109	29.1	1,418	27.1	1,527	27.3	7.1	92.9
Total	374	100	5,226	100	5,600	100	6.7	93.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 386: NASA Value Added Impacts by Sources of Impact, Idaho

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	448	70.0	0	0.0	448	5.6	100.0	0.0
Indirect	0	0.0	4,888	66.2	4,888	60.9	0.0	100.0
Induced	192	30.0	2,498	33.8	2,690	33.5	7.1	92.9
Total	640	100	7,386	100	8,026	100	8.0	92.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 387: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Idaho

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	<1	69.7	0	0.0	<1	0.1	100.0	0.0
Indirect	0	0.0	214	70.6	214	70.6	0.0	100.0
Induced	<1	30.3	89	29.4	89	29.3	0.1	99.9
Total	<1	100	303	100	303	100	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 388: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Idaho

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	<1	58.9	0	0.0	<1	0.1	100.0
Indirect	0	0.0	314	66.5	314	66.5	0.0	100.0
Induced	<1	41.1	158	33.5	158	33.4	0.1	99.9
Total	<1	100	472	100	472	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 389: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Idaho

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	11	73.3	0	0.0	11	0.8	100.0
Indirect	0	0.0	1,007	72.9	1,007	72.1	0.0	100.0
Induced	4	26.7	375	27.1	379	27.1	1.1	98.9
Total	15	100	1,382	100	1,397	100	1.1	98.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 390: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Idaho

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	51	86.4	0	0.0	51	2.4	100.0
Indirect	0	0.0	1,376	67.7	1,376	65.8	0.0	100.0
Induced	8	13.6	656	32.3	664	31.8	1.2	98.8
Total	59	100	2,032	100	2,091	100	2.8	97.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Illinois

NASA

Table 391: NASA Labor Income Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	2,265	60.5	0	0.0	2,265	4.7	100.0	0.0
Indirect	0	0.0	28,487	63.9	28,487	59.0	0.0	100.0
Induced	1,477	39.5	16,078	36.1	17,555	36.3	8.4	91.6
Total	3,742	100	44,565	100	48,307	100	7.7	92.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 392: NASA Value Added Impacts by Sources of Impact, Illinois

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,183	61.9	0	0.0	4,183	5.6	100.0	0.0
Indirect	0	0.0	40,149	58.9	40,149	53.6	0.0	100.0
Induced	2,571	38.1	27,960	41.1	30,531	40.8	8.4	91.6
Total	6,754	100	68,109	100	74,863	100	9.0	91.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 393: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Illinois

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	452	58.5	0	0.0	452	13.8	100.0	0.0
Indirect	0	0.0	1,594	64.0	1,594	48.8	0.0	100.0
Induced	320	41.5	898	36.0	1,218	37.3	26.3	73.7
Total	772	100	2,492	100	3,264	100	23.7	76.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 394: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Illinois

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	694	55.5	0	0.0	694	13.6	100.0	0.0
Indirect	0	0.0	2,305	59.6	2,305	45.1	0.0	100.0
Induced	556	44.5	1,560	40.4	2,116	41.4	26.3	73.7
Total	1,250	100	3,865	100	5,115	100	24.4	75.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 395: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Illinois

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	107	61.5	0	0.0	107	0.8	100.0	0.0
Indirect	0	0.0	8,295	64.3	8,295	63.5	0.0	100.0
Induced	67	38.5	4,601	35.7	4,668	35.7	1.4	98.6
Total	174	100	12,896	100	13,070	100	1.3	98.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 396: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Illinois

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	146	55.7	0	0.0	146	0.7	100.0	0.0
Indirect	0	0.0	12,085	60.2	12,085	59.4	0.0	100.0
Induced	116	44.3	7,998	39.8	8,114	39.9	1.4	98.6
Total	262	100	20,083	100	20,345	100	1.3	98.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Indiana

NASA

Table 397: NASA Labor Income Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,959	65.8	0	0.0	1,959	2.7	100.0
Indirect	0	0.0	47,477	68.8	47,477	66.0	0.0	100.0
Induced	1,017	34.2	21,514	31.2	22,531	31.3	4.5	95.5
Total	2,976	100	68,991	100	71,967	100	4.1	95.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 398: NASA Value Added Impacts by Sources of Impact, Indiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,534	67.0	0	0.0	3,534	3.0	100.0
Indirect	0	0.0	76,490	67.5	76,490	64.5	0.0	100.0
Induced	1,740	33.0	36,785	32.5	38,525	32.5	4.5	95.5
Total	5,274	100	113,275	100	118,549	100	4.4	95.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 399: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Indiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	237	64.2	0	0.0	237	21.3	100.0
Indirect	0	0.0	503	67.8	503	45.3	0.0	100.0
Induced	132	35.8	239	32.2	371	33.4	35.6	64.4
Total	369	100	742	100	1,111	100	33.2	66.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 400: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Indiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	387	63.0	0	0.0	387	19.7	100.0
Indirect	0	0.0	939	69.6	939	47.8	0.0	100.0
Induced	227	37.0	411	30.4	638	32.5	35.6	64.4
Total	614	100	1,350	100	1,964	100	31.3	68.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 401: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Indiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	145	66.8	0	0.0	145	2.8	100.0
Indirect	0	0.0	3,352	68.6	3,352	65.7	0.0	100.0
Induced	72	33.2	1,536	31.4	1,608	31.5	4.5	95.5
Total	217	100	4,888	100	5,105	100	4.3	95.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 402: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Indiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	330	72.7	0	0.0	330	3.6	100.0
Indirect	0	0.0	6,143	70.1	6,143	66.6	0.0	100.0
Induced	124	27.3	2,621	29.9	2,745	29.8	4.5	95.5
Total	454	100	8,764	100	9,218	100	4.9	95.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Iowa

NASA

Table 403: NASA Labor Income Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	338	71.3	0	0.0	338	1.7	100.0
Indirect	0	0.0	13,837	73.4	13,837	71.6	0.0	100.0
Induced	136	28.7	5,015	26.6	5,151	26.7	2.6	97.4
Total	474	100	18,852	100	19,326	100	2.5	97.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 404: NASA Value Added Impacts by Sources of Impact, Iowa

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	588	70.3	0	0.0	588	1.9	100.0
Indirect	0	0.0	20,238	68.9	20,238	67.0	0.0	100.0
Induced	249	29.7	9,146	31.1	9,395	31.1	2.7	97.3
Total	837	100	29,384	100	30,221	100	2.8	97.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 405: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Iowa

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	126	74.1	126	74.1	0.0	100.0
Induced	0	n.a.	44	25.9	44	25.9	0.0	100.0
Total	0	n.a.	170	100	170	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 406: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Iowa

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	177	68.6	177	68.6	0.0	100.0
Induced	0	n.a.	81	31.4	81	31.4	0.0	100.0
Total	0	n.a.	258	100	258	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 407: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Iowa

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	1,236	73.4	1,236	73.4	0.0	100.0
Induced	0	n.a.	448	26.6	448	26.6	0.0	100.0
Total	0	n.a.	1,684	100	1,684	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 408: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Iowa

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	1,834	69.3	1,834	69.3	0.0	100.0
Induced	0	n.a.	811	30.7	811	30.7	0.0	100.0
Total	0	n.a.	2,645	100	2,645	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Kansas

NASA

Table 409: NASA Labor Income Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	810	70.0	0	0.0	810	11.1	100.0
Indirect	0	0.0	4,504	73.5	4,504	61.8	0.0	100.0
Induced	347	30.0	1,622	26.5	1,969	27.0	17.6	82.4
Total	1,157	100	6,126	100	7,283	100	15.9	84.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 410: NASA Value Added Impacts by Sources of Impact, Kansas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,125	65.0	0	0.0	1,125	10.7	100.0
Indirect	0	0.0	5,914	67.6	5,914	56.4	0.0	100.0
Induced	607	35.0	2,835	32.4	3,442	32.8	17.6	82.4
Total	1,732	100	8,749	100	10,481	100	16.5	83.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 411: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	7	70.0	0	0.0	7	8.0	100.0
Indirect	0	0.0	57	73.1	57	64.8	0.0	100.0
Induced	3	30.0	21	26.9	24	27.3	12.5	87.5
Total	10	100	78	100	88	100	11.4	88.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 412: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kansas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	31	86.1	0	0.0	31	20.8	100.0
Indirect	0	0.0	77	68.1	77	51.7	0.0	100.0
Induced	5	13.9	36	31.9	41	27.5	12.2	87.8
Total	36	100	113	100	149	100	24.2	75.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 413: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	184	70.5	0	0.0	184	4.5	100.0
Indirect	0	0.0	2,873	74.5	2,873	69.8	0.0	100.0
Induced	77	29.5	982	25.5	1,059	25.7	7.3	92.7
Total	261	100	3,855	100	4,116	100	6.3	93.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 414: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kansas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	240	64.3	0	0.0	240	4.4	100.0
Indirect	0	0.0	3,409	66.8	3,409	62.3	0.0	100.0
Induced	133	35.7	1,692	33.2	1,825	33.3	7.3	92.7
Total	373	100	5,101	100	5,474	100	6.8	93.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Kentucky

NASA

Table 415: NASA Labor Income Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,415	69.1	0	0.0	1,415	13.8	100.0
Indirect	0	0.0	5,908	71.8	5,908	57.5	0.0	100.0
Induced	634	30.9	2,321	28.2	2,955	28.8	21.5	78.5
Total	2,049	100	8,229	100	10,278	100	19.9	80.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 416: NASA Value Added Impacts by Sources of Impact, Kentucky

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,456	69.3	0	0.0	2,456	15.5	100.0
Indirect	0	0.0	8,291	67.6	8,291	52.4	0.0	100.0
Induced	1,086	30.7	3,977	32.4	5,063	32.0	21.4	78.6
Total	3,542	100	12,268	100	15,810	100	22.4	77.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 417: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Kentucky

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	263	67.8	0	0.0	263	15.3	100.0
Indirect	0	0.0	949	71.0	949	55.0	0.0	100.0
Induced	125	32.2	387	29.0	512	29.7	24.4	75.6
Total	388	100	1,336	100	1,724	100	22.5	77.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 418: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Kentucky

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	468	68.5	0	0.0	468	17.6	100.0
Indirect	0	0.0	1,311	66.3	1,311	49.3	0.0	100.0
Induced	215	31.5	667	33.7	882	33.1	24.4	75.6
Total	683	100	1,978	100	2,661	100	25.7	74.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 419: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Kentucky

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	258	69.7	0	0.0	258	17.2	100.0
Indirect	0	0.0	816	72.4	816	54.5	0.0	100.0
Induced	112	30.3	311	27.6	423	28.3	26.5	73.5
Total	370	100	1,127	100	1,497	100	24.7	75.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 420: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Kentucky

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	361	65.3	0	0.0	361	16.1	100.0
Indirect	0	0.0	1,150	68.3	1,150	51.4	0.0	100.0
Induced	192	34.7	533	31.7	725	32.4	26.5	73.5
Total	553	100	1,683	100	2,236	100	24.7	75.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Louisiana

NASA

Table 421: NASA Labor Income Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	32,155	70.3	0	0.0	32,155	21.4	100.0
Indirect	0	0.0	77,698	74.5	77,698	51.8	0.0	100.0
Induced	13,563	29.7	26,655	25.5	40,218	26.8	33.7	66.3
Total	45,718	100	104,353	100	150,071	100	30.5	69.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 422: NASA Value Added Impacts by Sources of Impact, Louisiana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	40,352	62.0	0	0.0	40,352	17.3	100.0
Indirect	0	0.0	119,639	71.1	119,639	51.3	0.0	100.0
Induced	24,745	38.0	48,603	28.9	73,348	31.4	33.7	66.3
Total	65,097	100	168,242	100	233,339	100	27.9	72.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 423: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Louisiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	7,650	69.0	0	0.0	7,650	11.1	100.0
Indirect	0	0.0	42,927	74.6	42,927	62.6	0.0	100.0
Induced	3,434	31.0	14,616	25.4	18,050	26.3	19.0	81.0
Total	11,084	100	57,543	100	68,627	100	16.2	83.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 424: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Louisiana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	9,891	61.2	0	0.0	9,891	8.8	100.0	0.0
Indirect	0	0.0	69,337	72.3	69,337	61.8	0.0	100.0
Induced	6,261	38.8	26,630	27.7	32,891	29.3	19.0	81.0
Total	16,152	100	95,967	100	112,119	100	14.4	85.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 425: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Louisiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	91	71.1	0	0.0	91	6.5	100.0	0.0
Indirect	0	0.0	926	72.8	926	66.1	0.0	100.0
Induced	37	28.9	346	27.2	383	27.4	9.7	90.3
Total	128	100	1,272	100	1,400	100	9.1	90.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 426: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Louisiana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	150	68.5	0	0.0	150	6.8	100.0	0.0
Indirect	0	0.0	1,336	67.7	1,336	60.9	0.0	100.0
Induced	69	31.5	638	32.3	707	32.2	9.8	90.2
Total	219	100	1,974	100	2,193	100	10.0	90.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Maine

NASA

Table 427: NASA Labor Income Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	84	65.1	0	0.0	84	1.3	100.0
Indirect	0	0.0	4,245	69.1	4,245	67.6	0.0	100.0
Induced	45	34.9	1,902	30.9	1,947	31.0	2.3	97.7
Total	129	100	6,147	100	6,276	100	2.1	97.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 428: NASA Value Added Impacts by Sources of Impact, Maine

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	233	75.4	0	0.0	233	2.5	100.0
Indirect	0	0.0	5,872	64.3	5,872	62.2	0.0	100.0
Induced	76	24.6	3,256	35.7	3,332	35.3	2.3	97.7
Total	309	100	9,128	100	9,437	100	3.3	96.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 429: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maine

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	3,033	97.7	3,033	97.7	0.0	100.0
Induced	0	n.a.	71	2.3	71	2.3	0.0	100.0
Total	0	n.a.	3,104	100	3,104	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 430: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maine

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	3,835	96.9	3,835	96.9	0.0	100.0
Induced	0	n.a.	122	3.1	122	3.1	0.0	100.0
Total	0	n.a.	3,957	100	3,957	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 431: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maine

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	7	63.6	0	0.0	7	0.3	100.0	0.0
Indirect	0	0.0	1,435	68.1	1,435	67.8	0.0	100.0
Induced	4	36.4	671	31.9	675	31.9	0.6	99.4
Total	11	100	2,106	100	2,117	100	0.5	99.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 432: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maine

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	20	76.9	0	0.0	20	0.6	100.0	0.0
Indirect	0	0.0	2,001	63.5	2,001	63.0	0.0	100.0
Induced	6	23.1	1,149	36.5	1,155	36.4	0.5	99.5
Total	26	100	3,150	100	3,176	100	0.8	99.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Maryland

NASA

Table 433: NASA Labor Income Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	611,308	67.2	0	0.0	611,308	19.4	100.0	0.0
Indirect	0	0.0	1,555,192	69.5	1,555,192	49.4	0.0	100.0
Induced	298,734	32.8	681,048	30.5	979,782	31.1	30.5	69.5
Total	910,042	100	2,236,240	100	3,146,282	100	28.9	71.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 434: NASA Value Added Impacts by Sources of Impact, Maryland

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	666,118	55.5	0	0.0	666,118	14.7	100.0	0.0
Indirect	0	0.0	2,105,127	63.4	2,105,127	46.5	0.0	100.0
Induced	534,770	44.5	1,217,679	36.6	1,752,449	38.7	30.5	69.5
Total	1,200,888	100	3,322,806	100	4,523,694	100	26.5	73.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 435: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Maryland

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	3,513	64.8	0	0.0	3,513	10.1	100.0	0.0
Indirect	0	0.0	20,094	68.4	20,094	57.7	0.0	100.0
Induced	1,911	35.2	9,286	31.6	11,197	32.2	17.1	82.9
Total	5,424	100	29,380	100	34,804	100	15.6	84.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 436: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Maryland

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	3,716	52.8	0	0.0	3,716	7.2	100.0	0.0
Indirect	0	0.0	28,152	63.6	28,152	54.9	0.0	100.0
Induced	3,323	47.2	16,130	36.4	19,453	37.9	17.1	82.9
Total	7,039	100	44,282	100	51,321	100	13.7	86.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 437: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Maryland

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	80,863	68.3	0	0.0	80,863	15.9	100.0	0.0
Indirect	0	0.0	273,949	69.9	273,949	53.7	0.0	100.0
Induced	37,481	31.7	117,823	30.1	155,304	30.4	24.1	75.9
Total	118,344	100	391,772	100	510,116	100	23.2	76.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 438: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Maryland

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	88,039	56.7	0	0.0	88,039	11.9	100.0	0.0
Indirect	0	0.0	373,203	63.9	373,203	50.5	0.0	100.0
Induced	67,215	43.3	211,035	36.1	278,250	37.6	24.2	75.8
Total	155,254	100	584,238	100	739,492	100	21.0	79.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Massachusetts

NASA

Table 439: NASA Labor Income Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	2,536	61.7	0	0.0	2,536	0.9	100.0	0.0
Indirect	0	0.0	183,622	64.1	183,622	63.2	0.0	100.0
Induced	1,574	38.3	103,037	35.9	104,611	36.0	1.5	98.5
Total	4,110	100	286,659	100	290,769	100	1.4	98.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 440: NASA Value Added Impacts by Sources of Impact, Massachusetts

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,218	55.8	0	0.0	3,218	0.8	100.0	0.0
Indirect	0	0.0	246,734	59.7	246,734	58.8	0.0	100.0
Induced	2,552	44.2	166,882	40.3	169,434	40.4	1.5	98.5
Total	5,770	100	413,616	100	419,386	100	1.4	98.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 441: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Massachusetts

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	184	59.4	0	0.0	184	2.3	100.0	0.0
Indirect	0	0.0	5,011	64.0	5,011	61.5	0.0	100.0
Induced	126	40.6	2,824	36.0	2,950	36.2	4.3	95.7
Total	310	100	7,835	100	8,145	100	3.8	96.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 442: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Massachusetts

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	273	57.7	0	0.0	273	2.2	100.0	0.0
Indirect	0	0.0	7,396	62.3	7,396	59.9	0.0	100.0
Induced	200	42.3	4,484	37.7	4,684	37.9	4.3	95.7
Total	473	100	11,880	100	12,353	100	3.8	96.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 443: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Massachusetts

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	137	63.1	0	0.0	137	0.2	100.0	0.0
Indirect	0	0.0	49,608	64.7	49,608	64.5	0.0	100.0
Induced	80	36.9	27,058	35.3	27,138	35.3	0.3	99.7
Total	217	100	76,666	100	76,883	100	0.3	99.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 444: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Massachusetts

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	270	67.5	0	0.0	270	0.2	100.0	0.0
Indirect	0	0.0	66,495	60.3	66,495	60.1	0.0	100.0
Induced	130	32.5	43,724	39.7	43,854	39.6	0.3	99.7
Total	400	100	110,219	100	110,619	100	0.4	99.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Michigan

NASA

Table 445: NASA Labor Income Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,526	63.2	0	0.0	1,526	3.0	100.0	0.0
Indirect	0	0.0	32,098	66.1	32,098	63.0	0.0	100.0
Induced	889	36.8	16,435	33.9	17,324	34.0	5.1	94.9
Total	2,415	100	48,533	100	50,948	100	4.7	95.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 446: NASA Value Added Impacts by Sources of Impact, Michigan

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	2,853	65.8	0	0.0	2,853	3.8	100.0	0.0
Indirect	0	0.0	43,165	61.2	43,165	57.6	0.0	100.0
Induced	1,483	34.2	27,406	38.8	28,889	38.6	5.1	94.9
Total	4,336	100	70,571	100	74,907	100	5.8	94.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 447: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Michigan

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	223	61.6	0	0.0	223	12.8	100.0	0.0
Indirect	0	0.0	924	66.8	924	52.9	0.0	100.0
Induced	139	38.4	460	33.2	599	34.3	23.2	76.8
Total	362	100	1,384	100	1,746	100	20.7	79.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 448: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Michigan

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	391	62.8	0	0.0	391	13.8	100.0	0.0
Indirect	0	0.0	1,443	65.2	1,443	50.9	0.0	100.0
Induced	232	37.2	769	34.8	1,001	35.3	23.2	76.8
Total	623	100	2,212	100	2,835	100	22.0	78.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 449: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Michigan

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	185	64.0	0	0.0	185	0.8	100.0	0.0
Indirect	0	0.0	14,370	66.4	14,370	65.5	0.0	100.0
Induced	104	36.0	7,271	33.6	7,375	33.6	1.4	98.6
Total	289	100	21,641	100	21,930	100	1.3	98.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 450: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Michigan

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	167	49.1	0	0.0	167	0.5	100.0	0.0
Indirect	0	0.0	19,630	61.9	19,630	61.2	0.0	100.0
Induced	173	50.9	12,105	38.1	12,278	38.3	1.4	98.6
Total	340	100	31,735	100	32,075	100	1.1	98.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Minnesota

NASA

Table 451: NASA Labor Income Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	1,202	60.7	0	0.0	1,202	6.9	100.0	0.0
Indirect	0	0.0	10,001	64.6	10,001	57.2	0.0	100.0
Induced	777	39.3	5,489	35.4	6,266	35.9	12.4	87.6
Total	1,979	100	15,490	100	17,469	100	11.3	88.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 452: NASA Value Added Impacts by Sources of Impact, Minnesota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	2,450	65.4	0	0.0	2,450	9.3	100.0	0.0
Indirect	0	0.0	13,408	59.4	13,408	51.0	0.0	100.0
Induced	1,297	34.6	9,150	40.6	10,447	39.7	12.4	87.6
Total	3,747	100	22,558	100	26,305	100	14.2	85.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 453: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Minnesota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	93	59.2	0	0.0	93	5.4	100.0	0.0
Indirect	0	0.0	1,015	64.8	1,015	58.9	0.0	100.0
Induced	64	40.8	551	35.2	615	35.7	10.4	89.6
Total	157	100	1,566	100	1,723	100	9.1	90.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 454: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Minnesota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	166	60.8	0	0.0	166	6.2	100.0	0.0
Indirect	0	0.0	1,496	62.0	1,496	55.7	0.0	100.0
Induced	107	39.2	917	38.0	1,024	38.1	10.4	89.6
Total	273	100	2,413	100	2,686	100	10.2	89.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 455: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Minnesota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	78	61.9	0	0.0	78	2.1	100.0	0.0
Indirect	0	0.0	2,275	64.1	2,275	61.9	0.0	100.0
Induced	48	38.1	1,273	35.9	1,321	36.0	3.6	96.4
Total	126	100	3,548	100	3,674	100	3.4	96.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 456: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Minnesota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	260	76.5	0	0.0	260	4.5	100.0	0.0
Indirect	0	0.0	3,311	61.0	3,311	57.4	0.0	100.0
Induced	80	23.5	2,119	39.0	2,199	38.1	3.6	96.4
Total	340	100	5,430	100	5,770	100	5.9	94.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Mississippi

NASA

Table 457: NASA Labor Income Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	42,541	74.7	0	0.0	42,541	16.0	100.0
Indirect	0	0.0	162,610	77.9	162,610	61.2	0.0	100.0
Induced	14,420	25.3	46,105	22.1	60,525	22.8	23.8	76.2
Total	56,961	100	208,715	100	265,676	100	21.4	78.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 458: NASA Value Added Impacts by Sources of Impact, Mississippi

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	55,597	67.2	0	0.0	55,597	14.1	100.0
Indirect	0	0.0	226,025	72.3	226,025	57.2	0.0	100.0
Induced	27,088	32.8	86,590	27.7	113,678	28.8	23.8	76.2
Total	82,685	100	312,615	100	395,300	100	20.9	79.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 459: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Mississippi

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	6,155	73.8	0	0.0	6,155	9.9	100.0
Indirect	0	0.0	42,460	78.6	42,460	68.1	0.0	100.0
Induced	2,190	26.2	11,568	21.4	13,758	22.1	15.9	84.1
Total	8,345	100	54,028	100	62,373	100	13.4	86.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 460: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Mississippi

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	7,914	65.6	0	0.0	7,914	8.3	100.0	0.0
Indirect	0	0.0	60,985	73.6	60,985	64.2	0.0	100.0
Induced	4,144	34.4	21,882	26.4	26,026	27.4	15.9	84.1
Total	12,058	100	82,867	100	94,925	100	12.7	87.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 461: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Mississippi

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	310	74.9	0	0.0	310	2.1	100.0	0.0
Indirect	0	0.0	10,979	78.0	10,979	75.7	0.0	100.0
Induced	104	25.1	3,105	22.0	3,209	22.1	3.2	96.8
Total	414	100	14,084	100	14,498	100	2.9	97.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 462: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Mississippi

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	367	65.4	0	0.0	367	1.8	100.0	0.0
Indirect	0	0.0	14,270	71.1	14,270	69.2	0.0	100.0
Induced	194	34.6	5,792	28.9	5,986	29.0	3.2	96.8
Total	561	100	20,062	100	20,623	100	2.7	97.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Missouri

NASA

Table 463: NASA Labor Income Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,156	64.6	0	0.0	1,156	3.6	100.0
Indirect	0	0.0	20,469	67.9	20,469	64.1	0.0	100.0
Induced	633	35.4	9,689	32.1	10,322	32.3	6.1	93.9
Total	1,789	100	30,158	100	31,947	100	5.6	94.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 464: NASA Value Added Impacts by Sources of Impact, Missouri

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,847	62.9	0	0.0	1,847	3.9	100.0
Indirect	0	0.0	28,002	62.7	28,002	58.8	0.0	100.0
Induced	1,091	37.1	16,686	37.3	17,777	37.3	6.1	93.9
Total	2,938	100	44,688	100	47,626	100	6.2	93.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 465: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Missouri

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	215	63.0	0	0.0	215	6.5	100.0
Indirect	0	0.0	2,006	67.2	2,006	60.3	0.0	100.0
Induced	126	37.0	978	32.8	1,104	33.2	11.4	88.6
Total	341	100	2,984	100	3,325	100	10.3	89.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 466: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Missouri

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	374	63.2	0	0.0	374	7.5	100.0	0.0
Indirect	0	0.0	2,713	61.7	2,713	54.4	0.0	100.0
Induced	218	36.8	1,685	38.3	1,903	38.1	11.5	88.5
Total	592	100	4,398	100	4,990	100	11.9	88.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 467: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Missouri

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	40	65.6	0	0.0	40	0.6	100.0	0.0
Indirect	0	0.0	4,574	68.6	4,574	68.0	0.0	100.0
Induced	21	34.4	2,092	31.4	2,113	31.4	1.0	99.0
Total	61	100	6,666	100	6,727	100	0.9	99.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 468: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Missouri

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	121	77.1	0	0.0	121	1.1	100.0	0.0
Indirect	0	0.0	7,170	66.6	7,170	65.6	0.0	100.0
Induced	36	22.9	3,595	33.4	3,631	33.2	1.0	99.0
Total	157	100	10,765	100	10,922	100	1.4	98.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Montana

NASA

Table 469: NASA Labor Income Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	185	69.5	0	0.0	185	2.4	100.0
Indirect	0	0.0	5,310	71.7	5,310	69.2	0.0	100.0
Induced	81	30.5	2,097	28.3	2,178	28.4	3.7	96.3
Total	266	100	7,407	100	7,673	100	3.5	96.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 470: NASA Value Added Impacts by Sources of Impact, Montana

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	354	72.5	0	0.0	354	3.2	100.0
Indirect	0	0.0	7,211	67.6	7,211	64.6	0.0	100.0
Induced	134	27.5	3,463	32.4	3,597	32.2	3.7	96.3
Total	488	100	10,674	100	11,162	100	4.4	95.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 471: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Montana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	593	71.1	593	71.1	0.0	100.0
Induced	0	n.a.	241	28.9	241	28.9	0.0	100.0
Total	0	n.a.	834	100	834	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 472: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Montana

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	901	69.5	901	69.5	0.0	100.0
Induced	0	n.a.	396	30.5	396	30.5	0.0	100.0
Total	0	n.a.	1,297	100	1,297	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 473: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Montana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	2,028	72.0	2,028	72.0	0.0	100.0
Induced	0	n.a.	790	28.0	790	28.0	0.0	100.0
Total	0	n.a.	2,818	100	2,818	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 474: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Montana

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	2,755	67.9	2,755	67.9	0.0	100.0
Induced	0	n.a.	1,301	32.1	1,301	32.1	0.0	100.0
Total	0	n.a.	4,056	100	4,056	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Nebraska

NASA

Table 475: NASA Labor Income Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	330	68.2	0	0.0	330	12.1	100.0
Indirect	0	0.0	1,628	72.4	1,628	59.5	0.0	100.0
Induced	154	31.8	622	27.6	776	28.4	19.8	80.2
Total	484	100	2,250	100	2,734	100	17.7	82.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 476: NASA Value Added Impacts by Sources of Impact, Nebraska

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	499	64.4	0	0.0	499	11.2	100.0
Indirect	0	0.0	2,579	69.9	2,579	57.8	0.0	100.0
Induced	276	35.6	1,111	30.1	1,387	31.1	19.9	80.1
Total	775	100	3,690	100	4,465	100	17.4	82.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 477: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nebraska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	16	66.7	0	0.0	16	27.1	100.0
Indirect	0	0.0	25	71.4	25	42.4	0.0	100.0
Induced	8	33.3	10	28.6	18	30.5	44.4	55.6
Total	24	100	35	100	59	100	40.7	59.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 478: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nebraska

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	37	71.2	0	0.0	37	33.6	100.0
Indirect	0	0.0	42	72.4	42	38.2	0.0	100.0
Induced	15	28.8	16	27.6	31	28.2	48.4	51.6
Total	52	100	58	100	110	100	47.3	52.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 479: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nebraska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	330	72.7	330	72.7	0.0	100.0
Induced	0	n.a.	124	27.3	124	27.3	0.0	100.0
Total	0	n.a.	454	100	454	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 480: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nebraska

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	519	70.1	519	70.1	0.0	100.0
Induced	0	n.a.	221	29.9	221	29.9	0.0	100.0
Total	0	n.a.	740	100	740	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Nevada

NASA

Table 481: NASA Labor Income Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,041	71.0	0	0.0	1,041	3.0	100.0
Indirect	0	0.0	24,419	74.5	24,419	71.3	0.0	100.0
Induced	426	29.0	8,340	25.5	8,766	25.6	4.9	95.1
Total	1,467	100	32,759	100	34,226	100	4.3	95.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 482: NASA Value Added Impacts by Sources of Impact, Nevada

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,499	64.2	0	0.0	1,499	2.9	100.0
Indirect	0	0.0	33,424	67.1	33,424	64.1	0.0	100.0
Induced	837	35.8	16,357	32.9	17,194	33.0	4.9	95.1
Total	2,336	100	49,781	100	52,117	100	4.5	95.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 483: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Nevada

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	1,167	72.8	1,167	72.8	0.0	100.0
Induced	0	n.a.	436	27.2	436	27.2	0.0	100.0
Total	0	n.a.	1,603	100	1,603	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 484: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Nevada

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	1,672	66.1	1,672	66.1	0.0	100.0
Induced	0	n.a.	856	33.9	856	33.9	0.0	100.0
Total	0	n.a.	2,528	100	2,528	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 485: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Nevada

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	235	71.9	0	0.0	235	8.7	100.0	0.0
Indirect	0	0.0	1,748	73.3	1,748	64.5	0.0	100.0
Induced	92	28.1	636	26.7	728	26.9	12.6	87.4
Total	327	100	2,384	100	2,711	100	12.1	87.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 486: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Nevada

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	371	67.2	0	0.0	371	8.3	100.0	0.0
Indirect	0	0.0	2,694	68.4	2,694	60.0	0.0	100.0
Induced	181	32.8	1,243	31.6	1,424	31.7	12.7	87.3
Total	552	100	3,937	100	4,489	100	12.3	87.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

New Hampshire

NASA

Table 487: NASA Labor Income Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	521	64.5	0	0.0	521	1.6	100.0
Indirect	0	0.0	21,688	67.1	21,688	65.5	0.0	100.0
Induced	287	35.5	10,618	32.9	10,905	32.9	2.6	97.4
Total	808	100	32,306	100	33,114	100	2.4	97.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 488: NASA Value Added Impacts by Sources of Impact, New Hampshire

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	712	59.4	0	0.0	712	1.4	100.0
Indirect	0	0.0	30,434	62.9	30,434	61.4	0.0	100.0
Induced	486	40.6	17,951	37.1	18,437	37.2	2.6	97.4
Total	1,198	100	48,385	100	49,583	100	2.4	97.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 489: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Hampshire

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1	62.8	0	0.0	1	0.1	100.0
Indirect	0	0.0	1,143	67.0	1,143	67.0	0.0	100.0
Induced	<1	37.2	563	33.0	563	33.0	0.1	99.9
Total	1	100	1,706	100	1,707	100.0	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 490: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Hampshire

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	1	50.0	0	0.0	1	0.0	100.0
Indirect	0	0.0	1,529	61.7	1,529	61.6	0.0	100.0
Induced	1	50.0	951	38.3	952	38.4	0.1	99.9
Total	2	100	2,480	100	2,482	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 491: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Hampshire

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	38	65.5	0	0.0	38	0.3	100.0
Indirect	0	0.0	8,573	67.4	8,573	67.1	0.0	100.0
Induced	20	34.5	4,152	32.6	4,172	32.6	0.5	99.5
Total	58	100	12,725	100	12,783	100	0.5	99.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 492: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Hampshire

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	50	59.5	0	0.0	50	0.3	100.0
Indirect	0	0.0	12,013	63.2	12,013	62.9	0.0	100.0
Induced	34	40.5	7,006	36.8	7,040	36.9	0.5	99.5
Total	84	100	19,019	100	19,103	100	0.4	99.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

New Jersey

NASA

Table 493: NASA Labor Income Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	2,389	62.9	0	0.0	2,389	5.5	100.0
Indirect	0	0.0	26,533	66.8	26,533	61.0	0.0	100.0
Induced	1,410	37.1	13,164	33.2	14,574	33.5	9.7	90.3
Total	3,799	100	39,697	100	43,496	100	8.7	91.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 494: NASA Value Added Impacts by Sources of Impact, New Jersey

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	3,355	59.0	0	0.0	3,355	5.0	100.0
Indirect	0	0.0	39,444	64.5	39,444	59.0	0.0	100.0
Induced	2,333	41.0	21,750	35.5	24,083	36.0	9.7	90.3
Total	5,688	100	61,194	100	66,882	100	8.5	91.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 495: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Jersey

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	165	60.7	0	0.0	165	2.3	100.0
Indirect	0	0.0	4,714	68.0	4,714	65.4	0.0	100.0
Induced	107	39.3	2,219	32.0	2,326	32.3	4.6	95.4
Total	272	100	6,933	100	7,205	100	3.8	96.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 496: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Jersey

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	360	67.7	0	0.0	360	2.4	100.0
Indirect	0	0.0	10,776	75.1	10,776	72.4	0.0	100.0
Induced	172	32.3	3,571	24.9	3,743	25.2	4.6	95.4
Total	532	100	14,347	100	14,879	100	3.6	96.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 497: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Jersey

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	537	63.9	0	0.0	537	8.0	100.0
Indirect	0	0.0	3,908	66.2	3,908	58.0	0.0	100.0
Induced	304	36.1	1,993	33.8	2,297	34.1	13.2	86.8
Total	841	100	5,901	100	6,742	100	12.5	87.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 498: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Jersey

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	684	57.7	0	0.0	684	6.9	100.0
Indirect	0	0.0	5,380	62.1	5,380	54.6	0.0	100.0
Induced	501	42.3	3,282	37.9	3,783	38.4	13.2	86.8
Total	1,185	100	8,662	100	9,847	100	12.0	88.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

New Mexico

NASA

Table 499: NASA Labor Income Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	13,103	72.9	0	0.0	13,103	25.0	100.0
Indirect	0	0.0	26,173	75.9	26,173	49.9	0.0	100.0
Induced	4,872	27.1	8,325	24.1	13,197	25.2	36.9	63.1
Total	17,975	100	34,498	100	52,473	100	34.3	65.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 500: NASA Value Added Impacts by Sources of Impact, New Mexico

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	16,422	63.7	0	0.0	16,422	19.8	100.0
Indirect	0	0.0	41,246	72.1	41,246	49.7	0.0	100.0
Induced	9,358	36.3	15,984	27.9	25,342	30.5	36.9	63.1
Total	25,780	100	57,230	100	83,010	100	31.1	68.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 501: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New Mexico

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	822	71.7	0	0.0	822	19.1	100.0
Indirect	0	0.0	2,375	75.1	2,375	55.1	0.0	100.0
Induced	325	28.3	789	24.9	1,114	25.8	29.2	70.8
Total	1,147	100	3,164	100	4,311	100	26.6	73.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 502: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New Mexico

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	1,081	63.5	0	0.0	1,081	17.2	100.0	0.0
Indirect	0	0.0	3,071	67.0	3,071	48.9	0.0	100.0
Induced	621	36.5	1,510	33.0	2,131	33.9	29.1	70.9
Total	1,702	100	4,581	100	6,283	100	27.1	72.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 503: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New Mexico

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	11	73.3	0	0.0	11	0.2	100.0	0.0
Indirect	0	0.0	3,415	75.1	3,415	74.9	0.0	100.0
Induced	4	26.7	1,131	24.9	1,135	24.9	0.4	99.6
Total	15	100	4,546	100	4,561	100	0.3	99.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 504: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New Mexico

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	15	68.2	0	0.0	15	0.2	100.0	0.0
Indirect	0	0.0	5,236	70.4	5,236	70.2	0.0	100.0
Induced	7	31.8	2,199	29.6	2,206	29.6	0.3	99.7
Total	22	100	7,435	100	7,457	100	0.3	99.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

New York

NASA

Table 505: NASA Labor Income Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	7,903	64.5	0	0.0	7,903	3.8	100.0
Indirect	0	0.0	132,796	67.3	132,796	63.3	0.0	100.0
Induced	4,353	35.5	64,588	32.7	68,941	32.9	6.3	93.7
Total	12,256	100	197,384	100	209,640	100	5.8	94.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 506: NASA Value Added Impacts by Sources of Impact, New York

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	9,961	56.8	0	0.0	9,961	3.1	100.0
Indirect	0	0.0	188,223	62.6	188,223	59.2	0.0	100.0
Induced	7,578	43.2	112,267	37.4	119,845	37.7	6.3	93.7
Total	17,539	100	300,490	100	318,029	100	5.5	94.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 507: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, New York

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	82	62.1	0	0.0	82	0.4	100.0
Indirect	0	0.0	12,730	69.2	12,730	68.7	0.0	100.0
Induced	50	37.9	5,665	30.8	5,715	30.8	0.9	99.1
Total	132	100	18,395	100	18,527	100	0.7	99.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 508: Moon to Mars Campaign Value Added Impacts by Sources of Impact, New York

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	203	70.2	0	0.0	203	0.7	100.0	0.0
Indirect	0	0.0	19,044	66.1	19,044	65.5	0.0	100.0
Induced	86	29.8	9,760	33.9	9,846	33.8	0.9	99.1
Total	289	100	28,804	100	29,093	100	1.0	99.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 509: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, New York

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,602	65.8	0	0.0	3,602	8.0	100.0	0.0
Indirect	0	0.0	26,587	67.7	26,587	59.4	0.0	100.0
Induced	1,874	34.2	12,704	32.3	14,578	32.6	12.9	87.1
Total	5,476	100	39,291	100	44,767	100	12.2	87.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 510: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, New York

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	3,892	54.4	0	0.0	3,892	5.8	100.0	0.0
Indirect	0	0.0	37,737	63.1	37,737	56.3	0.0	100.0
Induced	3,264	45.6	22,087	36.9	25,351	37.8	12.9	87.1
Total	7,156	100	59,824	100	66,980	100	10.7	89.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

North Carolina

NASA

Table 511: NASA Labor Income Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	5,439	66.5	0	0.0	5,439	8.6	100.0	0.0
Indirect	0	0.0	37,853	68.7	37,853	59.8	0.0	100.0
Induced	2,739	33.5	17,223	31.3	19,962	31.6	13.7	86.3
Total	8,178	100	55,076	100	63,254	100	12.9	87.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 512: NASA Value Added Impacts by Sources of Impact, North Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	7,192	58.9	0	0.0	7,192	7.3	100.0	0.0
Indirect	0	0.0	55,430	63.8	55,430	55.9	0.0	100.0
Induced	5,013	41.1	31,506	36.2	36,519	36.8	13.7	86.3
Total	12,205	100	86,936	100	99,141	100	12.3	87.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 513: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	844	65.1	0	0.0	844	33.8	100.0	0.0
Indirect	0	0.0	825	68.7	825	33.0	0.0	100.0
Induced	453	34.9	376	31.3	829	33.2	54.6	45.4
Total	1,297	100	1,201	100	2,498	100	51.9	48.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 514: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	881	51.2	0	0.0	881	23.6	100.0	0.0
Indirect	0	0.0	1,314	65.4	1,314	35.2	0.0	100.0
Induced	839	48.8	696	34.6	1,535	41.2	54.7	45.3
Total	1,720	100	2,010	100	3,730	100	46.1	53.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 515: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	722	67.2	0	0.0	722	4.1	100.0	0.0
Indirect	0	0.0	11,614	69.4	11,614	65.2	0.0	100.0
Induced	352	32.8	5,112	30.6	5,464	30.7	6.4	93.6
Total	1,074	100	16,726	100	17,800	100	6.0	94.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 516: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,047	62.1	0	0.0	1,047	3.7	100.0	0.0
Indirect	0	0.0	17,191	65.0	17,191	61.1	0.0	100.0
Induced	639	37.9	9,272	35.0	9,911	35.2	6.4	93.6
Total	1,686	100	26,463	100	28,149	100	6.0	94.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

North Dakota

NASA

Table 517: NASA Labor Income Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	168	71.8	0	0.0	168	7.6	100.0
Indirect	0	0.0	1,460	73.5	1,460	65.8	0.0	100.0
Induced	66	28.2	526	26.5	592	26.7	11.1	88.9
Total	234	100	1,986	100	2,220	100	10.5	89.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 518: NASA Value Added Impacts by Sources of Impact, North Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	215	65.7	0	0.0	215	6.6	100.0
Indirect	0	0.0	2,035	69.6	2,035	62.6	0.0	100.0
Induced	112	34.3	890	30.4	1,002	30.8	11.2	88.8
Total	327	100	2,925	100	3,252	100	10.1	89.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 519: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, North Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	n.a.	0	n.a.	n.a.
Indirect	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.
Induced	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.
Total	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 520: Moon to Mars Campaign Value Added Impacts by Sources of Impact, North Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.
Indirect	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.
Induced	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.
Total	0	n.a.	0	n.a.	0	n.a.	n.a.	n.a.

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 521: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, North Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	262	73.4	262	73.4	0.0	100.0
Induced	0	n.a.	95	26.6	95	26.6	0.0	100.0
Total	0	n.a.	357	100	357	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 522: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, North Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	372	69.9	372	69.9	0.0	100.0
Induced	0	n.a.	160	30.1	160	30.1	0.0	100.0
Total	0	n.a.	532	100	532	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Ohio

NASA

Table 523: NASA Labor Income Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	261,273	62.5	0	0.0	261,273	31.3	100.0
Indirect	0	0.0	276,639	66.3	276,639	33.1	0.0	100.0
Induced	156,508	37.5	140,459	33.7	296,967	35.6	52.7	47.3
Total	417,781	100	417,098	100	834,879	100	50.0	50.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 524: NASA Value Added Impacts by Sources of Impact, Ohio

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	325,882	53.6	0	0.0	325,882	26.0	100.0
Indirect	0	0.0	393,679	60.9	393,679	31.4	0.0	100.0
Induced	282,122	46.4	252,964	39.1	535,086	42.6	52.7	47.3
Total	608,004	100	646,643	100	1,254,647	100	48.5	51.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 525: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Ohio

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	33,113	61.0	0	0.0	33,113	32.7	100.0
Indirect	0	0.0	30,786	65.4	30,786	30.4	0.0	100.0
Induced	21,203	39.0	16,306	34.6	37,509	37.0	56.5	43.5
Total	54,316	100	47,092	100	101,408	100	53.6	46.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 526: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Ohio

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	42,186	52.5	0	0.0	42,186	27.5	100.0	0.0
Indirect	0	0.0	43,888	60.0	43,888	28.6	0.0	100.0
Induced	38,132	47.5	29,306	40.0	67,438	43.9	56.5	43.5
Total	80,318	100	73,194	100	153,512	100	52.3	47.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 527: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Ohio

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	40,394	63.3	0	0.0	40,394	29.1	100.0	0.0
Indirect	0	0.0	49,990	66.6	49,990	36.0	0.0	100.0
Induced	23,388	36.7	25,034	33.4	48,422	34.9	48.3	51.7
Total	63,782	100	75,024	100	138,806	100	46.0	54.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 528: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Ohio

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	52,103	55.2	0	0.0	52,103	24.9	100.0	0.0
Indirect	0	0.0	69,631	60.6	69,631	33.3	0.0	100.0
Induced	42,257	44.8	45,190	39.4	87,447	41.8	48.3	51.7
Total	94,360	100	114,821	100	209,181	100	45.1	54.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Oklahoma

NASA

Table 529: NASA Labor Income Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,243	70.5	0	0.0	1,243	2.5	100.0
Indirect	0	0.0	35,807	75.9	35,807	73.2	0.0	100.0
Induced	520	29.5	11,376	24.1	11,896	24.3	4.4	95.6
Total	1,763	100	47,183	100	48,946	100	3.6	96.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 530: NASA Value Added Impacts by Sources of Impact, Oklahoma

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,942	68.2	0	0.0	1,942	2.7	100.0
Indirect	0	0.0	48,396	70.9	48,396	68.1	0.0	100.0
Induced	906	31.8	19,821	29.1	20,727	29.2	4.4	95.6
Total	2,848	100	68,217	100	71,065	100	4.0	96.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 531: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oklahoma

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	157	68.9	0	0.0	157	33.3	100.0
Indirect	0	0.0	180	73.8	180	38.1	0.0	100.0
Induced	71	31.1	64	26.2	135	28.6	52.6	47.4
Total	228	100	244	100	472	100	48.3	51.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 532: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oklahoma

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	213	63.2	0	0.0	213	30.2	100.0
Indirect	0	0.0	257	69.8	257	36.5	0.0	100.0
Induced	124	36.8	111	30.2	235	33.3	52.8	47.2
Total	337	100	368	100	705	100	47.8	52.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 533: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oklahoma

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	63	70.8	0	0.0	63	0.2	100.0
Indirect	0	0.0	18,342	72.7	18,342	72.5	0.0	100.0
Induced	26	29.2	6,872	27.3	6,898	27.3	0.4	99.6
Total	89	100	25,214	100	25,303	100	0.4	99.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 534: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oklahoma

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	136	75.1	0	0.0	136	0.4	100.0
Indirect	0	0.0	25,573	68.3	25,573	68.0	0.0	100.0
Induced	45	24.9	11,857	31.7	11,902	31.6	0.4	99.6
Total	181	100	37,430	100	37,611	100	0.5	99.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Oregon

NASA

Table 535: NASA Labor Income Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,203	65.3	0	0.0	1,203	10.0	100.0
Indirect	0	0.0	6,882	67.9	6,882	57.5	0.0	100.0
Induced	639	34.7	3,253	32.1	3,892	32.5	16.4	83.6
Total	1,842	100	10,135	100	11,977	100	15.4	84.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 536: NASA Value Added Impacts by Sources of Impact, Oregon

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,399	56.4	0	0.0	1,399	5.3	100.0
Indirect	0	0.0	16,088	67.3	16,088	61.0	0.0	100.0
Induced	1,083	43.6	7,809	32.7	8,892	33.7	12.2	87.8
Total	2,482	100	23,897	100	26,379	100	9.4	90.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 537: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Oregon

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	51	63.8	0	0.0	51	3.8	100.0
Indirect	0	0.0	862	69.0	862	64.8	0.0	100.0
Induced	29	36.3	388	31.0	417	31.4	7.0	93.0
Total	80	100	1,250	100	1,330	100	6.0	94.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 538: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Oregon

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	87	64.0	0	0.0	87	3.6	100.0
Indirect	0	0.0	1,637	71.4	1,637	67.4	0.0	100.0
Induced	49	36.0	657	28.6	706	29.1	6.9	93.1
Total	136	100	2,294	100	2,430	100	5.6	94.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 539: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Oregon

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	131	66.2	0	0.0	131	1.6	100.0
Indirect	0	0.0	5,561	68.1	5,561	66.5	0.0	100.0
Induced	67	33.8	2,607	31.9	2,674	32.0	2.5	97.5
Total	198	100	8,168	100	8,366	100	2.4	97.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 540: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Oregon

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	172	60.4	0	0.0	172	1.2	100.0
Indirect	0	0.0	9,176	67.5	9,176	66.2	0.0	100.0
Induced	113	39.6	4,409	32.5	4,522	32.6	2.5	97.5
Total	285	100	13,585	100	13,870	100	2.1	97.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Pennsylvania

NASA

Table 541: NASA Labor Income Impacts by Sources of Impact, Pennsylvania

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	5,665	60.4	0	0.0	5,665	3.9	100.0
Indirect	0	0.0	86,974	63.7	86,974	59.6	0.0	100.0
Induced	3,718	39.6	49,530	36.3	53,248	36.5	7.0	93.0
Total	9,383	100	136,504	100	145,887	100	6.4	93.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 542: NASA Value Added Impacts by Sources of Impact, Pennsylvania

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	7,372	54.8	0	0.0	7,372	3.5	100.0
Indirect	0	0.0	117,037	59.1	117,037	55.3	0.0	100.0
Induced	6,091	45.2	81,063	40.9	87,154	41.2	7.0	93.0
Total	13,463	100	198,100	100	211,563	100	6.4	93.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 543: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Pennsylvania

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	189	58.2	0	0.0	189	0.2	100.0
Indirect	0	0.0	50,349	62.2	50,349	62.0	0.0	100.0
Induced	136	41.8	30,560	37.8	30,696	37.8	0.4	99.6
Total	325	100	80,909	100	81,234	100	0.4	99.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 544: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Pennsylvania

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	340	60.8	0	0.0	340	0.3	100.0	0.0
Indirect	0	0.0	66,694	57.6	66,694	57.3	0.0	100.0
Induced	219	39.2	49,161	42.4	49,380	42.4	0.4	99.6
Total	559	100	115,855	100	116,414	100	0.5	99.5

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 545: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Pennsylvania

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,153	61.4	0	0.0	1,153	5.5	100.0	0.0
Indirect	0	0.0	12,131	63.8	12,131	58.1	0.0	100.0
Induced	726	38.6	6,887	36.2	7,613	36.4	9.5	90.5
Total	1,879	100	19,018	100	20,897	100	9.0	91.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 546: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Pennsylvania

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	1,507	55.8	0	0.0	1,507	5.0	100.0	0.0
Indirect	0	0.0	16,441	59.3	16,441	54.0	0.0	100.0
Induced	1,192	44.2	11,296	40.7	12,488	41.0	9.5	90.5
Total	2,699	100	27,737	100	30,436	100	8.9	91.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Rhode Island

NASA

Table 547: NASA Labor Income Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	181	66.5	0	0.0	181	3.3	100.0
Indirect	0	0.0	3,644	68.8	3,644	65.5	0.0	100.0
Induced	91	33.5	1,650	31.2	1,741	31.3	5.2	94.8
Total	272	100	5,294	100	5,566	100	4.9	95.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 548: NASA Value Added Impacts by Sources of Impact, Rhode Island

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	213	57.0	0	0.0	213	2.5	100.0
Indirect	0	0.0	5,217	64.3	5,217	61.4	0.0	100.0
Induced	161	43.0	2,899	35.7	3,060	36.0	5.3	94.7
Total	374	100	8,116	100	8,490	100	4.4	95.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 549: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Rhode Island

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	1,472	67.5	1,472	67.5	0.0	100.0
Induced	0	n.a.	708	32.5	708	32.5	0.0	100.0
Total	0	n.a.	2,180	100	2,180	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 550: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Rhode Island

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	2,081	62.9	2,081	62.9	0.0	100.0
Induced	0	n.a.	1,225	37.1	1,225	37.1	0.0	100.0
Total	0	n.a.	3,306	100	3,306	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 551: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Rhode Island

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	824	69.4	824	69.4	0.0	100.0
Induced	0	n.a.	364	30.6	364	30.6	0.0	100.0
Total	0	n.a.	1,188	100	1,188	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 552: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Rhode Island

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	1,197	65.2	1,197	65.2	0.0	100.0
Induced	0	n.a.	639	34.8	639	34.8	0.0	100.0
Total	0	n.a.	1,836	100	1,836	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

South Carolina

NASA

Table 553: NASA Labor Income Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,729	70.7	0	0.0	1,729	11.2	100.0
Indirect	0	0.0	9,506	73.5	9,506	61.8	0.0	100.0
Induced	715	29.3	3,436	26.5	4,151	27.0	17.2	82.8
Total	2,444	100	12,942	100	15,386	100	15.9	84.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 554: NASA Value Added Impacts by Sources of Impact, South Carolina

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,922	59.9	0	0.0	1,922	8.7	100.0
Indirect	0	0.0	12,590	67.1	12,590	57.3	0.0	100.0
Induced	1,286	40.1	6,173	32.9	7,459	33.9	17.2	82.8
Total	3,208	100	18,763	100	21,971	100	14.6	85.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 555: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	71	71.0	71	71.0	0.0	100.0
Induced	0	n.a.	29	29.0	29	29.0	0.0	100.0
Total	0	n.a.	100	100	100	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 556: Moon to Mars Campaign Value Added Impacts by Sources of Impact South Carolina

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	103	66.9	103	66.9	0.0	100.0
Induced	0	n.a.	51	33.1	51	33.1	0.0	100.0
Total	0	n.a.	154	100	154	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 557: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	140	71.4	0	0.0	140	9.3	100.0	0.0
Indirect	0	0.0	962	73.5	962	63.9	0.0	100.0
Induced	56	28.6	347	26.5	403	26.8	13.9	86.1
Total	196	100	1,309	100	1,505	100	13.0	87.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 558: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Carolina

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	152	60.3	0	0.0	152	6.6	100.0	0.0
Indirect	0	0.0	1,426	69.6	1,426	62.0	0.0	100.0
Induced	100	39.7	623	30.4	723	31.4	13.8	86.2
Total	252	100	2,049	100	2,301	100	11.0	89.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

South Dakota

NASA

Table 559: NASA Labor Income Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	174	69.3	0	0.0	174	1.6	100.0
Indirect	0	0.0	7,884	75.1	7,884	73.3	0.0	100.0
Induced	77	30.7	2,618	24.9	2,695	25.1	2.9	97.1
Total	251	100	10,502	100	10,753	100	2.3	97.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 560: NASA Value Added Impacts by Sources of Impact, South Dakota

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	317	69.7	0	0.0	317	1.8	100.0
Indirect	0	0.0	12,362	72.5	12,362	70.7	0.0	100.0
Induced	138	30.3	4,678	27.5	4,816	27.5	2.9	97.1
Total	455	100	17,040	100	17,495	100	2.6	97.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 561: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, South Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	12	66.7	0	0.0	12	2.6	100.0
Indirect	0	0.0	327	72.7	327	69.9	0.0	100.0
Induced	6	33.3	123	27.3	129	27.6	4.7	95.3
Total	18	100	450	100	468	100	3.8	96.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 562: Moon to Mars Campaign Value Added Impacts by Sources of Impact, South Dakota

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	19	65.5	0	0.0	19	2.5	100.0
Indirect	0	0.0	521	70.4	521	67.8	0.0	100.0
Induced	10	34.5	219	29.6	229	29.8	4.4	95.6
Total	29	100	740	100	769	100	3.8	96.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 563: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, South Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	8	66.7	0	0	8	0.1	100
Indirect	0	0	5,259	74.7	5,259	74.6	0	100
Induced	4	33.3	1,782	25.3	1,786	25.3	0.2	99.8
Total	12	100	7,041	100	7,053	100	0.2	99.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 564: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, South Dakota

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	13	68.4	0	0	13	0.1	100
Indirect	0	0	8,132	71.9	8,132	71.8	0	100
Induced	6	31.6	3,172	28.1	3,178	28.1	0.2	99.8
Total	19	100	11,304	100	11,323	100	0.2	99.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Tennessee

NASA

Table 565: NASA Labor Income Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	13,518	64.2	0	0.0	13,518	11.4	100.0
Indirect	0	0.0	67,389	68.9	67,389	56.7	0.0	100.0
Induced	7,542	35.8	30,370	31.1	37,912	31.9	19.9	80.1
Total	21,060	100	97,759	100	118,819	100	17.7	82.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 566: NASA Value Added Impacts by Sources of Impact, Tennessee

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	15,961	56.0	0	0.0	15,961	8.8	100.0
Indirect	0	0.0	102,907	67.1	102,907	56.6	0.0	100.0
Induced	12,535	44.0	50,428	32.9	62,963	34.6	19.9	80.1
Total	28,496	100	153,335	100	181,831	100	15.7	84.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 567: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Tennessee

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	2,578	62.7	0	0.0	2,578	48.9	100.0
Indirect	0	0.0	794	68.4	794	15.1	0.0	100.0
Induced	1,532	37.3	367	31.6	1,899	36.0	80.7	19.3
Total	4,110	100	1,161	100	5,271	100	78.0	22.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 568: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Tennessee

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	3,071	54.6	0	0.0	3,071	41.6	100.0
Indirect	0	0.0	1,149	65.3	1,149	15.6	0.0	100.0
Induced	2,551	45.4	611	34.7	3,162	42.8	80.7	19.3
Total	5,622	100	1,760	100	7,382	100	76.2	23.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 569: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Tennessee

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	356	64.7	0	0.0	356	1.9	100.0
Indirect	0	0.0	12,877	69.4	12,877	67.4	0.0	100.0
Induced	194	35.3	5,669	30.6	5,863	30.7	3.3	96.7
Total	550	100	18,546	100	19,096	100	2.9	97.1

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 570: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Tennessee

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	479	59.9	0	0.0	479	1.6	100.0
Indirect	0	0.0	19,727	67.8	19,727	66.0	0.0	100.0
Induced	321	40.1	9,380	32.2	9,701	32.4	3.3	96.7
Total	800	100	29,107	100	29,907	100	2.7	97.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Texas

NASA

Table 571: NASA Labor Income Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	573,109	62.5	0	0.0	573,109	17.7	100.0	0.0
Indirect	0	0.0	1,531,224	66.0	1,531,224	47.3	0.0	100.0
Induced	343,883	37.5	790,214	34.0	1,134,097	35.0	30.3	69.7
Total	916,992	100	2,321,438	100	3,238,430	100	28.3	71.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 572: NASA Value Added Impacts by Sources of Impact, Texas

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	627,858	51.8	0	0.0	627,858	13.0	100.0	0.0
Indirect	0	0.0	2,287,199	63.0	2,287,199	47.2	0.0	100.0
Induced	584,145	48.2	1,341,496	37.0	1,925,641	39.8	30.3	69.7
Total	1,212,003	100	3,628,695	100	4,840,698	100	25.0	75.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 573: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Texas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	135,789	61.2	0	0.0	135,789	12.1	100.0	0.0
Indirect	0	0.0	584,530	65.1	584,530	52.2	0.0	100.0
Induced	85,923	38.8	313,854	34.9	399,777	35.7	21.5	78.5
Total	221,712	100	898,384	100	1,120,096	100	19.8	80.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 574: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Texas

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	150,375	50.7	0	0.0	150,375	8.8	100.0	0.0
Indirect	0	0.0	870,150	62.0	870,150	51.1	0.0	100.0
Induced	146,379	49.3	534,379	38.0	680,758	40.0	21.5	78.5
Total	296,754	100	1,404,529	100	1,701,283	100	17.4	82.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 575: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Texas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,376	62.5	0	0.0	2,376	4.7	100.0	0.0
Indirect	0	0.0	30,652	66.0	30,652	61.0	0.0	100.0
Induced	1,427	37.5	15,764	34.0	17,191	34.2	8.3	91.7
Total	3,803	100	46,416	100	50,219	100	7.6	92.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 576: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Texas

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	2,787	52.9	0	0.0	2,787	3.5	100.0	0.0
Indirect	0	0.0	46,346	62.9	46,346	58.7	0.0	100.0
Induced	2,480	47.1	27,365	37.1	29,845	37.8	8.3	91.7
Total	5,267	100	73,711	100	78,978	100	6.7	93.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Utah

NASA

Table 577: NASA Labor Income Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,308	66.1	0	0.0	1,308	0.4	100.0
Indirect	0	0.0	211,883	69.0	211,883	68.5	0.0	100.0
Induced	670	33.9	95,401	31.0	96,071	31.1	0.7	99.3
Total	1,978	100	307,284	100	309,262	100	0.6	99.4

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 578: NASA Value Added Impacts by Sources of Impact, Utah

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,511	54.9	0	0.0	1,511	0.3	100.0
Indirect	0	0.0	308,237	63.6	308,237	63.2	0.0	100.0
Induced	1,239	45.1	176,463	36.4	177,702	36.5	0.7	99.3
Total	2,750	100	484,700	100	487,450	100	0.6	99.4

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 579: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Utah

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	817	64.8	0	0.0	817	0.3	100.0
Indirect	0	0.0	198,930	68.3	198,930	68.0	0.0	100.0
Induced	444	35.2	92,489	31.7	92,933	31.8	0.5	99.5
Total	1,261	100	291,419	100	292,680	100	0.4	99.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 580: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Utah

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	943	53.5	0	0.0	943	0.2	100.0
Indirect	0	0.0	287,596	62.8	287,596	62.6	0.0	100.0
Induced	818	46.5	170,217	37.2	171,035	37.2	0.5	99.5
Total	1,761	100	457,813	100	459,574	100	0.4	99.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 581: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Utah

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	55	67.1	0	0.0	55	0.5	100.0
Indirect	0	0.0	7,106	70.8	7,106	70.2	0.0	100.0
Induced	27	32.9	2,928	29.2	2,955	29.2	0.9	99.1
Total	82	100	10,034	100	10,116	100	0.8	99.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 582: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Utah

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	75	60.0	0	0.0	75	0.5	100.0
Indirect	0	0.0	9,173	62.9	9,173	62.3	0.0	100.0
Induced	50	40.0	5,421	37.1	5,471	37.2	0.9	99.1
Total	125	100	14,594	100	14,719	100	0.8	99.2

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Vermont

NASA

Table 583: NASA Labor Income Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	274	67.3	0	0.0	274	10.1	100.0
Indirect	0	0.0	1,600	69.7	1,600	59.2	0.0	100.0
Induced	133	32.7	697	30.3	830	30.7	16.0	84.0
Total	407	100	2,297	100	2,704	100	15.1	84.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 584: NASA Value Added Impacts by Sources of Impact, Vermont

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	379	62.7	0	0.0	379	9.6	100.0
Indirect	0	0.0	2,174	64.9	2,174	55.0	0.0	100.0
Induced	225	37.3	1,178	35.1	1,403	35.5	16.0	84.0
Total	604	100	3,352	100	3,956	100	15.3	84.7

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 585: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Vermont

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	0	n.a.	0	0.0	0	0.0	n.a.
Indirect	0	n.a.	220	70.1	220	70.1	0.0	100.0
Induced	0	n.a.	94	29.9	94	29.9	0.0	100.0
Total	0	n.a.	314	100	314	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 586: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Vermont

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	350	68.9	350	68.9	0.0	100.0
Induced	0	n.a.	158	31.1	158	31.1	0.0	100.0
Total	0	n.a.	508	100	508	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 587: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Vermont

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	470	69.9	470	69.9	0.0	100.0
Induced	0	n.a.	202	30.1	202	30.1	0.0	100.0
Total	0	n.a.	672	100	672	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 588: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Vermont

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	631	65.0	631	65.0	0.0	100.0
Induced	0	n.a.	340	35.0	340	35.0	0.0	100.0
Total	0	n.a.	971	100	971	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Virginia

NASA

Table 589: NASA Labor Income Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	450,864	68.8	0	0.0	450,864	18.1	100.0	0.0
Indirect	0	0.0	1,312,428	71.7	1,312,428	52.8	0.0	100.0
Induced	204,596	31.2	518,125	28.3	722,721	29.1	28.3	71.7
Total	655,460	100	1,830,553	100	2,486,013	100	26.4	73.6

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 590: NASA Value Added Impacts by Sources of Impact, Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	527,442	58.1	0	0.0	527,442	14.2	100.0	0.0
Indirect	0	0.0	1,855,527	65.9	1,855,527	49.8	0.0	100.0
Induced	379,796	41.9	960,655	34.1	1,340,451	36.0	28.3	71.7
Total	907,238	100	2,816,182	100	3,723,420	100	24.4	75.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 591: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	17,652	67.2	0	0.0	17,652	6.7	100.0	0.0
Indirect	0	0.0	172,393	72.9	172,393	65.6	0.0	100.0
Induced	8,609	32.8	64,008	27.1	72,617	27.6	11.9	88.1
Total	26,261	100	236,401	100	262,662	100	10.0	90.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 592: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	20,981	56.7	0	0.0	20,981	4.9	100.0	0.0
Indirect	0	0.0	269,189	69.3	269,189	63.3	0.0	100.0
Induced	16,029	43.3	119,051	30.7	135,080	31.8	11.9	88.1
Total	37,010	100	388,240	100	425,250	100	8.7	91.3

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 593: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	93,026	69.6	0	0.0	93,026	31.1	100.0	0.0
Indirect	0	0.0	118,227	71.5	118,227	39.6	0.0	100.0
Induced	40,601	30.4	47,033	28.5	87,634	29.3	46.3	53.7
Total	133,627	100	165,260	100	298,887	100	44.7	55.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 594: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	114,935	60.5	0	0.0	114,935	26.1	100.0	0.0
Indirect	0	0.0	163,656	65.3	163,656	37.1	0.0	100.0
Induced	75,149	39.5	86,978	34.7	162,127	36.8	46.4	53.6
Total	190,084	100	250,634	100	440,718	100	43.1	56.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Washington

NASA

Table 595: NASA Labor Income Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	3,356	66.2	0	0.0	3,356	0.9	100.0	0.0
Indirect	0	0.0	263,780	68.5	263,780	67.6	0.0	100.0
Induced	1,717	33.8	121,493	31.5	123,210	31.6	1.4	98.6
Total	5,073	100	385,273	100	390,346	100	1.3	98.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 596: NASA Value Added Impacts by Sources of Impact, Washington

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	4,061	57.0	0	0.0	4,061	0.6	100.0	0.0
Indirect	0	0.0	426,681	66.4	426,681	65.6	0.0	100.0
Induced	3,060	43.0	216,353	33.6	219,413	33.7	1.4	98.6
Total	7,121	100	643,034	100	650,155	100	1.1	98.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 597: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	265	64.8	0	0.0	265	0.1	100.0	0.0
Indirect	0	0.0	236,103	67.8	236,103	67.7	0.0	100.0
Induced	144	35.2	112,134	32.2	112,278	32.2	0.1	99.9
Total	409	100	348,237	100	348,646	100	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 598: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	260	50.4	0	0.0	260	0.0	100.0	0.0
Indirect	0	0.0	381,303	65.6	381,303	65.6	0.0	100.0
Induced	256	49.6	199,799	34.4	200,055	34.4	0.1	99.9
Total	516	100	581,102	100	581,618	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 599: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	21	67.7	0	0.0	21	0.1	100.0	0.0
Indirect	0	0.0	13,980	69.1	13,980	69.0	0.0	100.0
Induced	10	32.3	6,263	30.9	6,273	30.9	0.2	99.8
Total	31	100	20,243	100	20,274	100	0.2	99.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 600: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	32	64.0	0	0.0	32	0.1	100.0	0.0
Indirect	0	0.0	22,592	66.9	22,592	66.8	0.0	100.0
Induced	18	36.0	11,162	33.1	11,180	33.1	0.2	99.8
Total	50	100	33,754	100	33,804	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Washington, D.C.

NASA

Table 601: NASA Labor Income Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	57,489	84.0	0	0.0	57,489	24.0	100.0	0.0
Indirect	0	0.0	143,220	83.6	143,220	59.7	0.0	100.0
Induced	10,933	16.0	28,089	16.4	39,022	16.3	28.0	72.0
Total	68,422	100	171,309	100	239,731	100	28.5	71.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 602: NASA Value Added Impacts by Sources of Impact, Washington, D.C.

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
Direct	63,766	79.4	0	0.0	63,766	21.3	100.0	0.0
Indirect	0	0.0	175,960	80.6	175,960	58.9	0.0	100.0
Induced	16,574	20.6	42,477	19.4	59,051	19.8	28.1	71.9
Total	80,340	100	218,437	100	298,777	100	26.9	73.1

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 603: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Washington, D.C.

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	897	82.6	0	0.0	897	8.3	100.0	0.0
Indirect	0	0.0	8,019	82.0	8,019	73.8	0.0	100.0
Induced	189	17.4	1,762	18.0	1,951	18.0	9.7	90.3
Total	1,086	100	9,781	100	10,867	100	10.0	90.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 604: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Washington, D.C.

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	948	76.9	0	0.0	948	7.0	100.0
Indirect	0	0.0	9,616	78.4	9,616	71.2	0.0	100.0
Induced	285	23.1	2,649	21.6	2,934	21.7	9.7	90.3
Total	1,233	100	12,265	100	13,498	100	9.1	90.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 605: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Washington, D.C.

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	6,548	84.9	0	0.0	6,548	24.5	100.0
Indirect	0	0.0	16,119	84.6	16,119	60.2	0.0	100.0
Induced	1,169	15.1	2,940	15.4	4,109	15.3	28.4	71.6
Total	7,717	100	19,059	100	26,776	100	28.8	71.2

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 606: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Washington, D.C.

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	7,307	80.5	0	0.0	7,307	21.8	100.0
Indirect	0	0.0	19,973	81.8	19,973	59.6	0.0	100.0
Induced	1,771	19.5	4,439	18.2	6,210	18.5	28.5	71.5
Total	9,078	100	24,412	100	33,490	100	27.1	72.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

West Virginia

NASA

Table 607: NASA Labor Income Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	10,571	72.1	0	0.0	10,571	22.1	100.0
Indirect	0	0.0	24,490	74.0	24,490	51.3	0.0	100.0
Induced	4,094	27.9	8,616	26.0	12,710	26.6	32.2	67.8
Total	14,665	100	33,106	100	47,771	100	30.7	69.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 608: NASA Value Added Impacts by Sources of Impact, West Virginia

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	12,856	64.6	0	0.0	12,856	18.3	100.0
Indirect	0	0.0	35,418	70.5	35,418	50.5	0.0	100.0
Induced	7,030	35.4	14,789	29.5	21,819	31.1	32.2	67.8
Total	19,886	100	50,207	100	70,093	100	28.4	71.6

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 609: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, West Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	2	66.7	0	0.0	2	0.1	100.0
Indirect	0	0.0	2,807	73.1	2,807	73.0	0.0	100.0
Induced	1	33.3	1,033	26.9	1,034	26.9	0.1	99.9
Total	3	100	3,840	100	3,843	100	0.1	99.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 610: Moon to Mars Campaign Value Added Impacts by Sources of Impact, West Virginia

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	6	85.7	0	0.0	6	0.1	100.0
Indirect	0	0.0	4,173	70.2	4,173	70.1	0.0	100.0
Induced	1	14.3	1,770	29.8	1,771	29.8	0.1	99.9
Total	7	100	5,943	100	5,950	100	0.1	99.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 611: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, West Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	213	72.7	0	0.0	213	6.8	100.0
Indirect	0	0.0	2,117	74.0	2,117	67.1	0.0	100.0
Induced	80	27.3	743	26.0	823	26.1	9.7	90.3
Total	293	100	2,860	100	3,153	100	9.3	90.7

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 612: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, West Virginia

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	214	60.8	0	0.0	214	4.4	100.0
Indirect	0	0.0	3,229	71.6	3,229	66.4	0.0	100.0
Induced	138	39.2	1,281	28.4	1,419	29.2	9.7	90.3
Total	352	100	4,510	100	4,862	100	7.2	92.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Wisconsin

NASA

Table 613: NASA Labor Income Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	880	64.2	0	0.0	880	4.9	100.0
Indirect	0	0.0	11,344	68.8	11,344	63.5	0.0	100.0
Induced	490	35.8	5,150	31.2	5,640	31.6	8.7	91.3
Total	1,370	100	16,494	100	17,864	100	7.7	92.3

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 614: NASA Value Added Impacts by Sources of Impact, Wisconsin

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	1,720	67.1	0	0.0	1,720	6.1	100.0
Indirect	0	0.0	16,764	65.4	16,764	59.4	0.0	100.0
Induced	845	32.9	8,873	34.6	9,718	34.5	8.7	91.3
Total	2,565	100	25,637	100	28,202	100	9.1	90.9

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 615: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wisconsin

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	209	62.6	0	0.0	209	14.4	100.0
Indirect	0	0.0	738	66.2	738	50.9	0.0	100.0
Induced	125	37.4	377	33.8	502	34.6	24.9	75.1
Total	334	100	1,115	100	1,449	100	23.1	76.9

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 616: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wisconsin

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	215	50.0	0	0.0	215	10.0	100.0
Indirect	0	0.0	1,071	62.3	1,071	49.8	0.0	100.0
Induced	215	50.0	649	37.7	864	40.2	24.9	75.1
Total	430	100	1,720	100	2,150	100	20.0	80.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 617: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wisconsin

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
	Direct	66	65.3	0	0.0	66	0.9	100.0
Indirect	0	0.0	4,637	67.6	4,637	66.6	0.0	100.0
Induced	35	34.7	2,222	32.4	2,257	32.4	1.6	98.4
Total	101	100	6,859	100	6,960	100	1.5	98.5

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 618: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wisconsin

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
	Direct	177	74.4	0	0.0	177	1.6	100.0
Indirect	0	0.0	6,826	64.1	6,826	62.7	0.0	100.0
Induced	61	25.6	3,824	35.9	3,885	35.7	1.6	98.4
Total	238	100	10,650	100	10,888	100	2.2	97.8

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Wyoming

NASA

Table 619: NASA Labor Income Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	259	81.7	0	0.0	259	11.6	100.0
Indirect	0	0.0	1,591	83.0	1,591	71.2	0.0	100.0
Induced	58	18.3	325	17.0	383	17.2	15.1	84.9
Total	317	100	1,916	100	2,233	100	14.2	85.8

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 620: NASA Value Added Impacts by Sources of Impact, Wyoming

Type of Impact	NASA Employment		NASA Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	NASA Emp.	NASA Proc.
	Direct	414	78.6	0	0.0	414	12.6	100.0
Indirect	0	0.0	2,125	76.9	2,125	64.6	0.0	100.0
Induced	113	21.4	637	23.1	750	22.8	15.1	84.9
Total	527	100	2,762	100	3,289	100	16.0	84.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Moon to Mars Campaign

Table 621: Moon to Mars Campaign Labor Income Impacts by Sources of Impact, Wyoming

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	M2M Emp.	M2M Proc.
	Direct	178	80.9	0	n.a.	178	80.9	100.0
Indirect	0	0.0	0	n.a.	0	0.0	0	0.0
Induced	42	19.1	0	n.a.	42	19.1	100.0	0.0
Total	220	100	0	n.a.	220	100	100.0	0.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 622: Moon to Mars Campaign Value Added Impacts by Sources of Impact, Wyoming

Type of Impact	M2M Employment		M2M Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	M2M Emp.	M2M Proc.
Direct	213	72.2	0	n.a.	213	72.2	100.0	0.0
Indirect	0	0.0	0	n.a.	0	0.0	0	0.0
Induced	82	27.8	0	n.a.	82	27.8	100.0	0.0
Total	295	100	0	n.a.	295	100	100.0	0.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Investments in Climate Change Research and Technology

Table 623: Investments in Climate Change Research and Technology Labor Income Impacts by Sources of Impact, Wyoming

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	Labor Income (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	723	82.8	723	82.8	0.0	100.0
Induced	0	n.a.	150	17.2	150	17.2	0.0	100.0
Total	0	n.a.	873	100	873	100	0.0	100.0

Note: The direct labor income impact is associated with NASA labor force while indirect labor income impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

Table 624: Investments in Climate Change Research and Technology Value Added Impacts by Sources of Impact, Wyoming

Type of Impact	Climate Change Employment		Climate Change Procurement		Total		Shares (%)	
	Value Added (\$ 000)	%	Value Added (\$ 000)	%	Value Added (\$ 000)	%	CC Emp.	CC Proc.
Direct	0	n.a.	0	0.0	0	0.0	n.a.	n.a.
Indirect	0	n.a.	986	77.2	986	77.2	0.0	100.0
Induced	0	n.a.	291	22.8	291	22.8	0.0	100.0
Total	0	n.a.	1,277	100	1,277	100	0.0	100.0

Note: The direct value-added impact is associated with NASA labor force while indirect value-added impact is associated with NASA contractor employees and employees in the supply chain of those contractors.

DETAILED IMPACTS

In this section, we present detailed industry level impacts, organized by four impact categories: employment, labor income, value added, and economic output. For each region, first, detailed NASA impacts are presented, and then detailed impacts for the M2M Campaign and Investments in Climate Change Research and Technology are provided.

United States

NASA

Table 625: Detailed NASA Impacts by Types of Impact, United States

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>339,645</i>	<i>25,763,784,868</i>	<i>38,664,588,137</i>	<i>71,242,536,408</i>
Oilseed farming	39	3,769,115	10,992,183	19,771,287
Grain farming	243	9,253,930	11,502,452	61,425,719
Vegetable and melon farming	131	5,326,029	9,434,619	17,830,759
Fruit farming	166	6,120,127	11,330,639	16,286,591
Tree nut farming	50	2,299,323	4,256,905	6,118,849
Greenhouse, nursery, and floriculture production	170	6,147,024	8,881,794	16,676,084
Tobacco farming	8	193,960	264,840	522,277
Cotton farming	22	860,569	1,201,233	2,349,556
Sugarcane and sugar beet farming	17	892,700	1,230,880	2,419,522
All other crop farming	564	5,104,314	6,999,009	13,834,435
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	517	7,669,573	20,108,200	65,155,331
Dairy cattle and milk production	97	3,989,035	8,058,790	41,428,911
Poultry and egg production	88	2,311,796	3,742,160	41,361,009
Animal production, except cattle and poultry and eggs	351	10,799,832	25,135,735	37,799,182
Forestry, forest products, and timber tract production	18	1,333,814	1,384,097	1,697,569
Commercial logging	76	4,910,487	4,638,259	7,154,872
Commercial fishing	59	1,799,770	3,192,695	4,164,855
Commercial hunting and trapping	11	303,228	1,051,815	1,519,817
Support activities for agriculture and forestry	746	29,252,502	27,848,073	34,222,056
Oil and gas extraction	398	61,347,910	114,203,578	248,926,447
Coal mining	64	5,789,349	16,378,393	27,949,325
Copper, nickel, lead, and zinc mining	22	1,932,134	5,874,629	10,755,803
Iron ore mining	4	353,835	698,890	1,405,104
Gold ore mining	14	1,360,170	2,786,157	5,605,612

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Silver ore mining	2	183,978	394,847	795,126
Uranium-radium-vanadium ore mining	5	417,307	1,034,662	2,088,829
Other metal ore mining	2	228,342	445,762	895,979
Stone mining and quarrying	30	2,117,946	6,931,309	12,372,500
Sand and gravel mining	28	2,060,128	4,386,657	8,216,481
Other clay, ceramic, refractory minerals mining	3	233,968	524,984	984,279
Potash, soda, and borate mineral mining	2	221,001	403,457	753,316
Phosphate rock mining	1	92,208	208,297	390,578
Other chemical and fertilizer mineral mining	2	167,856	344,350	644,524
Other nonmetallic minerals	6	431,850	943,532	1,768,146
Drilling oil and gas wells	<1	17,808	31,524	60,475
Support activities for oil and gas operations	4	432,416	609,963	1,121,452
Metal mining services	17	2,492,910	4,562,041	9,850,644
Other nonmetallic minerals services	<1	116,532	214,522	459,597
Electric power generation - Hydroelectric	11	2,204,386	6,204,365	11,040,776
Electric power generation - Fossil fuel	140	26,652,009	95,609,359	214,263,551
Electric power generation - Nuclear	70	16,303,670	36,018,780	69,517,185
Electric power generation - Solar	6	993,062	3,576,846	6,495,940
Electric power generation - Wind	11	1,888,207	14,312,329	26,973,517
Electric power generation - Geothermal	2	322,671	819,180	1,442,897
Electric power generation - Biomass	3	485,000	2,132,420	5,231,037
Electric power generation - All other	3	651,903	507,842	1,198,764
Electric power transmission and distribution	425	74,262,365	251,171,903	568,907,805
Natural gas distribution	138	25,103,307	67,930,179	130,851,754
Water, sewage and other systems	83	8,595,315	17,447,371	29,941,754
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0

Appendix

Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	2,162	141,512,554	161,679,058	342,907,704
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1,150	75,860,360	112,915,757	249,094,247
Maintenance and repair construction of residential structures	527	32,744,453	47,535,239	104,728,165
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	47,447	71,652	155,838
Dog and cat food manufacturing	32	2,586,628	7,717,356	29,711,254
Other animal food manufacturing	55	4,181,519	7,932,442	55,796,355
Flour milling	16	1,331,626	2,624,074	15,988,797
Rice milling	4	300,103	483,862	2,925,081
Malt manufacturing	1	122,617	242,899	1,480,287
Wet corn milling	15	1,726,047	4,335,712	25,519,771
Soybean and other oilseed processing	9	755,711	4,078,117	40,360,777
Fats and oils refining and blending	8	646,178	1,311,255	11,822,383
Breakfast cereal manufacturing	14	1,289,082	3,233,068	11,396,304
Beet sugar manufacturing	7	533,717	1,095,857	4,702,856
Sugar cane mills and refining	7	635,436	1,664,251	7,194,355
Nonchocolate confectionery manufacturing	24	1,640,021	2,484,064	10,531,958
Chocolate and confectionery manufacturing from cacao beans	10	797,012	1,184,789	5,018,865
Confectionery manufacturing from purchased chocolate	36	1,981,579	2,883,706	12,203,179
Frozen fruits, juices and vegetables manufacturing	33	2,042,922	3,848,079	15,564,170
Frozen specialties manufacturing	72	4,375,773	6,183,247	24,700,785
Canned fruits and vegetables manufacturing	56	3,871,205	7,565,000	30,352,326
Canned specialties	11	839,696	2,247,294	9,103,313
Dehydrated food products manufacturing	12	765,562	1,295,725	5,170,071
Cheese manufacturing	66	4,624,383	6,694,733	58,424,259

Appendix

Dry, condensed, and evaporated dairy product manufacturing	18	1,583,482	4,289,682	21,108,471
Fluid milk manufacturing	55	4,385,096	7,189,503	38,582,602
Creamery butter manufacturing	3	227,067	1,005,506	5,541,416
Ice cream and frozen dessert manufacturing	22	1,399,663	1,961,016	8,420,840
Frozen cakes and other pastries manufacturing	188	6,772,710	9,652,214	17,124,101
Poultry processing	258	12,095,078	15,498,402	74,407,032
Animal, except poultry, slaughtering	146	8,846,373	11,576,133	89,461,914
Meat processed from carcasses	134	8,197,084	8,296,089	62,316,731
Rendering and meat byproduct processing	12	906,152	988,085	4,879,130
Seafood product preparation and packaging	38	2,405,194	3,114,225	16,154,485
Bread and bakery product, except frozen, manufacturing	428	18,024,919	25,722,009	61,812,552
Cookie and cracker manufacturing	39	2,547,082	3,926,626	13,735,154
Dry pasta, mixes, and dough manufacturing	24	1,570,989	3,531,803	12,531,175
Tortilla manufacturing	22	1,157,937	1,450,483	5,020,334
Roasted nuts and peanut butter manufacturing	29	2,114,710	4,822,244	15,094,330
Other snack food manufacturing	61	4,241,678	9,382,219	31,800,088
Coffee and tea manufacturing	23	1,533,744	2,913,563	14,601,443
Flavoring syrup and concentrate manufacturing	12	1,182,621	8,626,837	19,662,247
Mayonnaise, dressing, and sauce manufacturing	20	1,419,311	2,671,381	11,033,610
Spice and extract manufacturing	27	2,374,516	4,100,774	16,881,043
All other food manufacturing	96	5,613,328	8,240,931	37,150,609
Bottled and canned soft drinks & water	108	9,257,332	15,457,440	65,147,646
Manufactured ice	8	455,021	277,794	1,125,266
Breweries	114	7,604,253	18,184,482	45,731,289
Wineries	88	6,076,537	9,725,465	28,937,079
Distilleries	22	2,030,766	10,562,506	21,854,019
Tobacco product manufacturing	11	1,388,699	29,144,126	43,735,219
Fiber, yarn, and thread mills	17	850,787	1,159,036	5,776,408
Broadwoven fabric mills	18	1,038,477	1,472,195	5,102,242
Narrow fabric mills and schiffli machine embroidery	4	187,293	204,805	627,629
Nonwoven fabric mills	10	726,887	1,269,270	4,722,165
Knit fabric mills	3	167,930	211,985	699,383
Textile and fabric finishing mills	20	1,134,539	1,436,564	5,605,981

Appendix

Fabric coating mills	6	423,372	549,324	2,167,368
Carpet and rug mills	22	1,280,305	2,029,186	7,932,286
Curtain and linen mills	19	875,524	1,102,931	3,590,046
Textile bag and canvas mills	26	1,338,521	1,566,719	4,351,214
Rope, cordage, twine, tire cord and tire fabric mills	7	437,793	617,203	1,864,130
Other textile product mills	29	1,359,289	1,621,946	4,548,854
Hosiery and sock mills	12	403,429	499,170	1,084,940
Other apparel knitting mills	7	261,575	341,127	725,634
Cut and sew apparel contractors	51	1,909,882	2,033,586	4,076,920
Mens and boys cut and sew apparel manufacturing	36	1,549,839	1,774,160	3,912,469
Womens and girls cut and sew apparel manufacturing	32	1,646,821	2,150,633	5,948,030
Other cut and sew apparel manufacturing	23	938,529	1,172,099	3,025,791
Apparel accessories and other apparel manufacturing	20	780,291	976,066	2,503,315
Leather and hide tanning and finishing	2	78,534	108,096	512,243
Footwear manufacturing	17	697,188	756,000	2,140,622
Other leather and allied product manufacturing	8	338,767	356,769	955,823
Sawmills	69	4,111,063	6,365,094	22,163,897
Wood preservation	8	542,256	1,444,652	5,049,995
Veneer and plywood manufacturing	21	1,336,419	2,103,109	6,476,029
Engineered wood member and truss manufacturing	28	1,589,756	2,266,029	6,971,069
Reconstituted wood product manufacturing	11	843,753	1,909,762	5,897,037
Wood windows and door manufacturing	74	4,579,933	6,170,055	17,491,913
Cut stock, resawing lumber, and planing	12	626,793	1,095,287	3,112,709
Other millwork, including flooring	41	2,237,750	3,394,283	9,634,190
Wood container and pallet manufacturing	50	2,531,204	3,345,663	9,319,978
Manufactured home (mobile home) manufacturing	<1	48,886	60,511	168,439
Prefabricated wood building manufacturing	10	553,773	746,765	2,080,704
All other miscellaneous wood product manufacturing	25	1,390,315	2,046,620	5,707,592
Pulp mills	2	258,918	426,111	1,613,821
Paper mills	57	6,087,804	13,247,691	44,659,043
Paperboard mills	37	4,237,745	9,723,055	34,730,071

Appendix

Paperboard container manufacturing	155	12,805,279	18,740,814	79,375,451
Paper bag and coated and treated paper manufacturing	54	4,424,261	7,469,167	26,592,949
Stationery product manufacturing	11	775,191	1,132,961	4,680,623
Sanitary paper product manufacturing	26	2,548,067	7,025,819	21,887,751
All other converted paper product manufacturing	15	1,026,241	1,461,861	4,673,839
Printing	707	39,699,366	57,855,913	122,882,926
Support activities for printing	36	2,172,373	3,003,165	4,805,311
Petroleum refineries	77	23,322,354	132,792,979	554,095,435
Asphalt paving mixture and block manufacturing	6	1,007,680	1,537,327	6,110,441
Asphalt shingle and coating materials manufacturing	5	856,009	2,832,749	6,170,166
Petroleum lubricating oil and grease manufacturing	82	14,517,997	47,528,387	113,270,551
All other petroleum and coal products manufacturing	5	789,158	2,795,990	6,757,933
Petrochemical manufacturing	24	4,502,911	34,987,174	144,586,790
Industrial gas manufacturing	44	7,418,312	15,874,586	44,023,112
Synthetic dye and pigment manufacturing	8	954,834	1,989,893	5,846,410
Other basic inorganic chemical manufacturing	25	3,739,039	8,651,047	24,927,644
Other basic organic chemical manufacturing	45	6,276,268	12,814,757	73,491,826
Plastics material and resin manufacturing	43	6,276,322	10,716,885	62,717,651
Synthetic rubber manufacturing	5	747,800	1,145,909	5,284,162
Artificial and synthetic fibers and filaments manufacturing	19	2,357,853	3,360,511	15,160,692
Nitrogenous fertilizer manufacturing	6	915,417	2,380,746	7,930,118
Phosphatic fertilizer manufacturing	4	567,744	1,258,441	4,081,474
Fertilizer mixing	6	571,062	1,187,875	3,806,368
Pesticide and other agricultural chemical manufacturing	11	1,384,935	4,285,659	16,213,610
Medicinal and botanical manufacturing	28	4,412,282	8,119,979	18,570,331
Pharmaceutical preparation manufacturing	177	31,906,619	125,305,758	278,817,383
In-vitro diagnostic substance manufacturing	17	2,621,065	4,281,106	8,947,655
Biological product (except diagnostic) manufacturing	16	2,491,941	5,858,992	10,978,540
Paint and coating manufacturing	32	3,528,384	7,280,786	26,291,957

Appendix

Adhesive manufacturing	17	1,990,652	3,462,730	11,989,537
Soap and other detergent manufacturing	30	4,252,752	14,002,071	41,845,990
Polish and other sanitation good manufacturing	30	3,426,959	5,631,401	14,866,477
Surface active agent manufacturing	3	326,331	1,015,247	3,013,563
Toilet preparation manufacturing	53	4,803,946	17,718,881	45,649,400
Printing ink manufacturing	10	1,043,931	1,148,976	4,591,337
Explosives manufacturing	4	489,950	561,240	1,768,420
Custom compounding of purchased resins	22	1,989,606	3,589,470	13,073,719
Photographic film and chemical manufacturing	17	1,847,020	3,812,324	14,295,682
Other miscellaneous chemical product manufacturing	34	3,909,101	6,791,450	24,513,064
Plastics packaging materials and unlaminated film and sheet manufacturing	74	5,468,156	9,131,006	34,043,137
Unlaminated plastics profile shape manufacturing	27	1,949,030	4,098,143	12,459,768
Plastics pipe and pipe fitting manufacturing	27	1,909,361	5,182,355	16,113,949
Laminated plastics plate, sheet (except packaging), and shape manufacturing	17	1,225,579	2,313,421	6,236,162
Polystyrene foam product manufacturing	35	2,161,963	3,686,631	12,860,574
Urethane and other foam product (except polystyrene) manufacturing	39	2,441,172	3,953,354	14,790,666
Plastics bottle manufacturing	38	2,724,093	4,273,767	16,579,145
Other plastics product manufacturing	320	20,647,927	30,466,027	92,845,216
Tire manufacturing	46	3,685,469	5,838,512	21,463,339
Rubber and plastics hoses and belting manufacturing	12	795,077	1,185,564	3,348,763
Other rubber product manufacturing	79	5,362,519	7,516,107	24,808,534
Pottery, ceramics, and plumbing fixture manufacturing	10	644,469	977,726	2,070,391
Brick, tile, and other structural clay product manufacturing	16	1,108,072	2,027,944	4,323,993
Flat glass manufacturing	9	622,635	1,401,264	3,267,047
Other pressed and blown glass and glassware manufacturing	23	1,710,716	3,028,146	7,008,567
Glass container manufacturing	16	1,427,589	2,411,240	5,571,524
Glass product manufacturing made of purchased glass	46	2,991,705	5,292,174	12,248,327
Cement manufacturing	11	1,084,017	2,831,527	6,879,521

Appendix

Ready-mix concrete manufacturing	73	5,436,076	9,942,383	29,471,876
Concrete block and brick manufacturing	20	1,423,399	2,805,845	6,504,446
Concrete pipe manufacturing	10	719,977	1,347,757	3,119,229
Other concrete product manufacturing	60	3,972,536	5,917,789	13,581,573
Lime manufacturing	4	342,558	886,452	2,067,033
Gypsum product manufacturing	25	2,151,085	6,300,793	14,732,146
Abrasive product manufacturing	6	436,172	1,258,637	2,087,511
Cut stone and stone product manufacturing	23	1,317,867	1,618,580	3,481,157
Ground or treated mineral and earth manufacturing	5	455,707	1,347,953	2,758,826
Mineral wool manufacturing	8	661,252	1,575,089	3,322,267
Miscellaneous nonmetallic mineral products manufacturing	10	760,482	2,339,333	4,791,673
Iron and steel mills and ferroalloy manufacturing	53	5,939,065	11,482,647	65,986,531
Iron, steel pipe and tube manufacturing from purchased steel	16	1,416,944	2,473,932	9,864,330
Rolled steel shape manufacturing	12	1,063,468	2,381,651	9,933,156
Steel wire drawing	7	503,407	837,623	3,305,484
Alumina refining and primary aluminum production	6	576,657	890,059	4,253,243
Secondary smelting and alloying of aluminum	4	312,743	531,584	4,559,710
Aluminum sheet, plate, and foil manufacturing	11	1,128,278	2,272,307	11,454,837
Other aluminum rolling, drawing and extruding	19	1,379,853	1,989,902	9,330,973
Nonferrous metal (exc aluminum) smelting and refining	2	238,915	1,173,529	3,884,933
Copper rolling, drawing, extruding and alloying	15	1,244,734	1,947,615	15,911,347
Nonferrous metal, except copper and aluminum, shaping	8	723,879	883,721	3,705,052
Secondary processing of other nonferrous metals	2	199,017	429,185	2,055,405
Ferrous metal foundries	30	2,344,669	3,747,550	9,131,681
Nonferrous metal foundries	31	2,218,140	3,116,822	8,519,202
Custom roll forming	4	289,612	486,604	2,261,286
Crown and closure manufacturing and metal stamping	37	2,545,107	3,228,095	9,038,776
Iron and steel forging	16	1,296,607	2,088,802	6,820,334
Nonferrous forging	7	560,828	825,469	2,641,836
Cutlery, utensil, pot, and pan manufacturing	8	717,895	2,025,297	4,789,450

Appendix

Handtool manufacturing	20	1,419,218	2,320,230	5,049,027
Prefabricated metal buildings and components manufacturing	26	1,883,325	2,792,749	8,636,888
Fabricated structural metal manufacturing	97	7,330,857	11,018,745	34,182,978
Plate work manufacturing	28	2,080,014	2,318,466	6,619,856
Metal window and door manufacturing	47	2,967,679	4,049,336	10,760,762
Sheet metal work manufacturing	65	4,396,248	5,872,340	15,518,799
Ornamental and architectural metal work manufacturing	43	2,957,046	3,892,287	10,245,822
Power boiler and heat exchanger manufacturing	4	317,784	461,694	1,160,176
Metal tank (heavy gauge) manufacturing	11	848,590	1,089,268	3,120,234
Metal cans manufacturing	19	1,714,312	3,819,039	16,436,622
Metal barrels, drums and pails manufacturing	9	594,841	736,884	2,808,179
Hardware manufacturing	18	1,416,776	2,222,178	6,460,267
Spring and wire product manufacturing	34	2,316,038	3,177,684	9,358,032
Machine shops	260	18,115,402	22,258,460	45,273,083
Turned product and screw, nut, and bolt manufacturing	46	3,416,429	4,989,632	13,031,267
Metal heat treating	19	1,481,907	2,141,149	5,118,004
Metal coating and nonprecious engraving	51	3,190,827	5,624,122	14,024,680
Electroplating, anodizing, and coloring metal	55	3,381,843	3,871,698	8,672,802
Valve and fittings, other than plumbing, manufacturing	40	3,491,089	5,464,065	14,102,674
Plumbing fixture fitting and trim manufacturing	11	858,031	2,366,923	7,079,205
Ball and roller bearing manufacturing	15	1,177,625	2,146,442	5,168,056
Small arms ammunition manufacturing	8	587,650	1,204,466	2,699,701
Ammunition, except for small arms, manufacturing	1	146,595	178,965	358,127
Small arms, ordnance, and accessories manufacturing	12	953,553	1,829,243	4,055,772
Fabricated pipe and pipe fitting manufacturing	12	918,622	1,179,955	3,069,693
Other fabricated metal manufacturing	65	4,574,204	6,077,630	15,764,805
Farm machinery and equipment manufacturing	4	287,049	480,930	1,997,719
Lawn and garden equipment manufacturing	2	135,527	235,322	1,237,752

Appendix

Construction machinery manufacturing	2	167,663	351,620	1,177,089
Mining machinery and equipment manufacturing	<1	41,658	62,324	180,447
Oil and gas field machinery and equipment manufacturing	2	220,206	343,346	1,007,938
Semiconductor machinery manufacturing	1	248,100	297,090	728,458
Food product machinery manufacturing	<1	46,082	54,787	168,503
Sawmill, woodworking, and paper machinery	1	123,119	138,631	415,049
Printing machinery and equipment manufacturing	<1	53,432	60,024	179,492
All other industrial machinery manufacturing	3	271,963	355,447	925,598
Optical instrument and lens manufacturing	8	826,058	1,239,943	2,921,224
Photographic and photocopying equipment manufacturing	1	108,990	156,934	476,604
Other commercial service industry machinery manufacturing	13	1,143,869	1,820,191	5,057,310
Air purification and ventilation equipment manufacturing	7	457,946	623,797	1,757,839
Heating equipment (except warm air furnaces) manufacturing	12	888,145	1,390,506	3,912,763
Air conditioning, refrigeration, and warm air heating equipment manufacturing	31	2,256,721	3,985,620	12,490,264
Industrial mold manufacturing	3	241,148	281,921	616,109
Special tool, die, jig, and fixture manufacturing	3	224,506	296,906	580,703
Cutting tool and machine tool accessory manufacturing	3	262,349	299,917	722,440
Machine tool manufacturing	2	146,337	187,968	553,683
Rolling mill and other metalworking machinery manufacturing	2	166,688	199,158	490,169
Turbine and turbine generator set units manufacturing	1	155,887	208,956	653,103
Speed changer, industrial high-speed drive, and gear manufacturing	6	520,588	783,457	2,084,241
Mechanical power transmission equipment manufacturing	6	494,326	770,449	1,908,075
Other engine equipment manufacturing	14	1,541,171	3,215,911	14,588,828
Pump and pumping equipment manufacturing	2	207,080	358,325	1,049,631

Appendix

Air and gas compressor manufacturing	2	225,096	410,363	1,301,108
Elevator and moving stairway manufacturing	<1	45,183	65,797	214,528
Conveyor and conveying equipment manufacturing	1	112,638	126,813	370,167
Overhead cranes, hoists, and monorail systems manufacturing	1	113,426	197,707	682,462
Industrial truck, trailer, and stacker manufacturing	2	167,682	260,266	867,292
Power-driven handtool manufacturing	2	147,561	375,430	1,069,646
Welding and soldering equipment manufacturing	2	152,402	220,988	657,928
Packaging machinery manufacturing	3	269,115	401,611	1,054,991
Industrial process furnace and oven manufacturing	<1	38,309	45,880	108,824
Fluid power cylinder and actuator manufacturing	5	427,929	588,596	1,537,812
Fluid power pump and motor manufacturing	4	429,523	723,449	2,023,897
Scales, balances, and miscellaneous general purpose machinery manufacturing	2	192,646	237,939	664,148
Electronic computer manufacturing	21	6,039,212	12,453,884	27,593,903
Computer storage device manufacturing	4	741,057	1,788,511	5,424,779
Computer terminals and other computer peripheral equipment manufacturing	66	9,687,376	16,415,421	38,033,393
Telephone apparatus manufacturing	6	1,025,821	1,784,407	4,030,979
Broadcast and wireless communications equipment manufacturing	5	666,779	1,021,993	2,266,101
Other communications equipment manufacturing	9	980,182	1,728,163	4,296,202
Audio and video equipment manufacturing	8	1,150,779	1,907,935	4,694,533
Printed circuit assembly (electronic assembly) manufacturing	65	4,780,424	8,842,534	29,856,882
Bare printed circuit board manufacturing	20	1,730,886	2,319,301	5,495,760
Semiconductor and related device manufacturing	212	41,972,866	74,494,363	153,765,859
Capacitor, resistor, coil, transformer, and other inductor manufacturing	11	790,727	1,135,700	2,831,187

Appendix

Electronic connector manufacturing	82	7,467,827	11,545,109	30,186,331
Other electronic component manufacturing	62	5,449,021	7,537,570	18,295,116
Electromedical and electrotherapeutic apparatus manufacturing	5	690,736	1,301,025	2,592,816
Search, detection, and navigation instruments manufacturing	16	2,222,251	3,856,291	7,502,290
Automatic environmental control manufacturing	16	1,453,193	1,943,700	4,031,051
Industrial process variable instruments manufacturing	7	687,517	1,114,568	2,514,694
Totalizing fluid meter and counting device manufacturing	3	304,951	718,074	1,531,689
Electricity and signal testing instruments manufacturing	6	794,313	1,251,069	3,211,771
Analytical laboratory instrument manufacturing	63	7,990,444	13,743,207	28,744,785
Irradiation apparatus manufacturing	<1	36,421	70,373	166,961
Watch, clock, and other measuring and controlling device manufacturing	8	910,900	1,651,195	3,371,908
Blank magnetic and optical recording media manufacturing	5	839,190	2,382,543	6,117,007
Software and other prerecorded and record reproducing	11	1,466,057	2,133,188	4,123,354
Electric lamp bulb and part manufacturing	5	596,629	1,135,808	2,907,892
Lighting fixture manufacturing	36	3,191,294	4,651,030	12,350,174
Small electrical appliance manufacturing	5	440,626	945,014	2,865,566
Household cooking appliance manufacturing	6	477,177	1,078,865	3,099,689
Household refrigerator and home freezer manufacturing	6	512,391	1,204,881	3,328,437
Household laundry equipment manufacturing	14	1,187,491	2,129,549	7,713,807
Other major household appliance manufacturing	2	209,959	528,895	1,363,868
Power, distribution, and specialty transformer manufacturing	3	281,866	427,561	1,177,146
Motor and generator manufacturing	10	880,642	1,485,782	4,314,711
Switchgear and switchboard apparatus manufacturing	16	1,583,707	2,636,500	7,169,166
Relay and industrial control manufacturing	14	1,541,652	2,108,440	5,192,199
Storage battery manufacturing	17	1,474,274	2,089,926	5,654,405
Primary battery manufacturing	13	1,119,251	1,507,705	4,125,906

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Fiber optic cable manufacturing	18	2,048,033	2,506,088	8,721,924
Other communication and energy wire manufacturing	6	483,250	716,850	2,709,799
Wiring device manufacturing	24	2,269,991	4,099,810	10,063,355
Carbon and graphite product manufacturing	23	2,154,161	3,583,560	10,640,850
All other miscellaneous electrical equipment and component manufacturing	21	2,256,353	2,634,985	7,127,206
Automobile manufacturing	31	3,519,626	10,647,823	42,153,826
Light truck and utility vehicle manufacturing	11	1,166,125	3,958,761	22,821,893
Heavy duty truck manufacturing	1	119,800	274,217	1,538,888
Motor vehicle body manufacturing	3	191,990	253,495	936,320
Truck trailer manufacturing	<1	16,858	23,423	91,947
Motor home manufacturing	19	1,336,897	2,144,154	8,483,400
Travel trailer and camper manufacturing	42	2,793,563	3,113,026	13,412,962
Motor vehicle gasoline engine and engine parts manufacturing	35	3,052,536	4,606,179	22,350,895
Motor vehicle electrical and electronic equipment manufacturing	53	4,275,414	5,864,373	25,989,671
Motor vehicle transmission and power train parts manufacturing	47	4,380,764	6,533,189	29,096,690
Motor vehicle seating and interior trim manufacturing	14	954,052	1,191,208	6,269,709
Motor vehicle metal stamping	40	3,267,876	4,157,021	15,941,638
Other motor vehicle parts manufacturing	104	7,498,435	10,844,644	49,687,705
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	36	2,836,853	4,372,381	18,996,689
Aircraft manufacturing	265	37,727,456	81,916,035	255,604,743
Aircraft engine and engine parts manufacturing	81	10,061,228	19,653,859	54,689,922
Other aircraft parts and auxiliary equipment manufacturing	113	11,194,268	15,584,326	37,515,623
Guided missile and space vehicle manufacturing	11	1,853,566	2,695,282	6,350,657
Propulsion units and parts for space vehicles and guided missiles manufacturing	9	1,151,972	1,567,527	3,432,217
Railroad rolling stock manufacturing	1	102,600	122,242	518,338
Ship building and repairing	6	592,639	731,030	1,759,500
Boat building	35	2,168,343	2,830,862	10,249,688

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Motorcycle, bicycle, and parts manufacturing	8	659,668	2,006,089	6,136,056
Military armored vehicle, tank, and tank component manufacturing	26	2,680,288	5,224,251	16,907,837
All other transportation equipment manufacturing	11	768,112	1,397,013	6,428,311
Wood kitchen cabinet and countertop manufacturing	106	5,531,698	7,461,380	16,970,221
Upholstered household furniture manufacturing	54	2,647,907	2,951,103	9,759,235
Nonupholstered wood household furniture manufacturing	26	1,275,995	1,512,579	4,050,922
Other household nonupholstered furniture manufacturing	9	497,058	706,420	2,668,691
Institutional furniture manufacturing	4	236,997	256,671	782,421
Wood office furniture manufacturing	2	104,350	140,138	397,883
Custom architectural woodwork and millwork	2	125,830	119,684	332,791
Office furniture, except wood, manufacturing	33	2,402,082	3,795,024	10,875,073
Showcase, partition, shelving, and locker manufacturing	10	624,265	892,443	2,382,336
Mattress manufacturing	21	1,209,727	2,084,222	7,435,692
Blind and shade manufacturing	8	466,829	496,831	1,720,200
Surgical and medical instrument manufacturing	27	2,804,484	4,923,013	9,907,661
Surgical appliance and supplies manufacturing	49	4,697,940	8,317,535	18,081,575
Dental equipment and supplies manufacturing	5	413,062	630,143	1,377,553
Ophthalmic goods manufacturing	26	2,137,693	3,578,392	6,978,624
Dental laboratories	48	2,938,678	3,029,063	5,192,811
Jewelry and silverware manufacturing	40	2,086,907	3,240,213	8,219,874
Sporting and athletic goods manufacturing	35	2,530,230	3,360,617	9,664,194
Doll, toy, and game manufacturing	13	1,312,546	1,984,780	4,710,036
Office supplies (except paper) manufacturing	12	759,832	1,018,362	3,037,688
Sign manufacturing	34	2,272,225	2,018,203	5,040,042
Gasket, packing, and sealing device manufacturing	17	1,316,917	1,574,748	3,744,741
Musical instrument manufacturing	5	304,223	333,501	755,570
Fasteners, buttons, needles, and pins manufacturing	3	242,716	303,011	736,374

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Broom, brush, and mop manufacturing	8	559,889	882,150	2,361,006
Burial casket manufacturing	3	158,220	186,276	439,346
All other miscellaneous manufacturing	56	4,089,102	5,326,465	13,207,045
Wholesale - Motor vehicle and motor vehicle parts and supplies	236	17,802,437	40,288,044	87,324,629
Wholesale - Professional and commercial equipment and supplies	643	82,665,779	131,800,098	212,040,216
Wholesale - Household appliances and electrical and electronic goods	346	37,607,234	87,525,954	173,425,678
Wholesale - Machinery, equipment, and supplies	427	38,609,377	73,910,460	123,875,873
Wholesale - Other durable goods merchant wholesalers	893	72,728,998	125,746,071	233,255,870
Wholesale - Drugs and druggists' sundries	278	40,534,113	113,779,193	210,556,236
Wholesale - Grocery and related product wholesalers	844	62,722,385	85,020,251	164,686,070
Wholesale - Petroleum and petroleum products	150	16,189,034	203,053,330	230,953,918
Wholesale - Other nondurable goods merchant wholesalers	1,124	93,113,759	204,366,505	358,484,571
Wholesale - Wholesale electronic markets and agents and brokers	557	65,822,121	68,452,758	78,859,517
Retail - Motor vehicle and parts dealers	1,097	68,015,291	107,629,820	154,663,324
Retail - Furniture and home furnishings stores	783	35,434,653	47,509,590	75,622,124
Retail - Electronics and appliance stores	743	40,870,955	40,660,529	67,923,929
Retail - Building material and garden equipment and supplies stores	983	43,281,858	80,127,519	117,175,563
Retail - Food and beverage stores	3,173	111,420,039	150,608,084	241,673,706
Retail - Health and personal care stores	1,517	70,721,789	88,715,022	134,847,027
Retail - Gasoline stores	1,221	49,977,124	79,451,093	138,845,947
Retail - Clothing and clothing accessories stores	1,690	48,168,438	78,488,854	157,404,278
Retail - Sporting goods, hobby, musical instrument and book stores	985	28,712,287	38,589,462	61,514,380
Retail - General merchandise stores	3,257	103,477,115	156,422,915	252,008,513
Retail - Miscellaneous store retailers	1,938	52,523,528	64,704,572	103,430,799
Retail - Nonstore retailers	2,231	68,764,914	217,054,706	398,977,044
Air transportation	610	68,360,646	153,984,018	259,529,257

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Rail transportation	196	24,657,126	47,193,927	89,515,270
Water transportation	81	9,277,948	15,637,269	57,247,287
Truck transportation	12,381	791,383,157	951,405,476	1,901,785,007
Transit and ground passenger transportation	2,969	51,143,805	69,187,593	99,762,530
Pipeline transportation	56	51,663,834	50,531,554	55,395,574
Scenic and sightseeing transportation and support activities for transportation	2,153	154,543,965	167,679,553	330,110,201
Couriers and messengers	2,104	70,036,591	97,564,340	173,399,109
Warehousing and storage	2,002	82,904,195	94,352,028	182,313,212
Newspaper publishers	201	12,402,283	22,464,212	27,489,049
Periodical publishers	147	15,138,577	25,297,908	35,674,226
Book publishers	71	6,641,858	22,011,341	33,483,012
Directory, mailing list, and other publishers	65	5,232,862	15,230,925	20,594,942
Greeting card publishing	5	280,879	830,965	1,121,427
Software publishers	1,268	202,610,030	488,698,921	529,601,100
Motion picture and video industries	436	34,338,521	61,540,564	121,975,213
Sound recording industries	32	2,587,890	15,582,870	24,698,393
Radio and television broadcasting	387	91,218,173	105,183,684	200,253,325
Cable and other subscription programming	97	30,573,852	107,811,737	197,166,426
Wired telecommunications carriers	688	67,350,558	184,756,002	331,914,998
Wireless telecommunications carriers (except satellite)	158	15,511,309	132,813,453	308,631,624
Satellite, telecommunications resellers, and all other telecommunications	292	32,607,313	52,024,294	127,461,505
Data processing, hosting, and related services	1,109	135,956,949	242,713,790	584,221,328
News syndicates, libraries, archives and all other information services	83	7,980,049	12,619,032	22,680,365
Internet publishing and broadcasting and web search portals	679	164,883,038	335,171,722	856,827,028
Nondepository credit intermediation and related activities	1,226	144,227,520	185,331,466	289,099,240
Securities and commodity contracts intermediation and brokerage	2,138	178,500,941	154,182,409	294,039,888
Monetary authorities and depository credit intermediation	2,778	282,015,165	792,067,943	1,246,721,295
Other financial investment activities	2,178	179,446,389	214,162,211	494,150,166

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Direct life insurance carriers	389	40,491,453	76,141,583	110,030,760
Insurance carriers, except direct life	1,558	143,123,969	432,821,449	920,507,514
Insurance agencies, brokerages, and related activities	2,092	171,767,925	264,617,261	612,198,647
Funds, trusts, and other financial vehicles	689	38,405,974	54,531,614	219,287,264
Other real estate	14,847	432,397,336	1,266,510,680	3,011,123,124
Tenant-occupied housing	1,431	38,781,620	516,086,140	580,260,460
Owner-occupied dwellings	0	0	1,607,616,333	2,040,798,244
Automotive equipment rental and leasing	426	33,265,784	88,209,351	120,371,749
General and consumer goods rental except video tapes and discs	436	29,446,106	39,110,781	63,209,932
Video tape and disc rental	112	5,712,295	9,777,159	15,058,642
Commercial and industrial machinery and equipment rental and leasing	430	45,003,125	114,656,640	155,681,622
Lessors of nonfinancial intangible assets	57	5,095,523	113,602,490	127,517,628
Legal services	4,201	415,107,887	668,433,909	902,946,276
Accounting, tax preparation, bookkeeping, and payroll services	2,208	181,806,046	252,675,411	351,536,590
Architectural, engineering, and related services	3,638	337,114,511	378,235,040	624,471,196
Specialized design services	300	22,843,802	38,731,906	55,953,522
Custom computer programming services	906	97,796,107	102,368,867	138,151,004
Computer systems design services	1,170	125,708,900	119,899,130	150,360,775
Other computer related services, including facilities management	410	44,390,577	69,812,154	114,911,905
Management consulting services	13,490	1,310,224,570	1,369,319,171	2,096,254,438
Environmental and other technical consulting services	926	84,570,058	89,841,483	129,855,111
Scientific research and development services	57,574	6,087,070,854	8,095,076,465	14,312,647,361
Advertising, public relations, and related services	1,378	106,019,443	149,765,564	253,672,133
Photographic services	113	4,602,432	12,357,972	22,274,149
Veterinary services	400	20,032,497	25,972,930	39,268,785
Marketing research and all other miscellaneous professional, scientific, and technical services	4,294	360,878,570	673,248,774	1,153,554,442
Management of companies and enterprises	5,084	675,444,242	782,276,251	1,245,508,906
Office administrative services	1,745	127,291,497	52,972,588	122,403,855
Facilities support services	2,681	134,761,917	193,565,501	427,986,428

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Employment services	12,128	516,325,065	727,314,281	1,082,352,217
Business support services	2,097	99,537,238	82,468,646	145,189,088
Travel arrangement and reservation services	490	28,968,679	36,798,177	81,736,633
Investigation and security services	1,871	73,725,922	71,728,045	104,979,185
Services to buildings	3,288	107,031,987	142,604,562	263,133,470
Landscape and horticultural services	1,768	73,087,220	87,464,320	152,968,720
Other support services	659	34,276,071	42,666,862	79,535,958
Waste management and remediation services	562	42,571,701	72,909,127	130,692,572
Elementary and secondary schools	1,326	60,851,999	52,667,089	61,888,711
Junior colleges, colleges, universities, and professional schools	12,030	595,116,930	811,718,913	1,059,288,253
Other educational services	1,281	53,081,023	59,992,080	111,881,756
Offices of physicians	4,106	431,515,257	453,412,853	640,870,362
Offices of dentists	1,334	88,194,430	112,955,065	159,492,103
Offices of other health practitioners	1,235	68,028,600	101,598,404	135,164,209
Outpatient care centers	1,361	110,213,178	102,291,494	166,755,206
Medical and diagnostic laboratories	457	37,256,587	55,518,421	78,119,464
Home health care services	2,053	88,540,812	85,245,308	111,408,622
Other ambulatory health care services	427	26,393,468	29,737,094	47,656,279
Hospitals	6,086	526,813,845	619,915,230	1,161,118,672
Nursing and community care facilities	2,424	102,173,200	113,252,169	196,609,757
Residential mental retardation, mental health, substance abuse and other facilities	915	38,166,898	40,924,834	63,993,798
Individual and family services	3,718	104,449,231	92,000,600	139,335,151
Child day care services	1,433	41,794,634	60,566,874	81,322,620
Community food, housing, and other relief services, including rehabilitation services	872	30,860,250	30,509,382	66,609,604
Performing arts companies	497	16,457,718	23,144,059	37,582,786
Commercial Sports Except Racing	1,071	46,949,831	34,020,127	53,584,081
Racing and Track Operation	85	2,885,375	5,273,269	8,472,117
Independent artists, writers, and performers	482	20,518,726	56,354,104	76,039,315
Promoters of performing arts and sports and agents for public figures	649	21,507,061	37,996,494	67,948,579

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Museums, historical sites, zoos, and parks	164	7,386,362	9,385,039	15,974,977
Amusement parks and arcades	185	5,797,777	11,187,079	15,710,795
Gambling industries (except casino hotels)	606	23,660,764	58,513,656	88,848,753
Other amusement and recreation industries	815	24,591,509	28,052,843	49,470,092
Fitness and recreational sports centers	770	17,030,853	22,927,210	40,693,457
Bowling centers	99	2,600,629	4,022,053	6,873,135
Hotels and motels, including casino hotels	2,568	109,332,318	198,658,672	299,473,946
Other accommodations	612	31,829,699	43,927,728	56,154,889
Full-service restaurants	7,857	216,599,131	320,066,708	534,074,411
Limited-service restaurants	6,391	146,004,123	237,914,140	499,367,512
All other food and drinking places	4,281	138,224,177	198,307,208	292,934,968
Automotive repair and maintenance, except car washes	2,974	170,283,166	186,477,152	276,888,640
Car washes	1,187	65,229,929	100,459,100	149,821,516
Electronic and precision equipment repair and maintenance	6,106	452,723,773	554,753,725	870,218,893
Commercial and industrial machinery and equipment repair and maintenance	909	67,284,028	65,627,121	99,501,443
Personal and household goods repair and maintenance	410	19,587,211	36,464,219	52,041,585
Personal care services	2,162	63,278,960	53,836,989	73,515,644
Death care services	417	14,177,239	7,803,587	12,149,632
Dry-cleaning and laundry services	1,121	35,823,949	18,298,579	27,036,039
Other personal services	1,351	42,953,514	52,235,818	76,420,241
Religious organizations	2,471	128,840,076	55,387,152	205,075,404
Grantmaking, giving, and social advocacy organizations	980	64,472,465	188,176,792	284,955,495
Business and professional associations	322	29,624,906	49,551,362	81,426,393
Labor and civic organizations	757	26,980,012	70,911,282	119,053,767
Private households	1,513	26,777,551	26,777,551	26,777,551
Postal service	894	81,728,560	81,761,892	86,961,203
Federal electric utilities	15	2,862,867	4,793,577	19,039,437
Other federal government enterprises	1,691	93,289,226	84,848,386	394,527,300
State government passenger transit	32	3,618,499	-2,316,933	2,377,590
State government electric utilities	4	566,276	790,024	2,339,879
Other state government enterprises	98	10,271,191	12,234,806	23,538,396

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Local government passenger transit	291	26,420,468	-15,692,844	20,072,794
Local government electric utilities	109	14,829,443	36,682,744	66,068,398
Other local government enterprises	1,045	96,915,414	185,048,638	356,418,304
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	<1	15,882	18,302	18,302
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	<1	77,316	89,290	89,290
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	17,928	3,277,353,289	3,812,470,477	8,674,902,857

Moon to Mars Campaign

Table 626: Detailed Moon to Mars Campaign Impacts by Types of Impact, United States

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>93,731</i>	<i>7,143,203,161</i>	<i>10,960,679,534</i>	<i>20,107,229,070</i>
Oilseed farming	11	1,066,752	3,111,059	5,595,762
Grain farming	69	2,629,230	3,268,081	17,452,300
Vegetable and melon farming	36	1,464,455	2,594,161	4,902,780
Fruit farming	45	1,669,533	3,090,928	4,442,881
Tree nut farming	14	635,613	1,176,757	1,691,463
Greenhouse, nursery, and floriculture production	46	1,664,431	2,404,925	4,515,386
Tobacco farming	2	54,431	74,322	146,567
Cotton farming	7	257,917	360,016	704,175
Sugarcane and sugar beet farming	5	245,552	338,574	665,530
All other crop farming	157	1,421,424	1,949,049	3,852,545
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	143	2,119,888	5,557,954	18,009,086
Dairy cattle and milk production	26	1,057,396	2,136,188	10,981,790
Poultry and egg production	24	637,381	1,031,744	11,403,570

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Animal production, except cattle and poultry and eggs	109	3,348,030	7,792,268	11,718,033
Forestry, forest products, and timber tract production	5	405,732	421,027	516,382
Commercial logging	23	1,479,933	1,397,889	2,156,351
Commercial fishing	16	487,832	865,388	1,128,894
Commercial hunting and trapping	3	84,746	293,960	424,757
Support activities for agriculture and forestry	232	9,108,528	8,671,223	10,655,928
Oil and gas extraction	86	13,253,352	24,672,074	53,777,051
Coal mining	18	1,602,911	4,534,724	7,738,395
Copper, nickel, lead, and zinc mining	7	581,626	1,768,428	3,237,798
Iron ore mining	1	114,503	226,165	454,701
Gold ore mining	4	420,981	862,333	1,734,972
Silver ore mining	<1	66,457	142,627	287,216
Uranium-radium-vanadium ore mining	2	170,425	422,547	853,059
Other metal ore mining	<1	75,416	147,224	295,920
Stone mining and quarrying	9	665,588	2,178,241	3,888,197
Sand and gravel mining	9	692,281	1,474,083	2,761,048
Other clay, ceramic, refractory minerals mining	<1	70,121	157,339	294,991
Potash, soda, and borate mineral mining	<1	64,334	117,447	219,292
Phosphate rock mining	<1	27,002	60,997	114,375
Other chemical and fertilizer mineral mining	<1	48,858	100,231	187,604
Other nonmetallic minerals	2	156,036	340,916	638,865
Drilling oil and gas wells	<1	5,046	8,933	17,138
Support activities for oil and gas operations	<1	100,480	141,736	260,590
Metal mining services	5	741,719	1,357,350	2,930,875
Other nonmetallic minerals services	<1	38,453	70,788	151,657
Electric power generation - Hydroelectric	3	570,610	1,606,014	2,857,930
Electric power generation - Fossil fuel	36	6,898,934	24,748,701	55,462,610
Electric power generation - Nuclear	18	4,220,242	9,323,543	17,994,682
Electric power generation - Solar	2	257,056	925,875	1,681,489
Electric power generation - Wind	3	488,767	3,704,779	6,982,156
Electric power generation - Geothermal	<1	83,524	212,047	373,497
Electric power generation - Biomass	<1	125,543	551,982	1,354,066

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Electric power generation - All other	<1	168,747	131,456	310,303
Electric power transmission and distribution	109	19,029,450	64,361,851	145,780,475
Natural gas distribution	38	6,868,599	18,586,602	35,802,783
Water, sewage and other systems	18	1,889,675	3,835,795	6,582,678
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	746	48,827,440	55,785,683	118,316,748
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	346	22,835,400	33,989,773	74,982,067
Maintenance and repair construction of residential structures	146	9,080,315	13,181,925	29,042,008
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	13,387	20,217	43,971
Dog and cat food manufacturing	9	719,568	2,146,873	8,265,304
Other animal food manufacturing	16	1,228,905	2,331,263	16,397,972
Flour milling	4	356,005	701,535	4,274,539
Rice milling	1	78,488	126,547	765,012
Malt manufacturing	<1	32,212	63,811	388,877
Wet corn milling	4	498,611	1,252,476	7,372,006
Soybean and other oilseed processing	3	213,722	1,153,326	11,414,373
Fats and oils refining and blending	2	178,997	363,230	3,274,910
Breakfast cereal manufacturing	4	355,084	890,563	3,139,164
Beet sugar manufacturing	2	145,124	297,977	1,278,763
Sugar cane mills and refining	2	172,119	450,791	1,948,717

Appendix

Nonchocolate confectionery manufacturing	7	443,314	671,467	2,846,893
Chocolate and confectionery manufacturing from cacao beans	3	215,651	320,574	1,357,977
Confectionery manufacturing from purchased chocolate	10	535,870	779,829	3,300,055
Frozen fruits, juices and vegetables manufacturing	9	544,373	1,025,390	4,147,354
Frozen specialties manufacturing	19	1,167,415	1,649,632	6,589,937
Canned fruits and vegetables manufacturing	15	1,017,652	1,988,666	7,978,934
Canned specialties	3	219,627	587,792	2,381,019
Dehydrated food products manufacturing	3	201,685	341,355	1,362,041
Cheese manufacturing	17	1,217,059	1,761,941	15,376,278
Dry, condensed, and evaporated dairy product manufacturing	5	421,183	1,140,993	5,614,544
Fluid milk manufacturing	15	1,158,424	1,899,273	10,192,484
Creamery butter manufacturing	<1	60,229	266,708	1,469,849
Ice cream and frozen dessert manufacturing	6	356,190	499,044	2,142,955
Frozen cakes and other pastries manufacturing	50	1,791,273	2,552,855	4,529,048
Poultry processing	71	3,345,074	4,286,314	20,578,375
Animal, except poultry, slaughtering	38	2,323,420	3,040,366	23,496,361
Meat processed from carcasses	38	2,316,250	2,344,226	17,608,838
Rendering and meat byproduct processing	3	251,686	274,443	1,355,189
Seafood product preparation and packaging	10	610,386	790,322	4,099,655
Bread and bakery product, except frozen, manufacturing	113	4,767,128	6,802,811	16,347,833
Cookie and cracker manufacturing	11	697,011	1,074,525	3,758,638
Dry pasta, mixes, and dough manufacturing	6	429,162	964,817	3,423,262
Tortilla manufacturing	6	318,247	398,650	1,379,786
Roasted nuts and peanut butter manufacturing	8	585,295	1,334,667	4,177,703
Other snack food manufacturing	17	1,174,172	2,597,165	8,802,830
Coffee and tea manufacturing	6	390,109	741,067	3,713,887
Flavoring syrup and concentrate manufacturing	4	357,622	2,608,739	5,945,827
Mayonnaise, dressing, and sauce manufacturing	5	369,076	694,663	2,869,170
Spice and extract manufacturing	7	623,112	1,076,110	4,429,861
All other food manufacturing	26	1,541,633	2,263,273	10,202,968

Appendix

Bottled and canned soft drinks & water	30	2,586,915	4,319,504	18,205,182
Manufactured ice	2	126,824	77,427	313,635
Breweries	29	1,915,285	4,580,130	11,518,350
Wineries	25	1,711,503	2,739,252	8,150,350
Distilleries	6	569,739	2,963,349	6,131,224
Tobacco product manufacturing	3	384,932	8,078,426	12,122,914
Fiber, yarn, and thread mills	5	253,297	345,070	1,719,758
Broadwoven fabric mills	5	296,710	420,630	1,457,792
Narrow fabric mills and schiffli machine embroidery	1	54,770	59,892	183,539
Nonwoven fabric mills	3	212,498	371,057	1,380,474
Knit fabric mills	<1	48,011	60,606	199,953
Textile and fabric finishing mills	6	338,181	428,207	1,671,018
Fabric coating mills	2	124,912	162,073	639,461
Carpet and rug mills	7	417,370	661,499	2,585,865
Curtain and linen mills	5	241,313	303,991	989,491
Textile bag and canvas mills	8	390,491	457,064	1,269,395
Rope, cordage, twine, tire cord and tire fabric mills	2	136,054	191,809	579,319
Other textile product mills	9	394,363	470,567	1,319,736
Hosiery and sock mills	3	112,125	138,734	301,537
Other apparel knitting mills	2	73,479	95,825	203,837
Cut and sew apparel contractors	16	586,133	624,097	1,251,186
Mens and boys cut and sew apparel manufacturing	10	434,834	497,771	1,097,710
Womens and girls cut and sew apparel manufacturing	9	456,435	596,072	1,648,563
Other cut and sew apparel manufacturing	6	237,979	297,204	767,236
Apparel accessories and other apparel manufacturing	6	216,732	271,110	695,315
Leather and hide tanning and finishing	<1	22,221	30,586	144,938
Footwear manufacturing	5	193,309	209,616	593,530
Other leather and allied product manufacturing	2	94,149	99,152	265,639
Sawmills	21	1,250,976	1,936,866	6,744,362
Wood preservation	3	163,421	435,379	1,521,932
Veneer and plywood manufacturing	6	406,152	639,157	1,968,133
Engineered wood member and truss manufacturing	9	494,659	705,083	2,169,074
Reconstituted wood product manufacturing	3	262,805	594,837	1,836,761
Wood windows and door manufacturing	24	1,506,557	2,029,623	5,753,919

Appendix

Cut stock, resawing lumber, and planing	4	191,555	334,733	951,280
Other millwork, including flooring	13	725,200	1,100,005	3,122,207
Wood container and pallet manufacturing	14	678,355	896,628	2,497,728
Manufactured home (mobile home) manufacturing	<1	7,993	9,894	27,540
Prefabricated wood building manufacturing	3	175,075	236,090	657,814
All other miscellaneous wood product manufacturing	8	415,676	611,898	1,706,455
Pulp mills	<1	74,508	122,620	464,403
Paper mills	16	1,721,071	3,745,229	12,625,470
Paperboard mills	11	1,278,961	2,934,440	10,481,613
Paperboard container manufacturing	44	3,655,714	5,350,219	22,660,491
Paper bag and coated and treated paper manufacturing	16	1,284,005	2,167,695	7,717,783
Stationery product manufacturing	3	208,417	304,607	1,258,428
Sanitary paper product manufacturing	7	711,480	1,961,773	6,111,572
All other converted paper product manufacturing	4	288,237	410,588	1,312,726
Printing	214	11,994,480	17,480,168	37,126,960
Support activities for printing	12	720,602	996,186	1,593,980
Petroleum refineries	16	4,869,614	27,726,639	115,692,895
Asphalt paving mixture and block manufacturing	2	306,400	467,447	1,857,970
Asphalt shingle and coating materials manufacturing	1	253,717	839,614	1,828,810
Petroleum lubricating oil and grease manufacturing	27	4,729,414	15,482,948	36,899,255
All other petroleum and coal products manufacturing	2	242,046	857,571	2,072,756
Petrochemical manufacturing	7	1,299,307	10,095,490	41,720,274
Industrial gas manufacturing	9	1,582,597	3,386,630	9,391,740
Synthetic dye and pigment manufacturing	2	283,323	590,451	1,734,776
Other basic inorganic chemical manufacturing	7	1,089,620	2,521,063	7,264,342
Other basic organic chemical manufacturing	13	1,850,736	3,778,795	21,671,151
Plastics material and resin manufacturing	13	1,830,088	3,124,895	18,287,598
Synthetic rubber manufacturing	2	224,332	343,760	1,585,191
Artificial and synthetic fibers and filaments manufacturing	5	641,374	914,114	4,123,954

Appendix

Nitrogenous fertilizer manufacturing	2	272,736	709,310	2,362,668
Phosphatic fertilizer manufacturing	1	166,830	369,789	1,199,329
Fertilizer mixing	2	167,784	349,009	1,118,348
Pesticide and other agricultural chemical manufacturing	3	395,748	1,224,636	4,633,072
Medicinal and botanical manufacturing	8	1,244,304	2,289,908	5,237,003
Pharmaceutical preparation manufacturing	49	8,920,829	35,034,461	77,955,050
In-vitro diagnostic substance manufacturing	5	731,280	1,194,434	2,496,407
Biological product (except diagnostic) manufacturing	5	746,897	1,756,088	3,290,546
Paint and coating manufacturing	9	988,168	2,039,074	7,363,388
Adhesive manufacturing	5	580,747	1,010,206	3,497,791
Soap and other detergent manufacturing	8	1,204,266	3,965,012	11,849,666
Polish and other sanitation good manufacturing	9	1,023,630	1,682,096	4,440,607
Surface active agent manufacturing	<1	97,165	302,291	897,291
Toilet preparation manufacturing	15	1,356,922	5,004,874	12,894,126
Printing ink manufacturing	3	343,324	377,871	1,509,983
Explosives manufacturing	2	180,742	207,042	652,370
Custom compounding of purchased resins	6	593,812	1,071,303	3,901,944
Photographic film and chemical manufacturing	6	615,534	1,270,487	4,764,149
Other miscellaneous chemical product manufacturing	10	1,188,043	2,064,039	7,449,944
Plastics packaging materials and unlaminated film and sheet manufacturing	21	1,554,526	2,595,827	9,678,025
Unlaminated plastics profile shape manufacturing	8	611,068	1,284,866	3,906,435
Plastics pipe and pipe fitting manufacturing	8	556,046	1,509,210	4,692,719
Laminated plastics plate, sheet (except packaging), and shape manufacturing	5	359,895	679,343	1,831,269
Polystyrene foam product manufacturing	10	640,780	1,092,673	3,811,721
Urethane and other foam product (except polystyrene) manufacturing	11	709,786	1,149,463	4,300,480
Plastics bottle manufacturing	11	763,799	1,198,307	4,648,571
Other plastics product manufacturing	94	6,068,285	8,953,758	27,286,576

Appendix

Tire manufacturing	12	985,020	1,560,467	5,736,536
Rubber and plastics hoses and belting manufacturing	4	242,623	361,782	1,021,895
Other rubber product manufacturing	29	1,992,669	2,792,925	9,218,651
Pottery, ceramics, and plumbing fixture manufacturing	3	196,608	298,275	631,615
Brick, tile, and other structural clay product manufacturing	5	356,957	653,286	1,392,941
Flat glass manufacturing	3	198,031	445,676	1,039,094
Other pressed and blown glass and glassware manufacturing	8	587,081	1,039,196	2,405,192
Glass container manufacturing	4	385,128	650,493	1,503,059
Glass product manufacturing made of purchased glass	15	971,115	1,717,853	3,975,837
Cement manufacturing	4	343,370	896,906	2,179,137
Ready-mix concrete manufacturing	24	1,797,720	3,287,963	9,746,400
Concrete block and brick manufacturing	6	453,752	894,448	2,073,489
Concrete pipe manufacturing	3	239,285	447,928	1,036,678
Other concrete product manufacturing	20	1,309,296	1,950,426	4,476,309
Lime manufacturing	1	104,215	269,681	628,843
Gypsum product manufacturing	8	693,637	2,031,749	4,750,518
Abrasive product manufacturing	2	139,735	403,226	668,770
Cut stone and stone product manufacturing	7	391,981	481,423	1,035,420
Ground or treated mineral and earth manufacturing	2	145,541	430,500	881,094
Mineral wool manufacturing	3	213,045	507,469	1,070,383
Miscellaneous nonmetallic mineral products manufacturing	4	258,292	794,536	1,627,454
Iron and steel mills and ferroalloy manufacturing	18	1,979,127	3,826,464	21,989,276
Iron, steel pipe and tube manufacturing from purchased steel	6	476,315	831,628	3,315,957
Rolled steel shape manufacturing	4	357,090	799,708	3,335,344
Steel wire drawing	2	148,533	247,145	975,300
Alumina refining and primary aluminum production	2	172,576	266,367	1,272,864
Secondary smelting and alloying of aluminum	1	93,632	159,151	1,365,131
Aluminum sheet, plate, and foil manufacturing	3	339,779	684,301	3,449,603
Other aluminum rolling, drawing and extruding	6	408,503	589,107	2,762,419

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	66,636	327,311	1,083,555
Copper rolling, drawing, extruding and alloying	5	395,965	619,560	5,061,595
Nonferrous metal, except copper and aluminum, shaping	3	235,614	287,640	1,205,949
Secondary processing of other nonferrous metals	<1	55,748	120,222	575,753
Ferrous metal foundries	9	690,191	1,103,151	2,688,056
Nonferrous metal foundries	9	633,031	889,505	2,431,281
Custom roll forming	1	87,261	146,615	681,329
Crown and closure manufacturing and metal stamping	11	729,362	925,089	2,590,281
Iron and steel forging	6	455,524	733,839	2,396,123
Nonferrous forging	2	196,521	289,254	925,731
Cutlery, utensil, pot, and pan manufacturing	2	206,556	582,728	1,378,044
Handtool manufacturing	6	405,152	662,369	1,441,375
Prefabricated metal buildings and components manufacturing	9	642,624	952,936	2,947,062
Fabricated structural metal manufacturing	35	2,657,536	3,994,446	12,391,798
Plate work manufacturing	8	609,819	679,728	1,940,810
Metal window and door manufacturing	15	953,734	1,301,350	3,458,226
Sheet metal work manufacturing	19	1,307,247	1,746,171	4,614,596
Ornamental and architectural metal work manufacturing	14	962,621	1,267,074	3,335,369
Power boiler and heat exchanger manufacturing	<1	87,005	126,406	317,640
Metal tank (heavy gauge) manufacturing	4	278,448	357,421	1,023,842
Metal cans manufacturing	5	429,695	957,249	4,119,866
Metal barrels, drums and pails manufacturing	3	170,198	210,840	803,486
Hardware manufacturing	6	456,562	716,106	2,081,847
Spring and wire product manufacturing	12	834,896	1,145,507	3,373,428
Machine shops	79	5,462,393	6,711,662	13,651,332
Turned product and screw, nut, and bolt manufacturing	14	1,033,017	1,508,702	3,940,231
Metal heat treating	5	431,623	623,635	1,490,679
Metal coating and nonprecious engraving	14	882,193	1,554,945	3,877,514
Electroplating, anodizing, and coloring metal	16	961,048	1,100,254	2,464,626
Valve and fittings, other than plumbing, manufacturing	15	1,273,869	1,993,790	5,145,945

Appendix

Plumbing fixture fitting and trim manufacturing	4	276,034	761,454	2,277,424
Ball and roller bearing manufacturing	4	348,665	635,507	1,530,130
Small arms ammunition manufacturing	2	165,541	339,298	760,505
Ammunition, except for small arms, manufacturing	<1	42,208	51,528	103,113
Small arms, ordnance, and accessories manufacturing	3	263,918	506,286	1,122,529
Fabricated pipe and pipe fitting manufacturing	4	307,353	394,789	1,027,058
Other fabricated metal manufacturing	20	1,413,829	1,878,518	4,872,701
Farm machinery and equipment manufacturing	1	97,533	163,410	678,785
Lawn and garden equipment manufacturing	<1	41,261	71,643	376,829
Construction machinery manufacturing	<1	58,174	122,002	408,414
Mining machinery and equipment manufacturing	<1	11,315	16,928	49,013
Oil and gas field machinery and equipment manufacturing	<1	55,752	86,929	255,192
Semiconductor machinery manufacturing	<1	92,049	110,226	270,270
Food product machinery manufacturing	<1	11,650	13,851	42,599
Sawmill, woodworking, and paper machinery	<1	40,711	45,840	137,242
Printing machinery and equipment manufacturing	<1	16,315	18,328	54,805
All other industrial machinery manufacturing	<1	62,927	82,244	214,167
Optical instrument and lens manufacturing	1	122,115	183,299	431,841
Photographic and photocopying equipment manufacturing	<1	29,610	42,635	129,481
Other commercial service industry machinery manufacturing	4	328,590	522,871	1,452,772
Air purification and ventilation equipment manufacturing	2	132,110	179,955	507,109
Heating equipment (except warm air furnaces) manufacturing	3	234,707	367,464	1,034,012
Air conditioning, refrigeration, and warm air heating equipment manufacturing	9	644,857	1,138,889	3,569,087
Industrial mold manufacturing	1	83,659	97,804	213,740
Special tool, die, jig, and fixture manufacturing	<1	67,869	89,756	175,549

Appendix

Cutting tool and machine tool accessory manufacturing	1	75,530	86,346	207,990
Machine tool manufacturing	<1	45,976	59,055	173,954
Rolling mill and other metalworking machinery manufacturing	<1	31,930	38,149	93,894
Turbine and turbine generator set units manufacturing	<1	54,711	73,337	229,219
Speed changer, industrial high-speed drive, and gear manufacturing	2	163,018	245,334	652,665
Mechanical power transmission equipment manufacturing	2	161,333	251,451	622,737
Other engine equipment manufacturing	3	366,300	764,347	3,467,424
Pump and pumping equipment manufacturing	<1	64,030	110,796	324,552
Air and gas compressor manufacturing	<1	40,705	74,207	235,282
Elevator and moving stairway manufacturing	<1	9,448	13,758	44,857
Conveyor and conveying equipment manufacturing	<1	31,483	35,445	103,464
Overhead cranes, hoists, and monorail systems manufacturing	<1	21,064	36,715	126,738
Industrial truck, trailer, and stacker manufacturing	<1	46,521	72,207	240,618
Power-driven handtool manufacturing	<1	39,995	101,758	289,920
Welding and soldering equipment manufacturing	<1	48,753	70,693	210,468
Packaging machinery manufacturing	<1	76,211	113,734	298,766
Industrial process furnace and oven manufacturing	<1	11,172	13,380	31,736
Fluid power cylinder and actuator manufacturing	3	201,411	277,031	723,793
Fluid power pump and motor manufacturing	2	197,484	332,624	930,537
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	60,859	75,168	209,814
Electronic computer manufacturing	6	1,644,690	3,391,631	7,514,791
Computer storage device manufacturing	1	214,355	517,338	1,569,151
Computer terminals and other computer peripheral equipment manufacturing	25	3,728,861	6,318,618	14,639,800
Telephone apparatus manufacturing	2	303,395	527,754	1,192,197

Appendix

Broadcast and wireless communications equipment manufacturing	2	226,477	347,128	769,699
Other communications equipment manufacturing	3	309,612	545,878	1,357,050
Audio and video equipment manufacturing	2	314,453	521,348	1,282,792
Printed circuit assembly (electronic assembly) manufacturing	12	888,468	1,643,433	5,549,064
Bare printed circuit board manufacturing	5	470,792	630,838	1,494,819
Semiconductor and related device manufacturing	38	7,504,381	13,318,941	27,491,991
Capacitor, resistor, coil, transformer, and other inductor manufacturing	3	221,492	318,123	793,050
Electronic connector manufacturing	18	1,640,193	2,535,705	6,629,962
Other electronic component manufacturing	10	907,260	1,255,002	3,046,129
Electromedical and electrotherapeutic apparatus manufacturing	1	193,301	364,089	725,593
Search, detection, and navigation instruments manufacturing	5	728,079	1,263,442	2,457,986
Automatic environmental control manufacturing	6	528,145	706,413	1,465,035
Industrial process variable instruments manufacturing	2	210,030	340,490	768,215
Totalizing fluid meter and counting device manufacturing	1	97,015	228,442	487,278
Electricity and signal testing instruments manufacturing	1	178,406	280,995	721,376
Analytical laboratory instrument manufacturing	11	1,361,897	2,342,402	4,899,281
Irradiation apparatus manufacturing	<1	9,966	19,257	45,688
Watch, clock, and other measuring and controlling device manufacturing	4	391,183	709,101	1,448,055
Blank magnetic and optical recording media manufacturing	2	276,303	784,451	2,014,021
Software and other prerecorded and record reproducing	4	521,300	758,518	1,466,179
Electric lamp bulb and part manufacturing	2	164,874	313,873	803,576
Lighting fixture manufacturing	12	1,038,511	1,513,539	4,018,996
Small electrical appliance manufacturing	1	124,076	266,107	806,915

Appendix

Household cooking appliance manufacturing	2	133,382	301,568	866,434
Household refrigerator and home freezer manufacturing	2	142,763	335,705	927,373
Household laundry equipment manufacturing	4	328,885	589,795	2,136,398
Other major household appliance manufacturing	<1	58,999	148,622	383,252
Power, distribution, and specialty transformer manufacturing	1	97,104	147,297	405,532
Motor and generator manufacturing	3	256,991	433,584	1,259,128
Switchgear and switchboard apparatus manufacturing	6	574,320	956,108	2,599,846
Relay and industrial control manufacturing	4	450,748	616,466	1,518,095
Storage battery manufacturing	5	442,528	627,326	1,697,264
Primary battery manufacturing	4	311,246	419,269	1,147,349
Fiber optic cable manufacturing	6	703,986	861,436	2,998,052
Other communication and energy wire manufacturing	2	168,203	249,511	943,189
Wiring device manufacturing	9	850,455	1,536,000	3,770,249
Carbon and graphite product manufacturing	10	937,927	1,560,291	4,633,052
All other miscellaneous electrical equipment and component manufacturing	4	405,940	474,060	1,282,255
Automobile manufacturing	9	971,594	2,939,336	11,636,581
Light truck and utility vehicle manufacturing	3	323,310	1,097,575	6,327,417
Heavy duty truck manufacturing	<1	33,021	75,583	424,166
Motor vehicle body manufacturing	<1	52,027	68,694	253,730
Truck trailer manufacturing	<1	4,643	6,452	25,326
Motor home manufacturing	5	370,661	594,477	2,352,064
Travel trailer and camper manufacturing	12	772,127	860,425	3,707,278
Motor vehicle gasoline engine and engine parts manufacturing	8	714,251	1,077,782	5,229,797
Motor vehicle electrical and electronic equipment manufacturing	15	1,191,883	1,634,846	7,245,295
Motor vehicle transmission and power train parts manufacturing	14	1,292,655	1,927,783	8,585,714
Motor vehicle seating and interior trim manufacturing	5	316,442	395,103	2,079,552
Motor vehicle metal stamping	13	1,018,505	1,295,627	4,968,561
Other motor vehicle parts manufacturing	28	2,023,632	2,926,686	13,409,414

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	8	670,929	1,034,089	4,492,807
Aircraft manufacturing	248	35,223,248	76,478,755	238,638,655
Aircraft engine and engine parts manufacturing	72	8,952,520	17,488,082	48,663,310
Other aircraft parts and auxiliary equipment manufacturing	84	8,305,166	11,562,205	27,833,306
Guided missile and space vehicle manufacturing	3	489,119	711,231	1,675,812
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	117,415	159,770	349,829
Railroad rolling stock manufacturing	<1	24,152	28,775	122,015
Ship building and repairing	2	180,695	222,890	536,468
Boat building	10	601,263	784,974	2,842,152
Motorcycle, bicycle, and parts manufacturing	2	183,390	557,701	1,705,849
Military armored vehicle, tank, and tank component manufacturing	11	1,104,340	2,152,511	6,966,416
All other transportation equipment manufacturing	3	215,352	391,674	1,802,275
Wood kitchen cabinet and countertop manufacturing	30	1,584,594	2,137,364	4,861,238
Upholstered household furniture manufacturing	15	733,641	817,646	2,703,939
Nonupholstered wood household furniture manufacturing	7	347,990	412,511	1,104,769
Other household nonupholstered furniture manufacturing	2	138,305	196,559	742,554
Institutional furniture manufacturing	<1	58,253	63,088	192,315
Wood office furniture manufacturing	<1	15,817	21,242	60,309
Custom architectural woodwork and millwork	<1	38,882	36,983	102,833
Office furniture, except wood, manufacturing	3	205,306	324,361	929,494
Showcase, partition, shelving, and locker manufacturing	3	175,004	250,184	667,855
Mattress manufacturing	6	336,994	580,602	2,071,360
Blind and shade manufacturing	2	129,485	137,806	477,133
Surgical and medical instrument manufacturing	8	793,800	1,393,443	2,804,331
Surgical appliance and supplies manufacturing	14	1,335,242	2,363,998	5,139,119
Dental equipment and supplies manufacturing	1	91,471	139,543	305,054

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Ophthalmic goods manufacturing	7	593,493	993,478	1,937,493
Dental laboratories	13	814,703	839,761	1,439,627
Jewelry and silverware manufacturing	11	579,369	899,551	2,282,008
Sporting and athletic goods manufacturing	10	698,984	928,381	2,669,765
Doll, toy, and game manufacturing	4	368,969	557,941	1,324,037
Office supplies (except paper) manufacturing	3	207,716	278,390	830,414
Sign manufacturing	11	713,623	633,844	1,582,894
Gasket, packing, and sealing device manufacturing	5	398,302	476,283	1,132,598
Musical instrument manufacturing	1	84,174	92,275	209,055
Fasteners, buttons, needles, and pins manufacturing	<1	67,131	83,808	203,669
Broom, brush, and mop manufacturing	2	155,486	244,981	655,673
Burial casket manufacturing	<1	43,864	51,642	121,802
All other miscellaneous manufacturing	14	999,212	1,301,574	3,227,270
Wholesale - Motor vehicle and motor vehicle parts and supplies	63	4,727,272	10,698,117	23,188,247
Wholesale - Professional and commercial equipment and supplies	182	23,437,968	37,368,866	60,119,093
Wholesale - Household appliances and electrical and electronic goods	98	10,614,071	24,702,873	48,946,767
Wholesale - Machinery, equipment, and supplies	144	13,028,025	24,939,727	41,799,637
Wholesale - Other durable goods merchant wholesalers	267	21,703,369	37,524,419	69,606,875
Wholesale - Drugs and druggists' sundries	79	11,477,440	32,217,156	59,620,068
Wholesale - Grocery and related product wholesalers	230	17,051,219	23,112,943	44,770,271
Wholesale - Petroleum and petroleum products	30	3,278,042	41,115,323	46,764,783
Wholesale - Other nondurable goods merchant wholesalers	317	26,236,351	57,583,663	101,008,993
Wholesale - Wholesale electronic markets and agents and brokers	147	17,382,849	18,077,570	20,825,873
Retail - Motor vehicle and parts dealers	302	18,689,602	29,575,092	42,499,208
Retail - Furniture and home furnishings stores	218	9,848,142	13,204,057	21,017,206
Retail - Electronics and appliance stores	206	11,360,634	11,302,143	18,880,374

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Retail - Building material and garden equipment and supplies stores	281	12,386,914	22,931,841	33,534,689
Retail - Food and beverage stores	872	30,608,990	41,374,616	66,391,900
Retail - Health and personal care stores	421	19,611,297	24,600,857	37,393,357
Retail - Gasoline stores	240	9,809,611	15,594,821	27,252,962
Retail - Clothing and clothing accessories stores	469	13,365,902	21,779,289	43,676,943
Retail - Sporting goods, hobby, musical instrument and book stores	274	7,979,897	10,725,023	17,096,459
Retail - General merchandise stores	893	28,364,696	42,877,968	69,079,476
Retail - Miscellaneous store retailers	539	14,598,411	17,984,015	28,747,599
Retail - Nonstore retailers	606	18,682,417	58,970,575	108,396,201
Air transportation	171	19,141,308	43,116,261	72,669,433
Rail transportation	45	5,684,055	10,879,324	20,635,401
Water transportation	26	2,997,500	5,052,057	18,495,337
Truck transportation	611	39,053,668	46,950,548	93,850,470
Transit and ground passenger transportation	823	14,184,105	19,188,327	27,667,909
Pipeline transportation	13	12,121,312	11,855,658	12,996,849
Scenic and sightseeing transportation and support activities for transportation	515	36,956,071	40,097,182	78,939,194
Couriers and messengers	454	15,126,588	21,072,064	37,450,949
Warehousing and storage	503	20,847,502	23,726,231	45,845,389
Newspaper publishers	61	3,791,894	6,868,245	8,404,547
Periodical publishers	45	4,620,864	7,721,874	10,889,117
Book publishers	21	1,991,798	6,600,883	10,041,072
Directory, mailing list, and other publishers	15	1,201,379	3,496,771	4,728,261
Greeting card publishing	1	75,093	222,157	299,812
Software publishers	261	41,673,494	100,517,193	108,930,088
Motion picture and video industries	126	9,929,781	17,795,883	35,271,965
Sound recording industries	9	711,143	4,282,116	6,787,028
Radio and television broadcasting	121	28,442,471	32,797,016	62,440,401
Cable and other subscription programming	30	9,362,469	33,014,618	60,377,232
Wired telecommunications carriers	197	19,247,878	52,800,765	94,856,815
Wireless telecommunications carriers (except satellite)	45	4,398,094	37,658,072	87,509,749

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Satellite, telecommunications resellers, and all other telecommunications	67	7,501,181	11,967,979	29,322,006
Data processing, hosting, and related services	374	45,850,801	81,854,012	197,025,722
News syndicates, libraries, archives and all other information services	23	2,163,192	3,420,705	6,148,082
Internet publishing and broadcasting and web search portals	264	64,238,556	130,583,154	333,820,454
Nondepository credit intermediation and related activities	333	39,230,444	50,410,876	78,636,112
Securities and commodity contracts intermediation and brokerage	605	50,520,574	43,637,774	83,221,208
Monetary authorities and depository credit intermediation	816	82,866,916	232,740,065	366,334,729
Other financial investment activities	608	50,108,753	59,802,826	137,986,886
Direct life insurance carriers	108	11,196,234	21,053,801	30,424,449
Insurance carriers, except direct life	426	39,169,611	118,452,890	251,920,915
Insurance agencies, brokerages, and related activities	533	43,739,864	67,383,495	155,893,399
Funds, trusts, and other financial vehicles	190	10,607,435	15,061,213	60,565,456
Other real estate	4,817	140,279,652	410,885,226	976,877,672
Tenant-occupied housing	397	10,750,168	143,057,793	160,846,755
Owner-occupied dwellings	0	0	445,746,376	565,855,424
Automotive equipment rental and leasing	111	8,656,628	22,954,383	31,323,882
General and consumer goods rental except video tapes and discs	107	7,246,084	9,624,363	15,554,671
Video tape and disc rental	31	1,583,712	2,710,680	4,174,951
Commercial and industrial machinery and equipment rental and leasing	110	11,470,550	29,224,075	39,680,662
Lessors of nonfinancial intangible assets	18	1,619,953	36,116,146	40,540,003
Legal services	1,476	145,876,064	234,899,193	317,310,879
Accounting, tax preparation, bookkeeping, and payroll services	641	52,780,406	73,354,606	102,055,154
Architectural, engineering, and related services	1,096	101,524,795	113,908,579	188,064,612
Specialized design services	87	6,632,068	11,244,741	16,244,562
Custom computer programming services	288	31,096,671	32,550,692	43,928,501

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Computer systems design services	371	39,803,646	37,964,078	47,609,255
Other computer related services, including facilities management	127	13,710,210	21,561,768	35,491,009
Management consulting services	2,141	207,932,214	217,310,508	332,674,905
Environmental and other technical consulting services	268	24,478,150	26,003,923	37,585,559
Scientific research and development services	23,740	2,509,981,661	3,337,975,516	5,901,768,398
Advertising, public relations, and related services	436	33,533,524	47,370,246	80,235,476
Photographic services	33	1,358,551	3,647,840	6,574,908
Veterinary services	113	5,654,043	7,330,692	11,083,362
Marketing research and all other miscellaneous professional, scientific, and technical services	1,940	163,077,411	304,234,378	521,279,699
Management of companies and enterprises	1,603	213,041,636	246,737,483	392,845,535
Office administrative services	551	40,228,568	16,741,192	38,683,902
Facilities support services	875	43,981,430	63,172,799	139,679,335
Employment services	3,868	164,682,256	231,977,421	345,217,029
Business support services	588	27,907,728	23,122,126	40,707,355
Travel arrangement and reservation services	146	8,617,671	10,946,808	24,315,205
Investigation and security services	559	22,007,577	21,411,200	31,336,840
Services to buildings	851	27,719,586	36,932,319	68,147,394
Landscape and horticultural services	459	18,970,837	22,702,619	39,705,226
Other support services	183	9,502,203	11,828,344	22,049,400
Waste management and remediation services	166	12,566,067	21,520,893	38,577,074
Elementary and secondary schools	368	16,880,536	14,610,016	17,168,123
Junior colleges, colleges, universities, and professional schools	714	35,321,751	48,177,647	62,871,536
Other educational services	313	12,978,874	14,668,701	27,356,277
Offices of physicians	1,139	119,639,992	125,711,222	177,684,853
Offices of dentists	370	24,451,150	31,315,824	44,217,819
Offices of other health practitioners	342	18,860,308	28,167,230	37,473,043
Outpatient care centers	377	30,557,049	28,360,731	46,233,555
Medical and diagnostic laboratories	111	9,097,812	13,557,231	19,076,255
Home health care services	569	24,546,801	23,633,165	30,886,607
Other ambulatory health care services	118	7,310,366	8,236,472	13,199,662

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Hospitals	1,688	146,072,950	171,887,750	321,950,593
Nursing and community care facilities	672	28,319,113	31,389,846	54,493,878
Residential mental retardation, mental health, substance abuse and other facilities	254	10,581,435	11,346,048	17,741,715
Individual and family services	1,031	28,963,580	25,511,598	38,637,382
Child day care services	397	11,590,667	16,796,665	22,552,738
Community food, housing, and other relief services, including rehabilitation services	242	8,557,452	8,460,157	18,470,637
Performing arts companies	141	4,660,729	6,554,262	10,643,225
Commercial Sports Except Racing	312	13,672,702	9,907,321	15,604,724
Racing and Track Operation	24	800,698	1,463,343	2,351,031
Independent artists, writers, and performers	144	6,116,164	16,797,873	22,665,585
Promoters of performing arts and sports and agents for public figures	186	6,156,998	10,877,560	19,452,182
Museums, historical sites, zoos, and parks	45	2,048,090	2,602,284	4,429,542
Amusement parks and arcades	51	1,608,161	3,103,020	4,357,788
Gambling industries (except casino hotels)	168	6,559,295	16,221,300	24,630,870
Other amusement and recreation industries	228	6,869,068	7,835,911	13,818,323
Fitness and recreational sports centers	215	4,760,177	6,408,227	11,373,949
Bowling centers	27	721,129	1,115,276	1,905,853
Hotels and motels, including casino hotels	728	30,989,509	56,308,462	84,883,872
Other accommodations	171	8,873,618	12,246,358	15,655,097
Full-service restaurants	2,236	61,638,715	91,083,009	151,984,268
Limited-service restaurants	1,786	40,811,304	66,502,137	139,583,998
All other food and drinking places	1,233	39,810,201	57,114,825	84,368,741
Automotive repair and maintenance, except car washes	708	40,504,917	44,356,948	65,862,948
Car washes	333	18,321,949	28,217,208	42,082,249
Electronic and precision equipment repair and maintenance	286	21,234,548	26,020,159	40,816,731
Commercial and industrial machinery and equipment repair and maintenance	296	21,934,003	21,393,866	32,436,598
Personal and household goods repair and maintenance	119	5,677,187	10,568,844	15,083,811
Personal care services	599	17,544,558	14,926,702	20,382,754
Death care services	116	3,930,177	2,163,290	3,368,089

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Dry-cleaning and laundry services	303	9,679,207	4,944,060	7,304,818
Other personal services	388	12,353,387	15,022,968	21,978,384
Religious organizations	685	35,725,471	15,358,048	56,864,414
Grantmaking, giving, and social advocacy organizations	142	9,343,503	27,271,028	41,296,427
Business and professional associations	92	8,411,260	14,068,885	23,119,012
Labor and civic organizations	210	7,481,200	19,662,760	33,012,035
Private households	420	7,426,420	7,426,420	7,426,420
Postal service	228	20,860,271	20,868,779	22,195,843
Federal electric utilities	4	804,495	1,347,045	5,350,278
Other federal government enterprises	135	7,471,025	6,795,045	31,595,540
State government passenger transit	9	1,003,503	-642,545	659,367
State government electric utilities	1	155,304	216,669	641,725
Other state government enterprises	27	2,844,614	3,388,439	6,518,977
Local government passenger transit	81	7,327,078	-4,352,031	5,566,704
Local government electric utilities	30	4,108,702	10,163,461	18,305,163
Other local government enterprises	291	27,012,942	51,578,052	99,343,404
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,488	442,109,384	529,448,000	1,207,779,369

Investments in Climate Change Research and Technology

Table 627: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, United States

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>37,005</i>	<i>2,719,062,860</i>	<i>4,076,756,890</i>	<i>7,410,905,436</i>
Oilseed farming	4	406,062	1,184,233	2,130,042
Grain farming	27	1,027,980	1,277,759	6,823,524
Vegetable and melon farming	14	576,391	1,021,029	1,929,672
Fruit farming	18	676,194	1,251,888	1,799,456
Tree nut farming	5	248,148	459,415	660,360
Greenhouse, nursery, and floriculture production	18	652,901	943,372	1,771,236
Tobacco farming	<1	20,534	28,038	55,293
Cotton farming	2	91,620	127,889	250,145
Sugarcane and sugar beet farming	2	101,196	139,532	274,276
All other crop farming	63	567,410	778,030	1,537,875
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	61	910,900	2,388,212	7,738,372
Dairy cattle and milk production	11	468,362	946,201	4,864,266
Poultry and egg production	10	251,371	406,900	4,497,352
Animal production, except cattle and poultry and eggs	40	1,227,088	2,855,947	4,294,780
Forestry, forest products, and timber tract production	2	137,551	142,737	175,064
Commercial logging	8	504,925	476,933	735,705
Commercial fishing	7	209,717	372,027	485,307
Commercial hunting and trapping	1	32,407	112,412	162,430
Support activities for agriculture and forestry	82	3,210,891	3,056,735	3,756,373
Oil and gas extraction	32	4,859,283	9,045,907	19,717,119
Coal mining	6	575,614	1,628,444	2,778,899
Copper, nickel, lead, and zinc mining	2	197,477	600,426	1,099,314
Iron ore mining	<1	34,679	68,496	137,711
Gold ore mining	1	131,623	269,615	542,452
Silver ore mining	<1	18,914	40,593	81,745
Uranium-radium-vanadium ore mining	<1	44,253	109,719	221,506
Other metal ore mining	<1	23,399	45,678	91,813
Stone mining and quarrying	3	217,621	712,199	1,271,288
Sand and gravel mining	3	220,937	470,444	881,171
Other clay, ceramic, refractory minerals mining	<1	23,858	53,533	100,368

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Potash, soda, and borate mineral mining	<1	23,411	42,739	79,800
Phosphate rock mining	<1	9,928	22,428	42,055
Other chemical and fertilizer mineral mining	<1	16,677	34,212	64,035
Other nonmetallic minerals	<1	41,218	90,056	168,762
Drilling oil and gas wells	<1	1,707	3,021	5,796
Support activities for oil and gas operations	<1	35,442	49,994	91,916
Metal mining services	2	247,448	452,832	977,782
Other nonmetallic minerals services	<1	12,095	22,265	47,701
Electric power generation - Hydroelectric	1	221,295	622,847	1,108,367
Electric power generation - Fossil fuel	14	2,675,555	9,598,079	21,509,594
Electric power generation - Nuclear	7	1,636,701	3,615,871	6,978,725
Electric power generation - Solar	<1	99,692	359,074	652,118
Electric power generation - Wind	1	189,554	1,436,793	2,707,830
Electric power generation - Geothermal	<1	32,392	82,236	144,850
Electric power generation - Biomass	<1	48,688	214,070	525,136
Electric power generation - All other	<1	65,444	50,981	120,342
Electric power transmission and distribution	42	7,421,928	25,102,618	56,857,774
Natural gas distribution	17	3,044,083	8,237,364	15,867,374
Water, sewage and other systems	7	758,488	1,539,631	2,642,190
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	244	15,961,789	18,236,453	38,677,986
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0

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Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	123	8,133,783	12,106,879	26,708,000
Maintenance and repair construction of residential structures	56	3,460,928	5,024,242	11,069,253
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5,008	7,563	16,449
Dog and cat food manufacturing	3	273,253	815,267	3,138,718
Other animal food manufacturing	6	466,567	885,088	6,225,660
Flour milling	2	153,809	303,092	1,846,776
Rice milling	<1	34,001	54,820	331,403
Malt manufacturing	<1	14,285	28,298	172,457
Wet corn milling	2	182,694	458,914	2,701,143
Soybean and other oilseed processing	1	81,584	440,259	4,357,202
Fats and oils refining and blending	<1	69,131	140,284	1,264,809
Breakfast cereal manufacturing	1	138,740	347,965	1,226,550
Beet sugar manufacturing	<1	60,610	124,447	534,062
Sugar cane mills and refining	<1	72,256	189,243	818,073
Nonchocolate confectionery manufacturing	3	186,448	282,404	1,197,341
Chocolate and confectionery manufacturing from cacao beans	1	90,772	134,937	571,603
Confectionery manufacturing from purchased chocolate	4	225,404	328,020	1,388,107
Frozen fruits, juices and vegetables manufacturing	4	232,433	437,814	1,770,807
Frozen specialties manufacturing	8	496,990	702,279	2,805,457
Canned fruits and vegetables manufacturing	7	450,796	880,934	3,534,486
Canned specialties	1	98,896	264,677	1,072,150
Dehydrated food products manufacturing	1	89,443	151,384	604,038
Cheese manufacturing	8	532,628	771,087	6,729,196
Dry, condensed, and evaporated dairy product manufacturing	2	186,496	505,220	2,486,065
Fluid milk manufacturing	7	527,904	865,515	4,644,803
Creamery butter manufacturing	<1	27,130	120,136	662,079
Ice cream and frozen dessert manufacturing	3	181,102	253,735	1,089,567
Frozen cakes and other pastries manufacturing	23	811,937	1,157,142	2,052,899
Poultry processing	28	1,291,802	1,655,290	7,946,964

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Animal, except poultry, slaughtering	18	1,090,943	1,427,580	11,032,532
Meat processed from carcasses	14	871,215	881,738	6,623,246
Rendering and meat byproduct processing	1	97,181	105,968	523,265
Seafood product preparation and packaging	5	323,964	419,466	2,175,903
Bread and bakery product, except frozen, manufacturing	51	2,161,887	3,085,067	7,413,724
Cookie and cracker manufacturing	4	281,620	434,150	1,518,638
Dry pasta, mixes, and dough manufacturing	3	174,357	391,978	1,390,775
Tortilla manufacturing	2	126,786	158,817	549,690
Roasted nuts and peanut butter manufacturing	3	231,309	527,463	1,651,036
Other snack food manufacturing	7	463,810	1,025,907	3,477,207
Coffee and tea manufacturing	3	191,526	363,830	1,823,350
Flavoring syrup and concentrate manufacturing	1	130,282	950,365	2,166,068
Mayonnaise, dressing, and sauce manufacturing	2	174,598	328,623	1,357,311
Spice and extract manufacturing	3	289,326	499,664	2,056,890
All other food manufacturing	10	612,163	898,718	4,051,472
Bottled and canned soft drinks & water	12	986,564	1,647,316	6,942,853
Manufactured ice	<1	48,381	29,537	119,645
Breweries	15	1,005,044	2,403,419	6,044,245
Wineries	9	642,179	1,027,804	3,058,120
Distilleries	2	218,468	1,136,305	2,351,036
Tobacco product manufacturing	1	146,724	3,079,240	4,620,871
Fiber, yarn, and thread mills	2	88,644	120,761	601,850
Broadwoven fabric mills	2	112,371	159,302	552,098
Narrow fabric mills and schiffli machine embroidery	<1	19,715	21,558	66,064
Nonwoven fabric mills	1	75,945	132,613	493,371
Knit fabric mills	<1	18,171	22,938	75,676
Textile and fabric finishing mills	2	129,069	163,429	637,757
Fabric coating mills	<1	45,068	58,475	230,716
Carpet and rug mills	2	123,587	195,876	765,698
Curtain and linen mills	2	94,762	119,375	388,566
Textile bag and canvas mills	3	140,480	164,430	456,668
Rope, cordage, twine, tire cord and tire fabric mills	<1	45,908	64,722	195,478
Other textile product mills	3	141,568	168,924	473,758
Hosiery and sock mills	1	42,663	52,788	114,734
Other apparel knitting mills	<1	28,590	37,285	79,312

Appendix

Cut and sew apparel contractors	6	208,697	222,215	445,495
Mens and boys cut and sew apparel manufacturing	4	163,870	187,588	413,679
Womens and girls cut and sew apparel manufacturing	3	174,359	227,700	629,754
Other cut and sew apparel manufacturing	3	120,602	150,616	388,818
Apparel accessories and other apparel manufacturing	2	82,586	103,307	264,951
Leather and hide tanning and finishing	<1	8,295	11,418	54,107
Footwear manufacturing	2	73,609	79,819	226,008
Other leather and allied product manufacturing	<1	35,677	37,573	100,661
Sawmills	7	428,542	663,504	2,310,388
Wood preservation	<1	55,796	148,650	519,628
Veneer and plywood manufacturing	2	141,506	222,686	685,711
Engineered wood member and truss manufacturing	3	168,372	239,997	738,312
Reconstituted wood product manufacturing	1	88,352	199,977	617,497
Wood windows and door manufacturing	8	510,203	687,342	1,948,592
Cut stock, resawing lumber, and planing	1	65,543	114,533	325,492
Other millwork, including flooring	5	247,722	375,752	1,066,519
Wood container and pallet manufacturing	5	247,716	327,423	912,098
Manufactured home (mobile home) manufacturing	<1	1,864	2,307	6,423
Prefabricated wood building manufacturing	1	60,822	82,019	228,528
All other miscellaneous wood product manufacturing	2	125,552	184,819	515,422
Pulp mills	<1	26,210	43,135	163,365
Paper mills	6	624,678	1,359,364	4,582,526
Paperboard mills	3	398,929	915,300	3,269,386
Paperboard container manufacturing	16	1,308,409	1,914,886	8,110,370
Paper bag and coated and treated paper manufacturing	6	461,933	779,849	2,776,545
Stationery product manufacturing	1	81,181	118,648	490,174
Sanitary paper product manufacturing	3	265,866	733,077	2,283,777
All other converted paper product manufacturing	2	110,682	157,665	504,084
Printing	71	3,992,192	5,818,025	12,357,179

Appendix

Support activities for printing	3	203,707	281,611	450,601
Petroleum refineries	6	1,770,367	10,080,126	42,060,594
Asphalt paving mixture and block manufacturing	<1	109,161	166,538	661,940
Asphalt shingle and coating materials manufacturing	<1	93,616	309,797	674,787
Petroleum lubricating oil and grease manufacturing	2	440,945	1,443,547	3,440,288
All other petroleum and coal products manufacturing	<1	76,946	272,618	658,921
Petrochemical manufacturing	2	397,121	3,085,587	12,751,392
Industrial gas manufacturing	2	317,729	679,914	1,885,524
Synthetic dye and pigment manufacturing	<1	96,307	200,706	589,685
Other basic inorganic chemical manufacturing	3	370,355	856,894	2,469,107
Other basic organic chemical manufacturing	4	625,388	1,276,905	7,322,969
Plastics material and resin manufacturing	4	642,922	1,097,797	6,424,557
Synthetic rubber manufacturing	<1	76,798	117,684	542,679
Artificial and synthetic fibers and filaments manufacturing	2	231,969	330,612	1,491,530
Nitrogenous fertilizer manufacturing	<1	98,311	255,680	851,654
Phosphatic fertilizer manufacturing	<1	61,812	137,011	444,365
Fertilizer mixing	<1	62,347	129,690	415,571
Pesticide and other agricultural chemical manufacturing	1	153,443	474,827	1,796,378
Medicinal and botanical manufacturing	3	466,590	858,672	1,963,776
Pharmaceutical preparation manufacturing	19	3,369,866	13,234,356	29,447,718
In-vitro diagnostic substance manufacturing	2	276,409	451,472	943,592
Biological product (except diagnostic) manufacturing	2	262,283	616,675	1,155,521
Paint and coating manufacturing	3	380,939	786,063	2,838,586
Adhesive manufacturing	2	204,488	355,706	1,231,615
Soap and other detergent manufacturing	3	453,714	1,493,842	4,464,433
Polish and other sanitation good manufacturing	3	363,943	598,055	1,578,820
Surface active agent manufacturing	<1	34,601	107,646	319,526
Toilet preparation manufacturing	6	507,425	1,871,587	4,821,794
Printing ink manufacturing	<1	98,560	108,478	433,480
Explosives manufacturing	<1	34,154	39,123	123,274

Appendix

Custom compounding of purchased resins	2	155,297	280,174	1,020,461
Photographic film and chemical manufacturing	2	185,351	382,573	1,434,593
Other miscellaneous chemical product manufacturing	4	404,441	702,652	2,536,153
Plastics packaging materials and unlaminated film and sheet manufacturing	8	577,633	964,561	3,596,173
Unlaminated plastics profile shape manufacturing	3	208,595	438,605	1,333,510
Plastics pipe and pipe fitting manufacturing	3	204,230	554,319	1,723,592
Laminated plastics plate, sheet (except packaging), and shape manufacturing	2	131,728	248,651	670,276
Polystyrene foam product manufacturing	4	225,867	385,153	1,343,582
Urethane and other foam product (except polystyrene) manufacturing	4	258,451	418,548	1,565,913
Plastics bottle manufacturing	4	288,293	452,296	1,754,582
Other plastics product manufacturing	33	2,152,171	3,175,529	9,677,425
Tire manufacturing	5	374,962	594,014	2,183,695
Rubber and plastics hoses and belting manufacturing	1	82,303	122,725	346,651
Other rubber product manufacturing	8	556,586	780,111	2,574,926
Pottery, ceramics, and plumbing fixture manufacturing	1	69,156	104,917	222,168
Brick, tile, and other structural clay product manufacturing	2	119,714	219,095	467,155
Flat glass manufacturing	<1	63,527	142,970	333,335
Other pressed and blown glass and glassware manufacturing	2	176,608	312,615	723,540
Glass container manufacturing	2	164,211	277,357	640,875
Glass product manufacturing made of purchased glass	5	306,673	542,488	1,255,547
Cement manufacturing	1	115,931	302,820	735,737
Ready-mix concrete manufacturing	8	605,001	1,106,525	3,280,034
Concrete block and brick manufacturing	2	155,445	306,418	710,331
Concrete pipe manufacturing	1	80,220	150,166	347,543
Other concrete product manufacturing	7	440,685	656,477	1,506,643
Lime manufacturing	<1	35,603	92,132	214,834
Gypsum product manufacturing	2	130,745	382,967	895,431
Abrasive product manufacturing	<1	44,121	127,316	211,160

Appendix

Cut stone and stone product manufacturing	2	137,711	169,134	363,764
Ground or treated mineral and earth manufacturing	<1	41,218	121,921	249,533
Mineral wool manufacturing	<1	70,281	167,408	353,106
Miscellaneous nonmetallic mineral products manufacturing	1	78,078	240,177	491,955
Iron and steel mills and ferroalloy manufacturing	5	599,495	1,159,069	6,660,742
Iron, steel pipe and tube manufacturing from purchased steel	2	138,750	242,253	965,935
Rolled steel shape manufacturing	1	104,063	233,051	971,986
Steel wire drawing	<1	49,319	82,062	323,839
Alumina refining and primary aluminum production	<1	69,376	107,081	511,697
Secondary smelting and alloying of aluminum	<1	37,637	63,974	548,741
Aluminum sheet, plate, and foil manufacturing	1	141,541	285,058	1,436,995
Other aluminum rolling, drawing and extruding	2	168,250	242,635	1,137,754
Nonferrous metal (exc aluminum) smelting and refining	<1	26,689	131,092	433,977
Copper rolling, drawing, extruding and alloying	2	127,292	199,172	1,627,169
Nonferrous metal, except copper and aluminum, shaping	<1	75,670	92,379	387,302
Secondary processing of other nonferrous metals	<1	22,210	47,896	229,379
Ferrous metal foundries	3	219,820	351,344	856,123
Nonferrous metal foundries	3	215,091	302,235	826,098
Custom roll forming	<1	29,646	49,811	231,477
Crown and closure manufacturing and metal stamping	4	280,521	355,799	996,250
Iron and steel forging	2	128,620	207,203	676,557
Nonferrous forging	<1	55,637	81,891	262,086
Cutlery, utensil, pot, and pan manufacturing	<1	78,458	221,343	523,435
Handtool manufacturing	2	157,004	256,681	558,561
Prefabricated metal buildings and components manufacturing	3	209,374	310,477	960,186
Fabricated structural metal manufacturing	7	537,185	807,423	2,504,834
Plate work manufacturing	3	204,941	228,436	652,246
Metal window and door manufacturing	5	328,470	448,191	1,191,028
Sheet metal work manufacturing	7	496,821	663,634	1,753,782

Appendix

Ornamental and architectural metal work manufacturing	5	323,481	425,790	1,120,823
Power boiler and heat exchanger manufacturing	<1	30,734	44,652	112,205
Metal tank (heavy gauge) manufacturing	1	88,599	113,727	325,775
Metal cans manufacturing	3	305,479	680,528	2,928,901
Metal barrels, drums and pails manufacturing	1	67,989	84,225	320,971
Hardware manufacturing	2	141,694	222,243	646,101
Spring and wire product manufacturing	4	246,489	338,192	995,949
Machine shops	28	1,950,470	2,396,549	4,874,514
Turned product and screw, nut, and bolt manufacturing	4	331,610	484,311	1,264,860
Metal heat treating	2	139,754	201,925	482,662
Metal coating and nonprecious engraving	5	310,716	547,666	1,365,695
Electroplating, anodizing, and coloring metal	5	330,423	378,284	847,375
Valve and fittings, other than plumbing, manufacturing	3	306,866	480,290	1,239,621
Plumbing fixture fitting and trim manufacturing	1	97,195	268,118	801,910
Ball and roller bearing manufacturing	2	125,573	228,880	551,081
Small arms ammunition manufacturing	<1	59,900	122,772	275,182
Ammunition, except for small arms, manufacturing	<1	14,880	18,166	36,352
Small arms, ordnance, and accessories manufacturing	1	103,947	199,406	442,120
Fabricated pipe and pipe fitting manufacturing	1	92,805	119,206	310,119
Other fabricated metal manufacturing	8	534,717	710,464	1,842,878
Farm machinery and equipment manufacturing	<1	47,030	78,796	327,308
Lawn and garden equipment manufacturing	<1	13,769	23,907	125,748
Construction machinery manufacturing	<1	15,634	32,788	109,762
Mining machinery and equipment manufacturing	<1	3,872	5,793	16,774
Oil and gas field machinery and equipment manufacturing	<1	19,654	30,644	89,961
Semiconductor machinery manufacturing	<1	23,603	28,263	69,301
Food product machinery manufacturing	<1	4,681	5,565	17,117

Appendix

Sawmill, woodworking, and paper machinery	<1	12,622	14,212	42,549
Printing machinery and equipment manufacturing	<1	5,399	6,065	18,136
All other industrial machinery manufacturing	<1	22,601	29,539	76,919
Optical instrument and lens manufacturing	<1	32,357	48,569	114,424
Photographic and photocopying equipment manufacturing	<1	11,684	16,824	51,093
Other commercial service industry machinery manufacturing	1	110,662	176,092	489,262
Air purification and ventilation equipment manufacturing	<1	48,769	66,431	187,199
Heating equipment (except warm air furnaces) manufacturing	2	128,918	201,838	567,955
Air conditioning, refrigeration, and warm air heating equipment manufacturing	4	255,730	451,648	1,415,390
Industrial mold manufacturing	<1	23,532	27,511	60,123
Special tool, die, jig, and fixture manufacturing	<1	22,664	29,973	58,623
Cutting tool and machine tool accessory manufacturing	<1	24,839	28,396	68,400
Machine tool manufacturing	<1	13,450	17,276	50,888
Rolling mill and other metalworking machinery manufacturing	<1	14,811	17,696	43,553
Turbine and turbine generator set units manufacturing	<1	14,787	19,821	61,952
Speed changer, industrial high-speed drive, and gear manufacturing	<1	58,403	87,894	233,826
Mechanical power transmission equipment manufacturing	<1	51,428	80,155	198,509
Other engine equipment manufacturing	2	163,128	340,394	1,544,180
Pump and pumping equipment manufacturing	<1	21,568	37,320	109,320
Air and gas compressor manufacturing	<1	10,419	18,994	60,222
Elevator and moving stairway manufacturing	<1	6,942	10,109	32,960
Conveyor and conveying equipment manufacturing	<1	10,921	12,295	35,890
Overhead cranes, hoists, and monorail systems manufacturing	<1	6,997	12,197	42,102
Industrial truck, trailer, and stacker manufacturing	<1	16,300	25,300	84,307

Appendix

Power-driven handtool manufacturing	<1	14,964	38,071	108,468
Welding and soldering equipment manufacturing	<1	18,128	26,287	78,261
Packaging machinery manufacturing	<1	28,257	42,169	110,775
Industrial process furnace and oven manufacturing	<1	3,966	4,750	11,267
Fluid power cylinder and actuator manufacturing	<1	31,398	43,186	112,832
Fluid power pump and motor manufacturing	<1	31,165	52,492	146,850
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	19,032	23,506	65,612
Electronic computer manufacturing	3	774,306	1,596,750	3,537,898
Computer storage device manufacturing	<1	74,517	179,843	545,486
Computer terminals and other computer peripheral equipment manufacturing	10	1,431,254	2,425,284	5,619,215
Telephone apparatus manufacturing	<1	110,498	192,211	434,204
Broadcast and wireless communications equipment manufacturing	<1	63,214	96,891	214,839
Other communications equipment manufacturing	<1	98,345	173,392	431,051
Audio and video equipment manufacturing	<1	120,819	200,312	492,873
Printed circuit assembly (electronic assembly) manufacturing	9	630,435	1,166,140	3,937,482
Bare printed circuit board manufacturing	2	192,881	258,451	612,420
Semiconductor and related device manufacturing	29	5,670,054	10,063,337	20,772,010
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	98,790	141,889	353,714
Electronic connector manufacturing	11	994,584	1,537,607	4,020,293
Other electronic component manufacturing	9	755,157	1,044,600	2,535,443
Electromedical and electrotherapeutic apparatus manufacturing	<1	72,778	137,080	273,187
Search, detection, and navigation instruments manufacturing	1	195,813	339,797	661,063
Automatic environmental control manufacturing	1	122,715	164,135	340,401

Appendix

Industrial process variable instruments manufacturing	<1	70,232	113,856	256,882
Totalizing fluid meter and counting device manufacturing	<1	31,984	75,314	160,649
Electricity and signal testing instruments manufacturing	<1	117,650	185,302	475,712
Analytical laboratory instrument manufacturing	12	1,487,667	2,558,720	5,351,725
Irradiation apparatus manufacturing	<1	3,757	7,260	17,224
Watch, clock, and other measuring and controlling device manufacturing	<1	83,228	150,867	308,086
Blank magnetic and optical recording media manufacturing	<1	80,694	229,099	588,196
Software and other prerecorded and record reproducing	<1	126,898	184,644	356,908
Electric lamp bulb and part manufacturing	<1	61,551	117,175	299,991
Lighting fixture manufacturing	4	329,003	479,493	1,273,229
Small electrical appliance manufacturing	<1	46,862	100,506	304,763
Household cooking appliance manufacturing	<1	49,388	111,664	320,821
Household refrigerator and home freezer manufacturing	<1	53,496	125,794	347,501
Household laundry equipment manufacturing	1	125,510	225,080	815,301
Other major household appliance manufacturing	<1	22,484	56,639	146,057
Power, distribution, and specialty transformer manufacturing	<1	21,553	32,694	90,013
Motor and generator manufacturing	1	94,022	158,630	460,661
Switchgear and switchboard apparatus manufacturing	1	102,137	170,034	462,357
Relay and industrial control manufacturing	1	159,585	218,257	537,475
Storage battery manufacturing	2	153,672	217,845	589,391
Primary battery manufacturing	1	118,820	160,058	438,007
Fiber optic cable manufacturing	2	167,502	204,965	713,337
Other communication and energy wire manufacturing	<1	45,708	67,803	256,306
Wiring device manufacturing	3	237,210	428,423	1,051,603
Carbon and graphite product manufacturing	1	136,564	227,181	674,580
All other miscellaneous electrical equipment and component manufacturing	2	225,873	263,776	713,472
Automobile manufacturing	3	368,743	1,115,547	4,416,357

Appendix

Light truck and utility vehicle manufacturing	1	122,961	417,427	2,406,428
Heavy duty truck manufacturing	<1	12,488	28,585	160,418
Motor vehicle body manufacturing	<1	19,483	25,724	95,016
Truck trailer manufacturing	<1	1,617	2,247	8,822
Motor home manufacturing	2	141,112	226,320	895,440
Travel trailer and camper manufacturing	5	298,066	332,151	1,431,126
Motor vehicle gasoline engine and engine parts manufacturing	3	264,256	398,754	1,934,901
Motor vehicle electrical and electronic equipment manufacturing	5	438,111	600,936	2,663,220
Motor vehicle transmission and power train parts manufacturing	5	440,979	657,647	2,928,945
Motor vehicle seating and interior trim manufacturing	1	88,635	110,668	582,480
Motor vehicle metal stamping	4	329,504	419,158	1,607,418
Other motor vehicle parts manufacturing	9	681,817	986,080	4,517,996
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	248,372	382,810	1,663,195
Aircraft manufacturing	<1	64,078	139,130	434,131
Aircraft engine and engine parts manufacturing	<1	62,590	122,264	340,220
Other aircraft parts and auxiliary equipment manufacturing	5	467,471	650,800	1,566,648
Guided missile and space vehicle manufacturing	<1	127,404	185,259	436,509
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	30,957	42,124	92,235
Railroad rolling stock manufacturing	<1	9,229	10,996	46,628
Ship building and repairing	<1	58,773	72,497	174,493
Boat building	4	228,750	298,643	1,081,295
Motorcycle, bicycle, and parts manufacturing	<1	69,256	210,612	644,203
Military armored vehicle, tank, and tank component manufacturing	3	285,526	556,530	1,801,162
All other transportation equipment manufacturing	1	80,807	146,968	676,269
Wood kitchen cabinet and countertop manufacturing	12	609,295	821,841	1,869,202
Upholstered household furniture manufacturing	6	279,497	311,500	1,030,125

Appendix

Nonupholstered wood household furniture manufacturing	3	136,149	161,392	432,233
Other household nonupholstered furniture manufacturing	<1	52,452	74,545	281,613
Institutional furniture manufacturing	<1	13,994	15,155	46,199
Wood office furniture manufacturing	<1	15,262	20,497	58,195
Custom architectural woodwork and millwork	<1	13,727	13,056	36,304
Office furniture, except wood, manufacturing	5	386,388	610,451	1,749,316
Showcase, partition, shelving, and locker manufacturing	1	69,871	99,887	266,643
Mattress manufacturing	2	127,410	219,514	783,139
Blind and shade manufacturing	<1	49,236	52,400	181,428
Surgical and medical instrument manufacturing	3	294,214	516,465	1,039,397
Surgical appliance and supplies manufacturing	5	495,330	876,965	1,906,442
Dental equipment and supplies manufacturing	<1	34,873	53,200	116,300
Ophthalmic goods manufacturing	3	225,613	377,665	736,526
Dental laboratories	5	310,215	319,756	548,167
Jewelry and silverware manufacturing	4	220,097	341,731	866,913
Sporting and athletic goods manufacturing	4	270,169	358,835	1,031,910
Doll, toy, and game manufacturing	1	138,011	208,694	495,248
Office supplies (except paper) manufacturing	1	90,303	121,028	361,017
Sign manufacturing	3	230,075	204,354	510,331
Gasket, packing, and sealing device manufacturing	2	131,679	157,459	374,437
Musical instrument manufacturing	<1	32,189	35,286	79,944
Fasteners, buttons, needles, and pins manufacturing	<1	25,824	32,239	78,346
Broom, brush, and mop manufacturing	<1	57,445	90,509	242,241
Burial casket manufacturing	<1	16,704	19,667	46,385
All other miscellaneous manufacturing	5	359,522	468,313	1,161,190
Wholesale - Motor vehicle and motor vehicle parts and supplies	23	1,719,186	3,890,627	8,432,963
Wholesale - Professional and commercial equipment and supplies	67	8,564,837	13,655,546	21,969,065

Appendix

Wholesale - Household appliances and electrical and electronic goods	37	4,063,841	9,458,063	18,740,396
Wholesale - Machinery, equipment, and supplies	42	3,758,636	7,195,209	12,059,359
Wholesale - Other durable goods merchant wholesalers	94	7,615,581	13,167,092	24,424,632
Wholesale - Drugs and druggists' sundries	29	4,272,414	11,992,659	22,193,242
Wholesale - Grocery and related product wholesalers	95	7,075,737	9,591,168	18,578,300
Wholesale - Petroleum and petroleum products	11	1,220,352	15,306,446	17,409,632
Wholesale - Other nondurable goods merchant wholesalers	120	9,907,734	21,745,539	38,144,413
Wholesale - Wholesale electronic markets and agents and brokers	60	7,068,841	7,351,354	8,468,968
Retail - Motor vehicle and parts dealers	113	7,003,333	11,082,323	15,925,224
Retail - Furniture and home furnishings stores	83	3,733,622	5,005,915	7,968,031
Retail - Electronics and appliance stores	78	4,307,067	4,284,892	7,157,967
Retail - Building material and garden equipment and supplies stores	104	4,575,223	8,470,090	12,386,351
Retail - Food and beverage stores	332	11,647,528	15,744,133	25,263,869
Retail - Health and personal care stores	160	7,464,389	9,363,500	14,232,540
Retail - Gasoline stores	91	3,738,700	5,943,595	10,386,818
Retail - Clothing and clothing accessories stores	178	5,082,580	8,281,893	16,608,797
Retail - Sporting goods, hobby, musical instrument and book stores	104	3,025,417	4,066,176	6,481,778
Retail - General merchandise stores	339	10,765,502	16,273,852	26,218,340
Retail - Miscellaneous store retailers	204	5,534,540	6,818,088	10,898,771
Retail - Nonstore retailers	229	7,070,538	22,317,975	41,023,574
Air transportation	64	7,189,528	16,194,587	27,294,840
Rail transportation	16	2,004,338	3,836,318	7,276,552
Water transportation	8	974,259	1,642,039	6,011,426
Truck transportation	239	15,298,747	18,392,244	36,764,655
Transit and ground passenger transportation	310	5,346,356	7,232,578	10,428,752
Pipeline transportation	5	4,688,286	4,585,536	5,026,926
Scenic and sightseeing transportation and support activities for transportation	164	11,756,324	12,755,563	25,111,835

Appendix

Couriers and messengers	160	5,327,471	7,421,423	13,189,944
Warehousing and storage	187	7,727,502	8,794,555	16,993,419
Newspaper publishers	21	1,269,690	2,299,784	2,814,205
Periodical publishers	15	1,546,054	2,583,594	3,643,294
Book publishers	7	686,628	2,275,508	3,461,436
Directory, mailing list, and other publishers	8	630,629	1,835,528	2,481,963
Greeting card publishing	<1	30,388	89,902	121,327
Software publishers	94	15,030,244	36,253,210	39,287,462
Motion picture and video industries	46	3,589,318	6,432,679	12,749,759
Sound recording industries	4	297,391	1,790,726	2,838,248
Radio and television broadcasting	40	9,426,414	10,869,599	20,694,021
Cable and other subscription programming	10	3,202,648	11,293,410	20,653,422
Wired telecommunications carriers	73	7,170,463	19,670,009	35,337,261
Wireless telecommunications carriers (except satellite)	17	1,624,695	13,911,226	32,326,879
Satellite, telecommunications resellers, and all other telecommunications	50	5,526,822	8,817,930	21,604,265
Data processing, hosting, and related services	147	18,078,291	32,273,823	77,684,320
News syndicates, libraries, archives and all other information services	9	866,864	1,370,792	2,463,744
Internet publishing and broadcasting and web search portals	53	12,771,970	25,962,666	66,370,498
Nondepository credit intermediation and related activities	127	14,969,147	19,235,261	30,005,155
Securities and commodity contracts intermediation and brokerage	221	18,434,685	15,923,189	30,366,970
Monetary authorities and depository credit intermediation	288	29,237,356	82,116,053	129,251,326
Other financial investment activities	228	18,808,867	22,447,643	51,794,883
Direct life insurance carriers	41	4,276,845	8,042,333	11,621,823
Insurance carriers, except direct life	157	14,467,123	43,750,053	93,045,880
Insurance agencies, brokerages, and related activities	227	18,649,731	28,730,863	66,469,570
Funds, trusts, and other financial vehicles	73	4,058,505	5,762,563	23,172,920
Other real estate	1,666	48,523,915	142,128,665	337,910,226
Tenant-occupied housing	151	4,096,877	54,519,164	61,298,518

Appendix

Owner-occupied dwellings	0	0	169,633,726	215,342,556
Automotive equipment rental and leasing	43	3,351,812	8,887,846	12,128,483
General and consumer goods rental except video tapes and discs	44	2,991,280	3,973,066	6,421,176
Video tape and disc rental	12	602,878	1,031,885	1,589,295
Commercial and industrial machinery and equipment rental and leasing	39	4,121,899	10,501,561	14,259,096
Lessors of nonfinancial intangible assets	6	524,956	11,703,679	13,137,259
Legal services	440	43,464,874	69,989,987	94,545,171
Accounting, tax preparation, bookkeeping, and payroll services	220	18,115,474	25,177,022	35,027,723
Architectural, engineering, and related services	364	33,750,586	37,867,412	62,519,613
Specialized design services	32	2,425,747	4,112,880	5,941,616
Custom computer programming services	79	8,476,642	8,872,994	11,974,470
Computer systems design services	113	12,146,154	11,584,807	14,528,050
Other computer related services, including facilities management	42	4,546,230	7,149,764	11,768,624
Management consulting services	1,134	110,124,248	115,091,143	176,189,983
Environmental and other technical consulting services	83	7,539,836	8,009,809	11,577,221
Scientific research and development services	6,135	648,650,148	862,627,144	1,525,183,630
Advertising, public relations, and related services	140	10,749,037	15,184,343	25,719,161
Photographic services	11	455,290	1,222,498	2,203,444
Veterinary services	42	2,114,852	2,741,989	4,145,647
Marketing research and all other miscellaneous professional, scientific, and technical services	235	19,709,751	36,770,168	63,002,551
Management of companies and enterprises	514	68,354,054	79,165,310	126,043,835
Office administrative services	169	12,356,542	5,142,197	11,882,085
Facilities support services	74	3,705,461	5,322,346	11,768,066
Employment services	1,145	48,732,324	68,646,126	102,155,682
Business support services	224	10,642,113	8,817,209	15,523,021
Travel arrangement and reservation services	50	2,976,294	3,780,711	8,397,768
Investigation and security services	182	7,180,133	6,985,561	10,223,873
Services to buildings	305	9,917,026	13,212,995	24,380,575
Landscape and horticultural services	208	8,579,688	10,267,412	17,956,956

Appendix

Other support services	71	3,713,197	4,622,189	8,616,294
Waste management and remediation services	58	4,418,344	7,566,942	13,564,051
Elementary and secondary schools	140	6,408,093	5,546,171	6,517,265
Junior colleges, colleges, universities, and professional schools	4,291	212,261,482	289,517,321	377,818,348
Other educational services	134	5,568,028	6,292,975	11,736,034
Offices of physicians	433	45,544,215	47,855,394	67,640,569
Offices of dentists	141	9,310,488	11,924,413	16,837,223
Offices of other health practitioners	130	7,181,674	10,725,586	14,269,076
Outpatient care centers	144	11,632,708	10,796,596	17,600,569
Medical and diagnostic laboratories	43	3,495,866	5,209,413	7,330,117
Home health care services	217	9,347,650	8,999,729	11,761,907
Other ambulatory health care services	45	2,784,178	3,136,888	5,027,136
Hospitals	642	55,584,463	65,407,649	122,510,368
Nursing and community care facilities	256	10,798,487	11,969,402	20,779,303
Residential mental retardation, mental health, substance abuse and other facilities	97	4,029,222	4,320,373	6,755,729
Individual and family services	392	11,016,883	9,703,852	14,696,509
Child day care services	151	4,406,558	6,385,782	8,574,135
Community food, housing, and other relief services, including rehabilitation services	92	3,255,078	3,218,069	7,025,848
Performing arts companies	52	1,712,136	2,407,732	3,909,827
Commercial Sports Except Racing	113	4,941,069	3,580,328	5,639,267
Racing and Track Operation	9	304,608	556,697	894,397
Independent artists, writers, and performers	50	2,144,178	5,888,926	7,946,003
Promoters of performing arts and sports and agents for public figures	68	2,240,119	3,957,614	7,077,344
Museums, historical sites, zoos, and parks	17	779,343	990,226	1,685,538
Amusement parks and arcades	20	614,229	1,185,184	1,664,436
Gambling industries (except casino hotels)	64	2,499,076	6,180,276	9,384,302
Other amusement and recreation industries	86	2,588,234	2,952,536	5,206,682
Fitness and recreational sports centers	81	1,801,565	2,425,296	4,304,653
Bowling centers	10	274,300	424,223	724,939

Appendix

Hotels and motels, including casino hotels	274	11,650,431	21,169,031	31,911,887
Other accommodations	63	3,296,385	4,549,295	5,815,579
Full-service restaurants	831	22,905,997	33,847,999	56,479,945
Limited-service restaurants	674	15,401,929	25,097,487	52,678,120
All other food and drinking places	438	14,141,100	20,287,927	29,968,872
Automotive repair and maintenance, except car washes	264	15,105,935	16,542,515	24,562,979
Car washes	124	6,820,140	10,503,539	15,664,645
Electronic and precision equipment repair and maintenance	987	73,212,653	89,712,523	140,728,271
Commercial and industrial machinery and equipment repair and maintenance	116	8,616,902	8,404,706	12,742,908
Personal and household goods repair and maintenance	39	1,849,322	3,442,762	4,913,495
Personal care services	228	6,678,587	5,682,063	7,758,987
Death care services	44	1,497,220	824,116	1,283,090
Dry-cleaning and laundry services	122	3,896,184	1,990,139	2,940,418
Other personal services	142	4,500,422	5,472,968	8,006,872
Religious organizations	261	13,592,199	5,843,160	21,634,772
Grantmaking, giving, and social advocacy organizations	78	5,101,360	14,889,418	22,546,997
Business and professional associations	34	3,124,930	5,226,836	8,589,116
Labor and civic organizations	80	2,846,236	7,480,734	12,559,490
Private households	159	2,822,687	2,822,687	2,822,687
Postal service	83	7,543,002	7,546,079	8,025,941
Federal electric utilities	2	298,269	499,421	1,983,631
Other federal government enterprises	274	15,117,668	13,749,817	63,933,780
State government passenger transit	3	378,254	-242,197	248,538
State government electric utilities	<1	58,342	81,394	241,072
Other state government enterprises	11	1,130,009	1,346,041	2,589,631
Local government passenger transit	30	2,761,825	-1,640,428	2,098,280
Local government electric utilities	11	1,534,973	3,796,974	6,838,638
Other local government enterprises	115	10,689,300	20,409,968	39,311,211
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	<1	15,882	18,301	18,301
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	<1	43,767	50,545	50,545
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,850	330,647,804	393,801,622	899,468,648

Alabama

NASA

Table 628: Detailed NASA Impacts by Types of Impact, Alabama

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>41,084</i>	<i>2,685,018,127</i>	<i>3,954,700,356</i>	<i>8,029,760,101</i>
Oilseed farming	3	940,498	1,169,846	1,562,320
Grain farming	14	1,215,353	10,011	3,255,396
Vegetable and melon farming	7	317,163	396,825	801,581
Fruit farming	2	77,247	98,453	164,983
Tree nut farming	3	78,219	107,367	197,953
Greenhouse, nursery, and floriculture production	13	591,932	702,973	1,533,382
Tobacco farming	0	0	0	0
Cotton farming	5	288,136	342,124	733,198
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	97	713,976	734,540	1,683,478
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	28	819,703	1,172,034	2,304,062
Dairy cattle and milk production	<1	22,887	29,735	119,151
Poultry and egg production	21	545,383	643,992	10,755,650
Animal production, except cattle and poultry and eggs	67	4,183,858	4,595,395	6,517,904
Forestry, forest products, and timber tract production	3	141,948	142,563	192,605
Commercial logging	15	691,663	663,386	1,165,486
Commercial fishing	6	5,707	174,833	443,213
Commercial hunting and trapping	1	5,728	71,895	124,310
Support activities for agriculture and forestry	66	3,358,206	3,297,427	3,851,406
Oil and gas extraction	25	737,996	2,291,133	11,442,402
Coal mining	18	2,055,465	6,247,203	9,397,026
Copper, nickel, lead, and zinc mining	<1	26,200	101,428	222,844
Iron ore mining	<1	85,711	163,524	274,347
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	105,028	234,255	400,480
Other metal ore mining	<1	27,487	54,301	114,426
Stone mining and quarrying	4	333,464	1,373,678	2,172,408
Sand and gravel mining	4	245,251	604,013	1,106,343

Appendix

Other clay, ceramic, refractory minerals mining	<1	34,605	78,959	124,511
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	12,993	29,721	62,895
Drilling oil and gas wells	<1	122	90	409
Support activities for oil and gas operations	<1	17,934	16,652	36,506
Metal mining services	<1	3,386	11,584	66,119
Other nonmetallic minerals services	<1	3,399	2,119	24,054
Electric power generation - Hydroelectric	2	239,351	624,944	1,321,132
Electric power generation - Fossil fuel	16	2,210,354	7,190,275	20,444,859
Electric power generation - Nuclear	12	2,330,670	4,543,018	9,992,187
Electric power generation - Solar	<1	6,823	20,583	46,255
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	118,072	433,711	1,251,430
Electric power generation - All other	<1	45,890	22,440	82,229
Electric power transmission and distribution	43	6,845,756	20,126,320	52,233,296
Natural gas distribution	16	1,818,480	4,455,987	11,866,916
Water, sewage and other systems	4	304,584	583,201	1,238,800
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	158	9,263,806	9,827,869	23,211,228
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	144	7,808,037	9,424,207	26,520,299
Maintenance and repair construction of residential structures	68	3,442,036	4,292,234	11,671,085
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,643	3,284	9,040
Dog and cat food manufacturing	4	352,594	814,960	3,916,355
Other animal food manufacturing	3	229,608	353,720	3,368,499
Flour milling	<1	36,806	58,949	493,188
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	3	455,653	1,017,335	5,664,034
Soybean and other oilseed processing	<1	40,122	158,811	1,722,236
Fats and oils refining and blending	<1	47,069	79,126	939,527
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,273	2,826	55,699
Nonchocolate confectionery manufacturing	<1	14,790	20,576	139,048
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	1,145	1,480	23,959
Frozen fruits, juices and vegetables manufacturing	3	97,224	162,328	1,395,252
Frozen specialties manufacturing	<1	18,739	23,903	197,590
Canned fruits and vegetables manufacturing	<1	25,488	43,709	212,911
Canned specialties	<1	10,830	22,172	210,888
Dehydrated food products manufacturing	<1	1,602	2,498	20,650
Cheese manufacturing	<1	10,447	13,527	147,713
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	2	123,961	171,966	1,187,604
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	3	140,792	177,797	913,484
Frozen cakes and other pastries manufacturing	6	165,155	243,697	477,883

Appendix

Poultry processing	74	3,350,162	3,932,549	20,741,593
Animal, except poultry, slaughtering	1	52,715	67,778	750,021
Meat processed from carcasses	3	167,707	168,476	1,318,554
Rendering and meat byproduct processing	<1	23,662	24,741	142,703
Seafood product preparation and packaging	5	239,611	279,654	1,939,954
Bread and bakery product, except frozen, manufacturing	15	565,036	770,592	2,026,778
Cookie and cracker manufacturing	<1	51,293	66,624	271,121
Dry pasta, mixes, and dough manufacturing	<1	19,529	35,896	170,081
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	1	83,304	160,497	658,715
Other snack food manufacturing	2	97,664	163,608	814,655
Coffee and tea manufacturing	1	109,916	172,160	789,595
Flavoring syrup and concentrate manufacturing	<1	4,738	27,141	75,901
Mayonnaise, dressing, and sauce manufacturing	<1	28,450	46,907	311,136
Spice and extract manufacturing	<1	38,634	56,143	361,410
All other food manufacturing	1	83,700	111,416	558,620
Bottled and canned soft drinks & water	10	805,850	1,184,367	5,642,380
Manufactured ice	<1	43,181	16,568	120,166
Breweries	3	83,145	159,868	803,287
Wineries	<1	34,841	48,794	199,827
Distilleries	<1	8,330	35,632	137,256
Tobacco product manufacturing	<1	73,629	1,107,377	2,362,190
Fiber, yarn, and thread mills	7	348,284	385,498	2,329,380
Broadwoven fabric mills	6	364,784	391,208	1,580,880
Narrow fabric mills and schiffli machine embroidery	<1	13,915	14,092	51,876
Nonwoven fabric mills	<1	55,146	55,236	341,875
Knit fabric mills	<1	3,154	3,188	13,911
Textile and fabric finishing mills	<1	3,038	3,168	25,699
Fabric coating mills	<1	490	492	4,274
Carpet and rug mills	5	268,434	281,217	1,710,697
Curtain and linen mills	2	78,257	81,988	304,520
Textile bag and canvas mills	2	77,929	79,617	255,411
Rope, cordage, twine, tire cord and tire fabric mills	1	70,134	73,740	264,989
Other textile product mills	2	79,409	82,190	252,428
Hosiery and sock mills	4	91,812	91,709	266,747

Appendix

Other apparel knitting mills	<1	8,502	10,464	27,051
Cut and sew apparel contractors	<1	11,251	12,861	35,667
Mens and boys cut and sew apparel manufacturing	2	44,329	48,327	156,740
Womens and girls cut and sew apparel manufacturing	<1	4,116	6,032	30,746
Other cut and sew apparel manufacturing	<1	14,114	17,157	61,007
Apparel accessories and other apparel manufacturing	<1	5,270	7,099	24,249
Leather and hide tanning and finishing	<1	534	646	3,764
Footwear manufacturing	<1	1,086	1,181	6,176
Other leather and allied product manufacturing	<1	1,832	1,924	8,585
Sawmills	13	841,714	1,264,454	4,211,237
Wood preservation	1	99,309	252,854	837,567
Veneer and plywood manufacturing	4	268,592	403,321	1,219,535
Engineered wood member and truss manufacturing	2	87,900	127,807	393,601
Reconstituted wood product manufacturing	2	140,075	313,550	1,047,739
Wood windows and door manufacturing	13	784,358	1,051,346	2,979,836
Cut stock, resawing lumber, and planing	3	144,142	242,287	693,095
Other millwork, including flooring	6	314,940	482,705	1,453,338
Wood container and pallet manufacturing	5	268,557	353,546	982,656
Manufactured home (mobile home) manufacturing	<1	25,501	31,001	88,909
Prefabricated wood building manufacturing	1	104,091	137,849	306,982
All other miscellaneous wood product manufacturing	3	152,502	215,864	629,448
Pulp mills	<1	103,796	175,113	610,333
Paper mills	18	1,993,451	4,939,361	14,669,326
Paperboard mills	11	1,300,666	3,433,817	10,706,429
Paperboard container manufacturing	10	676,281	1,118,392	5,065,604
Paper bag and coated and treated paper manufacturing	5	409,033	830,570	2,418,554
Stationery product manufacturing	<1	43,458	70,683	346,872
Sanitary paper product manufacturing	<1	44,943	156,809	426,952
All other converted paper product manufacturing	2	164,380	255,933	721,358

Appendix

Printing	86	3,781,093	4,858,996	12,925,984
Support activities for printing	1	57,532	70,865	130,178
Petroleum refineries	7	1,398,499	10,408,005	45,977,891
Asphalt paving mixture and block manufacturing	<1	65,349	105,183	546,640
Asphalt shingle and coating materials manufacturing	<1	107,249	411,616	945,475
Petroleum lubricating oil and grease manufacturing	5	626,298	2,040,555	6,300,704
All other petroleum and coal products manufacturing	3	327,627	1,376,576	3,453,163
Petrochemical manufacturing	1	232,384	2,123,500	7,897,495
Industrial gas manufacturing	1	215,447	499,475	1,468,863
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	2	234,816	574,440	1,696,466
Other basic organic chemical manufacturing	4	544,881	1,181,345	6,258,596
Plastics material and resin manufacturing	5	644,419	1,157,104	7,256,476
Synthetic rubber manufacturing	<1	7,400	12,024	52,695
Artificial and synthetic fibers and filaments manufacturing	3	313,444	493,787	2,130,111
Nitrogenous fertilizer manufacturing	<1	61,330	167,189	609,059
Phosphatic fertilizer manufacturing	<1	6,061	14,298	43,435
Fertilizer mixing	<1	34,423	75,013	232,802
Pesticide and other agricultural chemical manufacturing	2	342,033	1,114,979	3,730,052
Medicinal and botanical manufacturing	<1	15,747	27,869	79,768
Pharmaceutical preparation manufacturing	2	218,376	839,850	2,470,793
In-vitro diagnostic substance manufacturing	<1	3,006	4,685	12,292
Biological product (except diagnostic) manufacturing	<1	11,009	24,879	60,025
Paint and coating manufacturing	2	160,288	341,794	1,276,105
Adhesive manufacturing	<1	10,396	18,297	79,923
Soap and other detergent manufacturing	<1	31,416	111,128	353,724
Polish and other sanitation good manufacturing	<1	35,061	58,755	249,080
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	23,022	85,496	313,796
Printing ink manufacturing	<1	59,309	65,228	248,058

Appendix

Explosives manufacturing	<1	18,204	21,191	65,567
Custom compounding of purchased resins	<1	25,595	52,303	244,199
Photographic film and chemical manufacturing	<1	7,110	17,872	78,055
Other miscellaneous chemical product manufacturing	<1	33,034	60,683	296,372
Plastics packaging materials and unlaminated film and sheet manufacturing	2	141,156	247,095	1,028,452
Unlaminated plastics profile shape manufacturing	1	68,638	161,532	521,436
Plastics pipe and pipe fitting manufacturing	1	68,357	200,405	656,007
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	57,066	112,488	323,790
Polystyrene foam product manufacturing	2	128,037	229,176	794,542
Urethane and other foam product (except polystyrene) manufacturing	2	120,014	205,145	809,755
Plastics bottle manufacturing	<1	13,911	23,481	99,140
Other plastics product manufacturing	38	2,225,542	3,388,573	10,821,377
Tire manufacturing	14	1,107,602	1,753,209	6,579,738
Rubber and plastics hoses and belting manufacturing	2	74,717	116,990	405,091
Other rubber product manufacturing	2	116,543	172,348	633,763
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,063	1,616	6,446
Brick, tile, and other structural clay product manufacturing	3	185,886	337,338	741,553
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	588	1,084	3,771
Glass container manufacturing	<1	763	1,309	5,016
Glass product manufacturing made of purchased glass	4	260,406	467,742	1,056,199
Cement manufacturing	2	163,828	421,351	1,042,413
Ready-mix concrete manufacturing	11	689,324	1,227,654	4,144,949
Concrete block and brick manufacturing	<1	47,455	90,791	216,786
Concrete pipe manufacturing	<1	60,578	105,843	258,164
Other concrete product manufacturing	5	312,907	452,222	1,113,357
Lime manufacturing	1	106,269	270,567	608,242
Gypsum product manufacturing	<1	69,274	198,022	515,114

Appendix

Abrasive product manufacturing	<1	3,214	9,419	15,480
Cut stone and stone product manufacturing	3	142,391	172,622	400,452
Ground or treated mineral and earth manufacturing	<1	46,364	133,617	294,396
Mineral wool manufacturing	1	72,682	181,429	411,015
Miscellaneous nonmetallic mineral products manufacturing	<1	22,043	66,762	141,581
Iron and steel mills and ferroalloy manufacturing	6	888,051	1,848,269	8,446,233
Iron, steel pipe and tube manufacturing from purchased steel	2	131,836	254,852	979,782
Rolled steel shape manufacturing	3	308,190	763,362	2,577,654
Steel wire drawing	<1	32,466	53,282	201,073
Alumina refining and primary aluminum production	<1	26,366	44,150	286,150
Secondary smelting and alloying of aluminum	<1	45,823	87,699	751,623
Aluminum sheet, plate, and foil manufacturing	1	159,572	363,310	1,519,183
Other aluminum rolling, drawing and extruding	<1	22,605	34,928	165,600
Nonferrous metal (exc aluminum) smelting and refining	<1	27,837	156,695	508,763
Copper rolling, drawing, extruding and alloying	2	125,723	211,677	2,032,220
Nonferrous metal, except copper and aluminum, shaping	<1	20,065	25,836	103,959
Secondary processing of other nonferrous metals	<1	11,866	25,159	142,207
Ferrous metal foundries	4	403,431	669,605	1,405,126
Nonferrous metal foundries	2	121,412	190,102	480,955
Custom roll forming	<1	28,934	54,794	241,756
Crown and closure manufacturing and metal stamping	1	75,054	101,327	330,162
Iron and steel forging	<1	26,868	48,849	150,163
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	51,644	163,867	350,715
Handtool manufacturing	<1	26,610	48,569	105,784
Prefabricated metal buildings and components manufacturing	3	228,136	350,841	1,049,910
Fabricated structural metal manufacturing	10	700,686	1,134,362	3,426,582
Plate work manufacturing	2	93,533	105,181	342,352
Metal window and door manufacturing	3	159,243	234,234	641,069
Sheet metal work manufacturing	5	276,592	394,657	1,102,609

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Ornamental and architectural metal work manufacturing	3	208,041	289,551	758,912
Power boiler and heat exchanger manufacturing	<1	5,792	9,173	21,434
Metal tank (heavy gauge) manufacturing	<1	45,415	61,450	171,408
Metal cans manufacturing	<1	12,801	34,004	182,872
Metal barrels, drums and pails manufacturing	<1	8,778	11,542	51,017
Hardware manufacturing	1	80,538	140,090	445,321
Spring and wire product manufacturing	1	70,556	104,657	296,412
Machine shops	11	717,911	930,296	1,936,828
Turned product and screw, nut, and bolt manufacturing	2	158,662	256,668	677,417
Metal heat treating	<1	51,107	81,285	184,114
Metal coating and nonprecious engraving	2	118,698	237,438	532,736
Electroplating, anodizing, and coloring metal	1	83,868	98,987	212,700
Valve and fittings, other than plumbing, manufacturing	2	127,017	224,709	579,487
Plumbing fixture fitting and trim manufacturing	<1	26,476	87,332	243,557
Ball and roller bearing manufacturing	<1	32,283	66,657	171,547
Small arms ammunition manufacturing	<1	15,125	36,999	96,083
Ammunition, except for small arms, manufacturing	<1	1,074	1,363	2,738
Small arms, ordnance, and accessories manufacturing	1	85,267	183,746	379,262
Fabricated pipe and pipe fitting manufacturing	2	139,640	184,580	455,164
Other fabricated metal manufacturing	2	124,319	177,114	522,525
Farm machinery and equipment manufacturing	<1	50,739	77,742	380,904
Lawn and garden equipment manufacturing	<1	7,383	11,578	72,965
Construction machinery manufacturing	<1	37,280	70,653	254,268
Mining machinery and equipment manufacturing	<1	767	1,088	3,537
Oil and gas field machinery and equipment manufacturing	<1	11,586	16,773	54,521
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	244	269	925

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Sawmill, woodworking, and paper machinery	<1	22,331	24,238	79,527
Printing machinery and equipment manufacturing	<1	604	650	1,994
All other industrial machinery manufacturing	<1	710	850	2,596
Optical instrument and lens manufacturing	<1	304	401	1,273
Photographic and photocopying equipment manufacturing	<1	622	769	3,362
Other commercial service industry machinery manufacturing	<1	26,141	38,299	128,408
Air purification and ventilation equipment manufacturing	<1	37,848	47,879	118,239
Heating equipment (except warm air furnaces) manufacturing	1	51,967	70,769	302,211
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	43,917	69,672	273,651
Industrial mold manufacturing	<1	5,467	6,087	14,484
Special tool, die, jig, and fixture manufacturing	<1	12,423	14,982	32,282
Cutting tool and machine tool accessory manufacturing	<1	4,642	5,048	12,463
Machine tool manufacturing	<1	1,291	1,519	4,685
Rolling mill and other metalworking machinery manufacturing	<1	731	827	2,130
Turbine and turbine generator set units manufacturing	<1	2,942	3,565	15,064
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6,485	8,789	25,881
Mechanical power transmission equipment manufacturing	<1	20,301	28,787	84,361
Other engine equipment manufacturing	1	75,677	137,094	979,561
Pump and pumping equipment manufacturing	<1	406	629	2,698
Air and gas compressor manufacturing	<1	1,477	2,387	9,178
Elevator and moving stairway manufacturing	<1	1,671	2,142	7,614
Conveyor and conveying equipment manufacturing	<1	10,296	11,212	34,933
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,400	3,617	13,071
Industrial truck, trailer, and stacker manufacturing	<1	15,606	22,607	87,424

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Power-driven handtool manufacturing	<1	715	1,523	6,449
Welding and soldering equipment manufacturing	<1	2,195	2,847	8,823
Packaging machinery manufacturing	<1	668	866	2,527
Industrial process furnace and oven manufacturing	<1	923	1,025	2,567
Fluid power cylinder and actuator manufacturing	<1	8,253	10,684	31,692
Fluid power pump and motor manufacturing	<1	1,716	2,417	10,375
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,598	4,173	14,590
Electronic computer manufacturing	<1	21,689	39,119	240,634
Computer storage device manufacturing	<1	872	1,836	8,033
Computer terminals and other computer peripheral equipment manufacturing	10	1,498,944	2,334,136	5,759,911
Telephone apparatus manufacturing	<1	68,533	96,103	328,688
Broadcast and wireless communications equipment manufacturing	<1	9,668	13,621	44,007
Other communications equipment manufacturing	<1	4,259	6,323	21,323
Audio and video equipment manufacturing	<1	614	956	6,003
Printed circuit assembly (electronic assembly) manufacturing	1	72,236	111,268	438,206
Bare printed circuit board manufacturing	<1	19,946	24,446	59,103
Semiconductor and related device manufacturing	<1	4,028	6,021	19,876
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	42,884	56,668	137,079
Electronic connector manufacturing	1	156,960	216,735	532,802
Other electronic component manufacturing	2	87,445	110,851	428,778
Electromedical and electrotherapeutic apparatus manufacturing	<1	381	639	1,421
Search, detection, and navigation instruments manufacturing	<1	5,116	7,915	21,121
Automatic environmental control manufacturing	<1	39,893	50,027	104,487

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Industrial process variable instruments manufacturing	<1	9,050	12,993	32,529
Totalizing fluid meter and counting device manufacturing	<1	31,327	58,229	135,801
Electricity and signal testing instruments manufacturing	<1	1,467	2,116	6,856
Analytical laboratory instrument manufacturing	<1	53,734	82,992	206,509
Irradiation apparatus manufacturing	<1	1,192	2,046	4,762
Watch, clock, and other measuring and controlling device manufacturing	<1	2,573	4,211	12,781
Blank magnetic and optical recording media manufacturing	<1	17,102	42,243	256,446
Software and other prerecorded and record reproducing	3	161,449	218,490	747,189
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	21,879	31,479	110,104
Small electrical appliance manufacturing	<1	12,685	25,674	77,840
Household cooking appliance manufacturing	2	137,559	276,048	854,986
Household refrigerator and home freezer manufacturing	2	147,560	306,074	914,528
Household laundry equipment manufacturing	4	340,146	557,704	2,146,909
Other major household appliance manufacturing	<1	59,976	131,805	368,667
Power, distribution, and specialty transformer manufacturing	<1	16,527	23,618	68,277
Motor and generator manufacturing	<1	29,840	48,686	154,802
Switchgear and switchboard apparatus manufacturing	1	121,885	196,941	592,307
Relay and industrial control manufacturing	<1	6,370	8,436	20,596
Storage battery manufacturing	1	67,813	94,107	339,974
Primary battery manufacturing	2	123,972	-24,613	526,099
Fiber optic cable manufacturing	<1	24,587	30,463	157,441
Other communication and energy wire manufacturing	<1	8,270	12,301	61,557
Wiring device manufacturing	1	83,426	147,278	420,124
Carbon and graphite product manufacturing	4	458,868	731,551	2,082,284
All other miscellaneous electrical equipment and component manufacturing	1	144,795	162,080	427,841
Automobile manufacturing	11	1,176,857	3,515,823	15,063,375

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Light truck and utility vehicle manufacturing	3	285,516	475,387	5,216,175
Heavy duty truck manufacturing	<1	36,481	80,205	523,053
Motor vehicle body manufacturing	<1	65,268	82,547	290,631
Truck trailer manufacturing	<1	2,625	3,063	15,043
Motor home manufacturing	8	495,327	678,579	3,315,414
Travel trailer and camper manufacturing	6	341,920	368,204	1,749,523
Motor vehicle gasoline engine and engine parts manufacturing	5	498,229	687,380	3,302,627
Motor vehicle electrical and electronic equipment manufacturing	11	686,085	811,651	5,161,763
Motor vehicle transmission and power train parts manufacturing	8	544,395	782,018	4,573,050
Motor vehicle seating and interior trim manufacturing	5	298,420	330,287	2,045,138
Motor vehicle metal stamping	18	1,489,946	1,730,750	7,138,642
Other motor vehicle parts manufacturing	11	756,582	942,233	5,149,658
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	6	471,426	702,866	3,271,442
Aircraft manufacturing	<1	5,906	12,959	47,612
Aircraft engine and engine parts manufacturing	7	777,108	1,798,759	4,541,775
Other aircraft parts and auxiliary equipment manufacturing	<1	10,976	15,716	43,544
Guided missile and space vehicle manufacturing	<1	18,560	30,209	67,541
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	3,374	5,122	10,758
Railroad rolling stock manufacturing	<1	10,629	12,564	67,436
Ship building and repairing	<1	56,489	69,394	165,381
Boat building	2	145,188	194,672	716,761
Motorcycle, bicycle, and parts manufacturing	<1	13,037	40,543	124,732
Military armored vehicle, tank, and tank component manufacturing	13	967,177	1,938,322	7,750,577
All other transportation equipment manufacturing	<1	42,884	79,005	368,933
Wood kitchen cabinet and countertop manufacturing	12	575,511	1,041,117	2,151,094
Upholstered household furniture manufacturing	<1	19,574	24,526	83,429

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Nonupholstered wood household furniture manufacturing	1	63,246	90,215	228,048
Other household nonupholstered furniture manufacturing	<1	10,864	23,443	68,620
Institutional furniture manufacturing	<1	2,733	3,281	10,411
Wood office furniture manufacturing	<1	8,505	15,691	38,921
Custom architectural woodwork and millwork	<1	2,969	2,964	9,550
Office furniture, except wood, manufacturing	2	181,031	444,814	855,121
Showcase, partition, shelving, and locker manufacturing	1	58,941	115,806	273,464
Mattress manufacturing	<1	20,742	57,634	159,740
Blind and shade manufacturing	<1	1,833	2,039	8,380
Surgical and medical instrument manufacturing	<1	70,821	97,763	270,587
Surgical appliance and supplies manufacturing	1	91,209	133,080	404,309
Dental equipment and supplies manufacturing	<1	1,465	1,893	5,419
Ophthalmic goods manufacturing	<1	5,515	7,859	19,295
Dental laboratories	2	84,852	86,604	158,256
Jewelry and silverware manufacturing	2	76,100	126,250	361,054
Sporting and athletic goods manufacturing	2	87,198	104,552	381,212
Doll, toy, and game manufacturing	<1	8,625	10,624	40,777
Office supplies (except paper) manufacturing	<1	2,341	2,883	13,626
Sign manufacturing	10	662,062	562,157	1,406,194
Gasket, packing, and sealing device manufacturing	1	94,090	104,654	268,497
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	1	73,304	83,443	326,743
Burial casket manufacturing	1	71,257	81,288	214,033
All other miscellaneous manufacturing	3	167,664	200,940	561,428
Wholesale - Motor vehicle and motor vehicle parts and supplies	16	1,069,341	2,591,994	5,870,710
Wholesale - Professional and commercial equipment and supplies	42	3,982,485	6,527,888	11,765,997

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Wholesale - Household appliances and electrical and electronic goods	32	2,857,985	7,326,587	15,198,579
Wholesale - Machinery, equipment, and supplies	41	3,302,656	6,711,055	11,469,816
Wholesale - Other durable goods merchant wholesalers	77	5,436,835	9,991,012	19,278,982
Wholesale - Drugs and druggists' sundries	19	2,067,490	6,750,060	13,464,468
Wholesale - Grocery and related product wholesalers	95	6,160,289	8,731,771	17,704,827
Wholesale - Petroleum and petroleum products	15	1,083,528	16,622,782	19,296,777
Wholesale - Other nondurable goods merchant wholesalers	102	6,425,753	14,726,942	28,711,586
Wholesale - Wholesale electronic markets and agents and brokers	79	8,734,397	9,111,235	10,586,358
Retail - Motor vehicle and parts dealers	156	8,113,288	13,574,006	20,255,029
Retail - Furniture and home furnishings stores	106	3,892,816	5,262,796	9,064,954
Retail - Electronics and appliance stores	96	4,476,545	4,538,868	8,072,903
Retail - Building material and garden equipment and supplies stores	125	5,194,631	9,899,150	14,602,101
Retail - Food and beverage stores	349	10,076,216	14,154,311	24,141,810
Retail - Health and personal care stores	219	9,506,699	12,091,614	18,756,323
Retail - Gasoline stores	145	3,969,129	7,271,432	14,231,336
Retail - Clothing and clothing accessories stores	219	4,633,861	8,291,904	18,552,443
Retail - Sporting goods, hobby, musical instrument and book stores	143	3,368,335	4,507,287	7,836,710
Retail - General merchandise stores	451	13,467,415	20,591,783	33,818,716
Retail - Miscellaneous store retailers	280	4,916,152	6,550,186	12,180,114
Retail - Nonstore retailers	233	3,904,813	14,035,351	33,470,524
Air transportation	25	1,804,721	3,101,699	7,442,331
Rail transportation	17	1,818,388	4,730,213	8,257,618
Water transportation	7	618,769	998,151	4,596,055
Truck transportation	239	14,127,140	17,458,582	35,789,856
Transit and ground passenger transportation	134	1,776,270	2,169,319	3,618,684
Pipeline transportation	7	7,512,631	9,350,777	9,786,254
Scenic and sightseeing transportation and support activities for transportation	173	13,410,714	14,360,833	27,404,799

Appendix

Couriers and messengers	167	6,198,123	7,801,345	13,835,019
Warehousing and storage	207	8,731,559	9,856,892	18,929,210
Newspaper publishers	44	2,245,531	4,290,757	5,399,937
Periodical publishers	24	1,812,578	3,162,091	4,933,765
Book publishers	13	1,129,842	4,121,136	6,165,146
Directory, mailing list, and other publishers	5	260,506	859,927	1,264,830
Greeting card publishing	0	0	0	0
Software publishers	94	7,865,798	20,677,155	24,061,055
Motion picture and video industries	40	1,914,759	2,693,513	8,847,208
Sound recording industries	2	81,254	326,139	907,382
Radio and television broadcasting	93	8,572,728	11,328,714	36,301,277
Cable and other subscription programming	6	384,231	2,742,693	8,596,351
Wired telecommunications carriers	93	9,327,289	21,856,582	41,976,008
Wireless telecommunications carriers (except satellite)	19	1,520,840	10,825,962	31,765,027
Satellite, telecommunications resellers, and all other telecommunications	13	1,317,769	2,062,636	5,389,213
Data processing, hosting, and related services	265	21,186,645	38,055,462	121,606,611
News syndicates, libraries, archives and all other information services	5	216,217	275,617	863,605
Internet publishing and broadcasting and web search portals	238	28,442,039	59,708,052	262,240,898
Nondepository credit intermediation and related activities	116	8,348,033	10,734,912	20,672,481
Securities and commodity contracts intermediation and brokerage	239	12,343,270	11,671,404	28,339,187
Monetary authorities and depository credit intermediation	484	45,618,077	127,314,279	207,753,807
Other financial investment activities	128	5,487,344	7,267,383	24,661,948
Direct life insurance carriers	46	4,026,488	7,252,747	11,433,490
Insurance carriers, except direct life	167	14,217,385	39,691,940	92,807,537
Insurance agencies, brokerages, and related activities	237	18,400,263	26,679,668	66,261,962
Funds, trusts, and other financial vehicles	69	2,119,269	2,612,517	19,196,669
Other real estate	1,814	28,484,415	115,410,563	328,397,515
Tenant-occupied housing	225	3,558,539	41,410,286	51,331,904

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Owner-occupied dwellings	0	0	156,737,238	198,971,037
Automotive equipment rental and leasing	47	2,261,655	9,109,853	12,676,706
General and consumer goods rental except video tapes and discs	47	2,327,575	3,653,854	6,249,429
Video tape and disc rental	13	553,986	1,003,038	1,601,656
Commercial and industrial machinery and equipment rental and leasing	42	3,585,724	11,425,067	15,437,809
Lessors of nonfinancial intangible assets	5	177,248	7,076,142	8,211,065
Legal services	633	54,006,175	92,995,698	128,482,038
Accounting, tax preparation, bookkeeping, and payroll services	261	17,951,128	22,980,515	34,652,999
Architectural, engineering, and related services	359	32,221,213	34,980,614	59,269,260
Specialized design services	76	4,832,160	7,389,782	11,809,963
Custom computer programming services	127	10,959,996	11,746,097	16,815,725
Computer systems design services	200	18,478,869	17,236,102	22,451,271
Other computer related services, including facilities management	25	1,837,159	2,997,912	5,737,159
Management consulting services	2,633	215,248,504	221,702,298	365,015,177
Environmental and other technical consulting services	66	5,259,719	5,454,050	8,315,377
Scientific research and development services	8,343	678,084,222	863,120,607	1,766,001,083
Advertising, public relations, and related services	182	10,314,656	13,984,076	28,053,632
Photographic services	19	681,937	1,508,747	3,198,426
Veterinary services	48	1,948,252	2,351,955	3,933,668
Marketing research and all other miscellaneous professional, scientific, and technical services	1,823	141,278,399	246,349,794	451,937,766
Management of companies and enterprises	467	52,552,112	59,587,197	102,389,344
Office administrative services	135	6,745,826	1,329,659	6,759,887
Facilities support services	61	2,560,938	3,314,511	8,657,412
Employment services	2,474	72,556,429	93,358,574	166,926,382
Business support services	342	11,162,527	8,454,981	18,844,245
Travel arrangement and reservation services	33	1,496,391	1,762,546	4,844,319
Investigation and security services	295	8,514,963	8,065,905	13,357,576
Services to buildings	433	11,091,639	13,575,183	29,536,589
Landscape and horticultural services	202	6,460,769	7,340,156	14,842,589

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Other support services	78	2,320,612	2,717,995	7,106,487
Waste management and remediation services	66	4,265,233	7,205,437	14,012,804
Elementary and secondary schools	123	4,051,320	3,368,051	4,231,406
Junior colleges, colleges, universities, and professional schools	224	6,179,582	8,157,867	12,834,899
Other educational services	100	3,478,152	3,789,941	7,821,788
Offices of physicians	542	56,348,001	58,546,236	83,289,594
Offices of dentists	163	10,844,755	13,314,728	19,016,766
Offices of other health practitioners	158	9,077,418	12,769,987	17,053,687
Outpatient care centers	146	13,586,755	12,420,390	19,324,989
Medical and diagnostic laboratories	64	4,655,413	6,537,598	9,734,314
Home health care services	163	9,952,164	9,490,801	11,576,125
Other ambulatory health care services	56	3,128,265	3,446,073	5,788,195
Hospitals	537	38,482,421	50,399,436	98,156,352
Nursing and community care facilities	333	11,831,908	13,242,192	24,720,951
Residential mental retardation, mental health, substance abuse and other facilities	127	3,990,014	4,312,304	7,522,913
Individual and family services	307	7,722,897	6,245,209	10,183,044
Child day care services	173	3,935,192	4,928,189	7,444,748
Community food, housing, and other relief services, including rehabilitation services	76	2,130,834	2,066,865	5,197,000
Performing arts companies	73	1,003,083	1,250,391	3,527,470
Commercial Sports Except Racing	62	918,688	633,969	1,867,818
Racing and Track Operation	21	371,450	567,387	1,415,890
Independent artists, writers, and performers	40	519,026	1,017,980	2,816,413
Promoters of performing arts and sports and agents for public figures	76	1,049,447	1,457,524	5,225,135
Museums, historical sites, zoos, and parks	19	613,912	713,095	1,474,913
Amusement parks and arcades	17	242,160	507,436	916,897
Gambling industries (except casino hotels)	43	1,058,494	3,045,533	5,231,733
Other amusement and recreation industries	115	2,353,813	2,496,972	5,509,410
Fitness and recreational sports centers	90	1,221,159	1,541,932	3,643,954
Bowling centers	12	213,476	317,638	667,067

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Hotels and motels, including casino hotels	57	1,584,764	2,960,337	5,220,605
Other accommodations	14	450,023	595,980	869,171
Full-service restaurants	982	21,130,638	30,139,772	56,906,329
Limited-service restaurants	811	14,507,851	22,808,980	55,921,047
All other food and drinking places	521	13,834,419	19,000,618	30,541,994
Automotive repair and maintenance, except car washes	246	10,995,443	14,582,776	22,049,393
Car washes	123	5,660,784	9,424,263	14,518,306
Electronic and precision equipment repair and maintenance	675	36,433,762	40,195,616	75,006,459
Commercial and industrial machinery and equipment repair and maintenance	118	7,077,338	7,313,979	11,743,308
Personal and household goods repair and maintenance	42	1,601,141	3,377,549	4,993,254
Personal care services	217	5,004,313	4,916,641	6,894,297
Death care services	42	1,066,767	943,319	1,380,419
Dry-cleaning and laundry services	111	2,782,682	2,364,330	3,216,812
Other personal services	135	3,366,477	4,285,285	6,712,502
Religious organizations	228	8,877,528	6,757,825	20,553,774
Grantmaking, giving, and social advocacy organizations	48	2,059,917	8,246,389	12,935,010
Business and professional associations	37	2,670,674	5,320,747	8,981,663
Labor and civic organizations	54	1,707,927	5,897,993	9,391,423
Private households	178	2,096,337	2,096,018	2,096,018
Postal service	128	10,624,198	10,626,446	11,368,702
Federal electric utilities	11	2,042,557	3,308,875	13,639,371
Other federal government enterprises	82	3,031,693	2,917,265	16,527,346
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	57	4,918,806	5,827,776	12,492,591
Local government passenger transit	62	2,502,324	-2,012,682	4,531,418
Local government electric utilities	12	1,083,737	2,828,699	6,203,465
Other local government enterprises	151	10,920,144	22,916,911	47,478,114
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,386	417,097,841	505,088,886	1,129,147,408

Moon to Mars Campaign

Table 629: Detailed M2M Campaign Impacts by Types of Impact, Alabama

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,083</i>	<i>64,167,714</i>	<i>93,348,900</i>	<i>199,010,990</i>
Oilseed farming	<1	21,115	21,627	27,153
Grain farming	<1	27,585	197	75,169
Vegetable and melon farming	<1	7,052	8,935	18,241
Fruit farming	<1	1,632	2,134	3,599
Tree nut farming	<1	1,436	1,996	3,683
Greenhouse, nursery, and floriculture production	<1	17,557	21,244	47,392
Tobacco farming	0	0	0	0
Cotton farming	<1	13,647	16,395	35,117
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	20,580	21,102	50,055
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	1	22,290	33,885	65,826
Dairy cattle and milk production	<1	482	663	2,730
Poultry and egg production	<1	16,665	18,962	344,389
Animal production, except cattle and poultry and eggs	2	126,085	119,657	163,025
Forestry, forest products, and timber tract production	<1	3,484	3,516	4,879
Commercial logging	<1	25,475	24,572	44,435
Commercial fishing	<1	130	5,866	14,561
Commercial hunting and trapping	<1	164	2,549	4,129
Support activities for agriculture and forestry	2	84,380	83,455	97,411
Oil and gas extraction	<1	27,384	84,271	410,314

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Coal mining	<1	89,312	343,244	515,298
Copper, nickel, lead, and zinc mining	<1	804	2,860	6,351
Iron ore mining	<1	2,269	4,296	7,236
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	4,871	10,113	17,482
Other metal ore mining	<1	658	1,334	2,818
Stone mining and quarrying	<1	12,433	62,141	93,998
Sand and gravel mining	<1	9,749	25,752	46,868
Other clay, ceramic, refractory minerals mining	<1	1,287	3,210	4,777
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	241	609	1,298
Drilling oil and gas wells	<1	5	4	18
Support activities for oil and gas operations	<1	566	523	1,105
Metal mining services	<1	137	495	2,593
Other nonmetallic minerals services	<1	168	99	1,048
Electric power generation - Hydroelectric	<1	6,981	17,227	35,953
Electric power generation - Fossil fuel	<1	56,969	192,439	568,124
Electric power generation - Nuclear	<1	75,445	149,240	338,547
Electric power generation - Solar	<1	161	499	1,142
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,869	10,220	31,143
Electric power generation - All other	<1	947	472	1,904
Electric power transmission and distribution	1	195,611	589,984	1,560,581
Natural gas distribution	<1	47,736	116,311	318,094
Water, sewage and other systems	<1	10,003	19,264	42,048
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	26	1,532,985	1,685,579	3,895,499
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	175,635	213,316	611,409
Maintenance and repair construction of residential structures	2	80,328	100,152	278,196
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	62	77	216
Dog and cat food manufacturing	<1	7,996	18,203	90,472
Other animal food manufacturing	<1	5,726	8,618	85,375
Flour milling	<1	1,689	2,788	23,095
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	9,084	19,643	112,060
Soybean and other oilseed processing	<1	929	3,796	41,055
Fats and oils refining and blending	<1	1,104	1,878	22,266
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	29	66	1,308
Nonchocolate confectionery manufacturing	<1	305	429	3,004
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	28	37	595
Frozen fruits, juices and vegetables manufacturing	<1	2,805	4,679	42,583
Frozen specialties manufacturing	<1	548	713	6,017
Canned fruits and vegetables manufacturing	<1	693	1,206	5,864

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Canned specialties	<1	421	925	8,516
Dehydrated food products manufacturing	<1	41	65	539
Cheese manufacturing	<1	269	350	3,845
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2,799	3,909	27,785
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	4,647	5,870	31,399
Frozen cakes and other pastries manufacturing	<1	3,997	5,912	11,806
Poultry processing	3	120,218	138,724	744,874
Animal, except poultry, slaughtering	<1	1,662	2,140	23,850
Meat processed from carcasses	<1	3,823	3,826	30,649
Rendering and meat byproduct processing	<1	614	635	3,782
Seafood product preparation and packaging	<1	7,515	8,761	66,024
Bread and bakery product, except frozen, manufacturing	<1	13,519	18,585	49,362
Cookie and cracker manufacturing	<1	1,112	1,438	6,179
Dry pasta, mixes, and dough manufacturing	<1	409	768	3,572
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1,818	3,466	14,687
Other snack food manufacturing	<1	2,384	4,159	20,342
Coffee and tea manufacturing	<1	3,215	5,054	23,010
Flavoring syrup and concentrate manufacturing	<1	110	666	1,809
Mayonnaise, dressing, and sauce manufacturing	<1	828	1,407	9,446
Spice and extract manufacturing	<1	1,055	1,543	10,111
All other food manufacturing	<1	1,824	2,450	12,608
Bottled and canned soft drinks & water	<1	21,305	31,437	151,652
Manufactured ice	<1	1,088	414	3,177
Breweries	<1	2,120	4,043	20,423
Wineries	<1	648	916	3,858
Distilleries	<1	228	911	3,626
Tobacco product manufacturing	<1	1,945	25,778	57,189
Fiber, yarn, and thread mills	<1	8,163	8,326	55,624
Broadwoven fabric mills	<1	10,551	10,558	45,437
Narrow fabric mills and schiffli machine embroidery	<1	287	288	1,093

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Nonwoven fabric mills	<1	1,182	1,202	7,667
Knit fabric mills	<1	64	65	287
Textile and fabric finishing mills	<1	47	49	404
Fabric coating mills	<1	11	12	107
Carpet and rug mills	<1	7,042	6,940	45,857
Curtain and linen mills	<1	1,788	1,853	7,279
Textile bag and canvas mills	<1	1,892	1,914	6,366
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,618	2,663	10,010
Other textile product mills	<1	1,532	1,573	5,054
Hosiery and sock mills	<1	2,128	2,094	6,648
Other apparel knitting mills	<1	197	249	665
Cut and sew apparel contractors	<1	372	426	1,214
Mens and boys cut and sew apparel manufacturing	<1	862	936	3,235
Womens and girls cut and sew apparel manufacturing	<1	72	106	557
Other cut and sew apparel manufacturing	<1	277	337	1,256
Apparel accessories and other apparel manufacturing	<1	108	144	536
Leather and hide tanning and finishing	<1	16	17	105
Footwear manufacturing	<1	36	38	223
Other leather and allied product manufacturing	<1	39	41	189
Sawmills	<1	37,734	55,359	186,824
Wood preservation	<1	5,230	13,016	42,687
Veneer and plywood manufacturing	<1	15,745	23,153	69,901
Engineered wood member and truss manufacturing	<1	4,688	6,618	20,821
Reconstituted wood product manufacturing	<1	8,036	16,897	53,859
Wood windows and door manufacturing	<1	22,445	30,099	86,346
Cut stock, resawing lumber, and planing	<1	4,698	7,944	22,813
Other millwork, including flooring	<1	9,236	14,096	43,566
Wood container and pallet manufacturing	<1	7,789	10,286	28,907
Manufactured home (mobile home) manufacturing	<1	325	394	1,123
Prefabricated wood building manufacturing	<1	8,517	11,208	24,229
All other miscellaneous wood product manufacturing	<1	3,904	5,536	16,723
Pulp mills	<1	4,350	7,622	26,177

Appendix

Paper mills	<1	52,120	144,070	398,659
Paperboard mills	<1	42,644	117,100	347,935
Paperboard container manufacturing	<1	14,093	23,699	108,214
Paper bag and coated and treated paper manufacturing	<1	8,975	18,801	56,385
Stationery product manufacturing	<1	971	1,615	8,141
Sanitary paper product manufacturing	<1	1,338	4,708	12,409
All other converted paper product manufacturing	<1	3,878	6,170	16,863
Printing	1	51,957	64,423	182,931
Support activities for printing	<1	558	679	1,275
Petroleum refineries	<1	47,822	332,388	1,477,454
Asphalt paving mixture and block manufacturing	<1	3,060	4,902	26,025
Asphalt shingle and coating materials manufacturing	<1	5,297	19,828	45,173
Petroleum lubricating oil and grease manufacturing	<1	23,496	89,562	315,238
All other petroleum and coal products manufacturing	<1	12,587	57,153	142,814
Petrochemical manufacturing	<1	23,141	225,572	880,114
Industrial gas manufacturing	<1	7,549	17,322	50,056
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	7,241	16,770	49,618
Other basic organic chemical manufacturing	<1	20,516	43,622	211,116
Plastics material and resin manufacturing	<1	25,125	43,499	248,253
Synthetic rubber manufacturing	<1	278	444	1,821
Artificial and synthetic fibers and filaments manufacturing	<1	7,309	11,634	49,863
Nitrogenous fertilizer manufacturing	<1	2,330	6,258	23,591
Phosphatic fertilizer manufacturing	<1	391	881	2,724
Fertilizer mixing	<1	1,635	3,467	10,930
Pesticide and other agricultural chemical manufacturing	<1	11,502	36,848	120,596
Medicinal and botanical manufacturing	<1	282	494	1,460
Pharmaceutical preparation manufacturing	<1	4,267	15,983	48,888
In-vitro diagnostic substance manufacturing	<1	50	78	206

Appendix

Biological product (except diagnostic) manufacturing	<1	182	408	1,011
Paint and coating manufacturing	<1	4,474	9,278	34,613
Adhesive manufacturing	<1	253	436	1,997
Soap and other detergent manufacturing	<1	586	2,036	7,202
Polish and other sanitation good manufacturing	<1	662	1,093	4,835
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	480	1,729	6,450
Printing ink manufacturing	<1	346	377	1,433
Explosives manufacturing	<1	986	1,133	3,664
Custom compounding of purchased resins	<1	759	1,458	7,365
Photographic film and chemical manufacturing	<1	127	321	1,411
Other miscellaneous chemical product manufacturing	<1	816	1,466	7,005
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,429	6,115	25,597
Unlaminated plastics profile shape manufacturing	<1	1,303	3,125	10,216
Plastics pipe and pipe fitting manufacturing	<1	2,688	8,012	25,237
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,559	3,157	8,814
Polystyrene foam product manufacturing	<1	3,882	7,065	24,664
Urethane and other foam product (except polystyrene) manufacturing	<1	3,279	5,691	22,760
Plastics bottle manufacturing	<1	325	554	2,416
Other plastics product manufacturing	<1	53,214	81,343	266,819
Tire manufacturing	<1	30,024	47,944	182,891
Rubber and plastics hoses and belting manufacturing	<1	1,732	2,752	9,569
Other rubber product manufacturing	<1	2,466	3,683	13,154
Pottery, ceramics, and plumbing fixture manufacturing	<1	41	63	246
Brick, tile, and other structural clay product manufacturing	<1	8,308	15,362	32,548
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	14	26	89
Glass container manufacturing	<1	17	29	110

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Glass product manufacturing made of purchased glass	<1	6,101	11,169	24,838
Cement manufacturing	<1	8,318	22,303	54,174
Ready-mix concrete manufacturing	<1	32,994	59,854	199,015
Concrete block and brick manufacturing	<1	2,644	5,237	12,280
Concrete pipe manufacturing	<1	6,477	11,771	26,854
Other concrete product manufacturing	<1	27,471	40,650	97,943
Lime manufacturing	<1	4,307	10,855	24,237
Gypsum product manufacturing	<1	2,209	6,768	16,818
Abrasive product manufacturing	<1	120	376	606
Cut stone and stone product manufacturing	<1	4,464	5,421	12,587
Ground or treated mineral and earth manufacturing	<1	1,901	5,765	12,290
Mineral wool manufacturing	<1	3,064	7,741	17,398
Miscellaneous nonmetallic mineral products manufacturing	<1	2,191	7,241	15,134
Iron and steel mills and ferroalloy manufacturing	<1	23,658	55,323	226,978
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,175	8,949	32,623
Rolled steel shape manufacturing	<1	11,642	31,626	94,190
Steel wire drawing	<1	1,298	2,314	8,140
Alumina refining and primary aluminum production	<1	395	724	4,752
Secondary smelting and alloying of aluminum	<1	758	1,554	13,084
Aluminum sheet, plate, and foil manufacturing	<1	4,187	10,458	39,513
Other aluminum rolling, drawing and extruding	<1	593	991	4,521
Nonferrous metal (exc aluminum) smelting and refining	<1	1,125	7,140	21,015
Copper rolling, drawing, extruding and alloying	<1	4,015	7,065	68,328
Nonferrous metal, except copper and aluminum, shaping	<1	353	467	1,825
Secondary processing of other nonferrous metals	<1	209	557	2,726
Ferrous metal foundries	<1	11,908	22,204	43,471
Nonferrous metal foundries	<1	2,408	3,935	9,831
Custom roll forming	<1	467	898	3,935
Crown and closure manufacturing and metal stamping	<1	2,153	2,926	9,746
Iron and steel forging	<1	391	717	2,197

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	1,053	3,356	7,401
Handtool manufacturing	<1	478	872	1,948
Prefabricated metal buildings and components manufacturing	<1	25,940	41,362	121,488
Fabricated structural metal manufacturing	<1	26,720	43,944	134,004
Plate work manufacturing	<1	2,858	3,207	10,508
Metal window and door manufacturing	<1	6,973	10,365	28,834
Sheet metal work manufacturing	<1	7,461	10,736	30,631
Ornamental and architectural metal work manufacturing	<1	8,456	11,905	32,121
Power boiler and heat exchanger manufacturing	<1	251	385	883
Metal tank (heavy gauge) manufacturing	<1	2,937	3,994	11,262
Metal cans manufacturing	<1	274	733	3,947
Metal barrels, drums and pails manufacturing	<1	223	293	1,340
Hardware manufacturing	<1	2,085	3,668	11,890
Spring and wire product manufacturing	<1	1,240	1,850	5,209
Machine shops	<1	14,492	18,900	40,143
Turned product and screw, nut, and bolt manufacturing	<1	3,090	5,039	13,480
Metal heat treating	<1	981	1,569	3,541
Metal coating and nonprecious engraving	<1	4,176	8,422	18,783
Electroplating, anodizing, and coloring metal	<1	2,510	2,970	6,401
Valve and fittings, other than plumbing, manufacturing	<1	4,965	8,809	23,050
Plumbing fixture fitting and trim manufacturing	<1	819	2,700	7,646
Ball and roller bearing manufacturing	<1	908	1,912	4,936
Small arms ammunition manufacturing	<1	408	978	2,628
Ammunition, except for small arms, manufacturing	<1	49	62	125
Small arms, ordnance, and accessories manufacturing	<1	1,901	4,076	8,872
Fabricated pipe and pipe fitting manufacturing	<1	7,620	10,176	24,849
Other fabricated metal manufacturing	<1	9,516	13,597	40,491
Farm machinery and equipment manufacturing	<1	835	1,312	6,180

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Lawn and garden equipment manufacturing	<1	162	247	1,630
Construction machinery manufacturing	<1	1,645	3,039	11,360
Mining machinery and equipment manufacturing	<1	37	52	168
Oil and gas field machinery and equipment manufacturing	<1	605	862	2,595
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	10	11	37
Sawmill, woodworking, and paper machinery	<1	424	456	1,544
Printing machinery and equipment manufacturing	<1	9	10	30
All other industrial machinery manufacturing	<1	29	34	104
Optical instrument and lens manufacturing	<1	19	24	86
Photographic and photocopying equipment manufacturing	<1	12	15	67
Other commercial service industry machinery manufacturing	<1	1,985	2,777	9,135
Air purification and ventilation equipment manufacturing	<1	1,716	2,053	5,265
Heating equipment (except warm air furnaces) manufacturing	<1	1,480	1,978	8,817
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,417	2,164	8,952
Industrial mold manufacturing	<1	106	117	287
Special tool, die, jig, and fixture manufacturing	<1	255	306	674
Cutting tool and machine tool accessory manufacturing	<1	92	100	250
Machine tool manufacturing	<1	30	35	112
Rolling mill and other metalworking machinery manufacturing	<1	16	17	46
Turbine and turbine generator set units manufacturing	<1	53	63	286
Speed changer, industrial high-speed drive, and gear manufacturing	<1	178	234	741
Mechanical power transmission equipment manufacturing	<1	603	827	2,532
Other engine equipment manufacturing	<1	2,446	4,116	33,633

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Pump and pumping equipment manufacturing	<1	25	37	166
Air and gas compressor manufacturing	<1	93	139	537
Elevator and moving stairway manufacturing	<1	89	110	400
Conveyor and conveying equipment manufacturing	<1	262	284	915
Overhead cranes, hoists, and monorail systems manufacturing	<1	654	1,051	3,715
Industrial truck, trailer, and stacker manufacturing	<1	486	681	2,728
Power-driven handtool manufacturing	<1	15	31	137
Welding and soldering equipment manufacturing	<1	81	104	339
Packaging machinery manufacturing	<1	16	20	59
Industrial process furnace and oven manufacturing	<1	22	24	62
Fluid power cylinder and actuator manufacturing	<1	206	261	768
Fluid power pump and motor manufacturing	<1	33	46	202
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	98	112	407
Electronic computer manufacturing	<1	382	689	4,283
Computer storage device manufacturing	<1	9	19	84
Computer terminals and other computer peripheral equipment manufacturing	<1	191	295	891
Telephone apparatus manufacturing	<1	3,720	5,664	17,506
Broadcast and wireless communications equipment manufacturing	<1	107	153	506
Other communications equipment manufacturing	<1	74	117	365
Audio and video equipment manufacturing	<1	11	17	106
Printed circuit assembly (electronic assembly) manufacturing	<1	2,792	4,622	17,805
Bare printed circuit board manufacturing	<1	534	667	1,501
Semiconductor and related device manufacturing	<1	182	298	1,039

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	676	907	2,260
Electronic connector manufacturing	<1	5,490	7,807	19,458
Other electronic component manufacturing	<1	3,428	4,499	16,886
Electromedical and electrotherapeutic apparatus manufacturing	<1	7	12	27
Search, detection, and navigation instruments manufacturing	<1	16	26	72
Automatic environmental control manufacturing	<1	408	516	1,124
Industrial process variable instruments manufacturing	<1	203	297	741
Totalizing fluid meter and counting device manufacturing	<1	1,008	2,059	4,577
Electricity and signal testing instruments manufacturing	<1	15	22	73
Analytical laboratory instrument manufacturing	<1	3	5	14
Irradiation apparatus manufacturing	<1	23	39	90
Watch, clock, and other measuring and controlling device manufacturing	<1	41	68	209
Blank magnetic and optical recording media manufacturing	<1	193	477	2,993
Software and other prerecorded and record reproducing	<1	1,956	2,671	9,988
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	447	634	2,271
Small electrical appliance manufacturing	<1	286	559	1,849
Household cooking appliance manufacturing	<1	2,886	5,456	17,473
Household refrigerator and home freezer manufacturing	<1	3,144	6,131	18,942
Household laundry equipment manufacturing	<1	7,340	11,507	45,407
Other major household appliance manufacturing	<1	1,463	3,008	8,708
Power, distribution, and specialty transformer manufacturing	<1	264	375	1,172
Motor and generator manufacturing	<1	1,177	1,824	6,000
Switchgear and switchboard apparatus manufacturing	<1	1,956	3,012	9,632

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Relay and industrial control manufacturing	<1	137	179	443
Storage battery manufacturing	<1	1,307	1,810	6,699
Primary battery manufacturing	<1	2,739	-398	11,243
Fiber optic cable manufacturing	<1	309	380	2,163
Other communication and energy wire manufacturing	<1	222	322	1,661
Wiring device manufacturing	<1	2,171	3,722	11,160
Carbon and graphite product manufacturing	<1	4,697	7,168	20,413
All other miscellaneous electrical equipment and component manufacturing	<1	58	66	185
Automobile manufacturing	<1	28,375	89,324	377,233
Light truck and utility vehicle manufacturing	<1	18,250	45,595	330,415
Heavy duty truck manufacturing	<1	1,076	2,594	16,152
Motor vehicle body manufacturing	<1	1,910	2,510	8,398
Truck trailer manufacturing	<1	89	120	550
Motor home manufacturing	<1	20,022	31,934	143,784
Travel trailer and camper manufacturing	<1	11,963	13,335	61,701
Motor vehicle gasoline engine and engine parts manufacturing	<1	11,562	17,200	78,906
Motor vehicle electrical and electronic equipment manufacturing	<1	18,929	24,834	163,612
Motor vehicle transmission and power train parts manufacturing	<1	10,999	16,340	102,702
Motor vehicle seating and interior trim manufacturing	<1	12,788	15,507	88,485
Motor vehicle metal stamping	<1	42,714	52,364	220,569
Other motor vehicle parts manufacturing	<1	20,982	29,436	145,737
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	11,920	18,723	87,470
Aircraft manufacturing	<1	175	392	1,426
Aircraft engine and engine parts manufacturing	<1	112	219	712
Other aircraft parts and auxiliary equipment manufacturing	<1	140	199	543
Guided missile and space vehicle manufacturing	<1	1,453	2,197	5,511
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	147	204	492

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Railroad rolling stock manufacturing	<1	586	693	3,784
Ship building and repairing	<1	1,450	1,786	4,278
Boat building	<1	4,311	5,703	21,754
Motorcycle, bicycle, and parts manufacturing	<1	233	718	2,249
Military armored vehicle, tank, and tank component manufacturing	<1	22,824	45,674	204,802
All other transportation equipment manufacturing	<1	1,010	1,777	8,699
Wood kitchen cabinet and countertop manufacturing	<1	19,712	36,781	76,258
Upholstered household furniture manufacturing	<1	412	516	1,763
Nonupholstered wood household furniture manufacturing	<1	1,835	2,621	6,705
Other household nonupholstered furniture manufacturing	<1	265	568	1,734
Institutional furniture manufacturing	<1	497	591	1,899
Wood office furniture manufacturing	<1	1,900	3,495	8,846
Custom architectural woodwork and millwork	<1	81	82	270
Office furniture, except wood, manufacturing	<1	51,105	124,978	249,807
Showcase, partition, shelving, and locker manufacturing	<1	2,412	4,860	11,638
Mattress manufacturing	<1	504	1,351	3,933
Blind and shade manufacturing	<1	41	46	196
Surgical and medical instrument manufacturing	<1	1,284	1,727	5,049
Surgical appliance and supplies manufacturing	<1	1,922	2,721	8,630
Dental equipment and supplies manufacturing	<1	29	37	109
Ophthalmic goods manufacturing	<1	129	178	452
Dental laboratories	<1	1,772	1,806	3,316
Jewelry and silverware manufacturing	<1	1,866	3,036	8,819
Sporting and athletic goods manufacturing	<1	1,855	2,191	8,378
Doll, toy, and game manufacturing	<1	150	180	722
Office supplies (except paper) manufacturing	<1	54	65	330
Sign manufacturing	<1	14,110	11,551	29,687
Gasket, packing, and sealing device manufacturing	<1	2,491	2,708	7,140

Appendix

Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	1,459	1,535	6,560
Burial casket manufacturing	<1	2,365	2,614	7,453
All other miscellaneous manufacturing	<1	4,280	5,033	14,670
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	26,286	65,006	146,123
Wholesale - Professional and commercial equipment and supplies	1	98,560	162,275	294,686
Wholesale - Household appliances and electrical and electronic goods	1	88,447	234,139	486,894
Wholesale - Machinery, equipment, and supplies	1	95,546	197,826	336,467
Wholesale - Other durable goods merchant wholesalers	3	180,003	334,313	645,006
Wholesale - Drugs and druggists' sundries	<1	47,888	161,407	322,122
Wholesale - Grocery and related product wholesalers	3	167,252	239,809	488,682
Wholesale - Petroleum and petroleum products	<1	40,447	524,904	615,769
Wholesale - Other nondurable goods merchant wholesalers	3	164,389	372,890	735,564
Wholesale - Wholesale electronic markets and agents and brokers	4	423,169	441,696	514,210
Retail - Motor vehicle and parts dealers	4	199,635	333,738	500,003
Retail - Furniture and home furnishings stores	3	93,442	126,298	220,135
Retail - Electronics and appliance stores	2	109,332	109,945	197,846
Retail - Building material and garden equipment and supplies stores	4	176,258	336,795	497,436
Retail - Food and beverage stores	8	234,173	331,385	572,684
Retail - Health and personal care stores	5	232,280	295,522	460,934
Retail - Gasoline stores	4	97,848	185,460	374,704
Retail - Clothing and clothing accessories stores	6	110,136	199,350	456,709
Retail - Sporting goods, hobby, musical instrument and book stores	4	80,143	107,653	190,368
Retail - General merchandise stores	12	341,621	520,702	859,128

Appendix

Retail - Miscellaneous store retailers	7	113,624	152,877	291,910
Retail - Nonstore retailers	6	88,982	320,158	780,536
Air transportation	<1	43,086	71,265	174,715
Rail transportation	<1	57,948	155,404	265,894
Water transportation	<1	13,716	22,096	103,950
Truck transportation	9	494,216	621,065	1,301,665
Transit and ground passenger transportation	3	31,784	37,764	66,337
Pipeline transportation	<1	305,773	306,233	326,292
Scenic and sightseeing transportation and support activities for transportation	4	320,618	343,492	654,464
Couriers and messengers	4	131,710	168,953	304,055
Warehousing and storage	5	218,350	246,928	480,751
Newspaper publishers	<1	47,476	89,677	113,726
Periodical publishers	<1	32,401	55,965	89,970
Book publishers	<1	20,832	76,294	115,452
Directory, mailing list, and other publishers	<1	22,724	72,122	106,062
Greeting card publishing	0	0	0	0
Software publishers	3	258,115	671,045	788,165
Motion picture and video industries	<1	36,218	49,489	181,351
Sound recording industries	<1	2,453	9,231	27,064
Radio and television broadcasting	2	143,120	195,907	740,018
Cable and other subscription programming	<1	5,729	45,274	153,918
Wired telecommunications carriers	2	215,026	509,717	1,000,254
Wireless telecommunications carriers (except satellite)	<1	34,980	241,920	730,853
Satellite, telecommunications resellers, and all other telecommunications	1	127,998	207,145	579,504
Data processing, hosting, and related services	5	324,104	583,278	2,118,851
News syndicates, libraries, archives and all other information services	<1	8,552	10,782	35,390
Internet publishing and broadcasting and web search portals	<1	32,770	70,747	456,041
Nondepository credit intermediation and related activities	4	243,180	306,570	609,725
Securities and commodity contracts intermediation and brokerage	7	285,026	274,949	729,929

Appendix

Monetary authorities and depository credit intermediation	12	1,142,345	2,961,270	5,045,729
Other financial investment activities	3	111,287	149,598	555,328
Direct life insurance carriers	1	104,686	186,304	304,484
Insurance carriers, except direct life	4	352,921	956,589	2,331,218
Insurance agencies, brokerages, and related activities	14	1,093,780	1,604,449	3,991,200
Funds, trusts, and other financial vehicles	2	54,812	66,656	500,494
Other real estate	40	579,760	2,341,291	6,973,848
Tenant-occupied housing	6	82,880	909,882	1,147,401
Owner-occupied dwellings	0	0	3,541,996	4,496,408
Automotive equipment rental and leasing	2	77,649	349,603	496,075
General and consumer goods rental except video tapes and discs	1	53,673	88,297	154,913
Video tape and disc rental	<1	13,129	24,130	38,645
Commercial and industrial machinery and equipment rental and leasing	2	131,002	471,736	647,671
Lessors of nonfinancial intangible assets	<1	3,709	137,571	159,404
Legal services	14	1,174,012	1,997,058	2,786,935
Accounting, tax preparation, bookkeeping, and payroll services	6	397,493	497,038	763,939
Architectural, engineering, and related services	8	715,247	762,586	1,312,240
Specialized design services	2	108,561	156,211	266,274
Custom computer programming services	2	159,897	172,505	254,244
Computer systems design services	4	368,011	340,747	449,838
Other computer related services, including facilities management	<1	40,838	66,366	130,004
Management consulting services	48	3,777,331	3,890,815	6,508,410
Environmental and other technical consulting services	1	102,438	106,284	163,962
Scientific research and development services	173	13,501,102	17,657,363	36,316,096
Advertising, public relations, and related services	3	184,344	245,179	509,564
Photographic services	<1	13,474	28,038	62,854
Veterinary services	1	45,300	53,528	91,176
Marketing research and all other miscellaneous professional, scientific, and technical services	21	1,450,962	2,476,723	4,830,153

Appendix

Management of companies and enterprises	11	1,123,805	1,274,744	2,239,831
Office administrative services	2	116,479	23,010	120,615
Facilities support services	1	50,625	66,342	180,827
Employment services	55	1,473,989	1,887,339	3,482,525
Business support services	17	517,059	389,780	898,435
Travel arrangement and reservation services	<1	31,262	36,962	103,587
Investigation and security services	7	177,486	167,659	285,345
Services to buildings	9	215,406	263,382	589,895
Landscape and horticultural services	15	460,947	524,886	1,076,450
Other support services	3	85,764	100,751	272,175
Waste management and remediation services	2	104,150	175,808	345,706
Elementary and secondary schools	3	87,627	73,599	93,129
Junior colleges, colleges, universities, and professional schools	14	376,405	499,537	785,607
Other educational services	2	73,262	79,766	166,355
Offices of physicians	13	1,368,802	1,417,397	2,025,539
Offices of dentists	4	256,715	311,591	447,873
Offices of other health practitioners	4	220,833	305,188	408,995
Outpatient care centers	3	305,772	278,275	435,463
Medical and diagnostic laboratories	1	81,964	112,653	171,826
Home health care services	4	245,952	233,748	288,182
Other ambulatory health care services	1	74,317	81,338	137,537
Hospitals	12	851,079	1,117,063	2,199,416
Nursing and community care facilities	8	269,671	301,583	574,371
Residential mental retardation, mental health, substance abuse and other facilities	3	85,273	92,089	162,785
Individual and family services	7	162,134	129,154	213,676
Child day care services	4	89,858	108,951	168,806
Community food, housing, and other relief services, including rehabilitation services	2	44,404	42,928	110,215
Performing arts companies	2	19,190	24,455	72,542
Commercial Sports Except Racing	1	18,675	13,382	40,051
Racing and Track Operation	<1	8,182	13,066	34,424
Independent artists, writers, and performers	<1	9,491	20,389	57,041

Appendix

Promoters of performing arts and sports and agents for public figures	2	20,010	28,861	107,666
Museums, historical sites, zoos, and parks	<1	13,272	15,518	32,752
Amusement parks and arcades	<1	5,248	11,722	21,511
Gambling industries (except casino hotels)	1	23,063	64,895	114,666
Other amusement and recreation industries	3	50,922	54,187	124,041
Fitness and recreational sports centers	2	25,538	32,530	79,472
Bowling centers	<1	4,808	7,238	15,619
Hotels and motels, including casino hotels	1	33,556	63,864	114,042
Other accommodations	<1	8,138	10,851	16,005
Full-service restaurants	23	478,204	673,853	1,302,606
Limited-service restaurants	20	340,460	529,117	1,339,389
All other food and drinking places	11	286,501	393,203	642,521
Automotive repair and maintenance, except car washes	6	263,270	362,049	548,340
Car washes	3	131,589	220,239	341,531
Electronic and precision equipment repair and maintenance	66	3,347,871	3,642,900	6,986,080
Commercial and industrial machinery and equipment repair and maintenance	3	170,077	175,293	288,174
Personal and household goods repair and maintenance	<1	35,132	76,792	114,611
Personal care services	5	111,657	112,808	158,561
Death care services	<1	23,592	23,493	33,567
Dry-cleaning and laundry services	3	73,654	70,644	93,850
Other personal services	3	75,094	96,524	152,869
Religious organizations	5	192,058	166,634	468,399
Grantmaking, giving, and social advocacy organizations	<1	40,893	171,768	268,518
Business and professional associations	1	77,333	158,487	268,297
Labor and civic organizations	1	35,738	129,014	202,955
Private households	4	47,815	47,815	47,815
Postal service	3	220,630	220,698	236,326
Federal electric utilities	<1	119,168	183,780	776,489
Other federal government enterprises	58	2,865,361	2,585,195	12,330,140
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	2	187,767	236,504	522,591
Local government passenger transit	2	56,265	-35,623	139,559
Local government electric utilities	<1	28,439	82,144	181,605
Other local government enterprises	4	255,063	575,543	1,189,064
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	52	8,639,421	11,143,917	25,478,226

Investments in Climate Change Research and Technology

Table 630: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alabama

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>24,899</i>	<i>1,642,181,774</i>	<i>2,502,749,509</i>	<i>4,953,648,713</i>
Oilseed farming	3	595,044	1,042,211	1,563,469
Grain farming	9	666,636	6,140	1,853,763
Vegetable and melon farming	4	182,459	233,929	471,776
Fruit farming	1	49,223	63,666	107,186
Tree nut farming	2	63,023	86,794	158,222
Greenhouse, nursery, and floriculture production	8	325,584	393,189	849,378
Tobacco farming	0	0	0	0
Cotton farming	3	135,344	166,410	350,098
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	48	351,819	373,465	850,061
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	14	443,311	627,705	1,228,072

Appendix

Dairy cattle and milk production	<1	15,780	19,252	73,127
Poultry and egg production	11	277,288	359,349	5,391,665
Animal production, except cattle and poultry and eggs	42	2,008,311	2,552,970	3,664,117
Forestry, forest products, and timber tract production	2	93,190	93,570	123,396
Commercial logging	8	385,430	372,484	631,482
Commercial fishing	4	3,674	99,032	252,656
Commercial hunting and trapping	<1	5,292	43,329	72,246
Support activities for agriculture and forestry	42	2,096,993	2,048,840	2,400,643
Oil and gas extraction	12	285,289	1,105,110	5,544,290
Coal mining	7	871,362	2,454,432	3,798,105
Copper, nickel, lead, and zinc mining	<1	10,843	43,879	90,959
Iron ore mining	<1	56,799	107,826	176,951
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	59,537	132,092	229,198
Other metal ore mining	<1	17,630	33,736	70,681
Stone mining and quarrying	2	213,166	748,177	1,208,283
Sand and gravel mining	2	172,330	383,833	688,948
Other clay, ceramic, refractory minerals mining	<1	19,685	42,793	69,189
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	11,780	25,637	53,846
Drilling oil and gas wells	<1	59	47	216
Support activities for oil and gas operations	<1	7,022	6,859	15,081
Metal mining services	<1	1,555	6,145	35,305
Other nonmetallic minerals services	<1	1,720	1,343	14,622
Electric power generation - Hydroelectric	1	159,433	413,898	853,715
Electric power generation - Fossil fuel	11	1,867,305	5,759,038	15,148,588
Electric power generation - Nuclear	8	1,800,777	3,537,228	7,389,352
Electric power generation - Solar	<1	3,957	12,380	27,372
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	69,650	272,828	732,951
Electric power generation - All other	<1	38,949	19,351	63,039
Electric power transmission and distribution	28	4,866,079	14,147,629	34,931,753
Natural gas distribution	11	1,288,141	3,263,100	8,278,493
Water, sewage and other systems	2	188,869	354,398	714,055
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	8	462,976	486,378	1,168,685
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	93	5,196,697	6,329,641	17,423,060
Maintenance and repair construction of residential structures	40	2,088,700	2,617,046	6,995,596
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,587	1,961	5,376
Dog and cat food manufacturing	2	173,350	420,528	1,961,131
Other animal food manufacturing	2	138,187	222,449	2,028,694
Flour milling	<1	18,783	30,547	254,421
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	2	258,757	605,713	3,324,178
Soybean and other oilseed processing	<1	26,345	106,233	1,116,174
Fats and oils refining and blending	<1	33,131	57,355	645,243
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	1,024	2,336	44,053
Nonchocolate confectionery manufacturing	<1	10,243	14,239	92,237
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	667	878	13,284
Frozen fruits, juices and vegetables manufacturing	2	64,266	111,369	871,377
Frozen specialties manufacturing	<1	11,307	14,517	118,693
Canned fruits and vegetables manufacturing	<1	19,471	33,816	160,263
Canned specialties	<1	7,099	14,454	134,191
Dehydrated food products manufacturing	<1	1,158	1,799	14,629
Cheese manufacturing	<1	6,632	8,592	94,871
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	1	73,556	104,829	715,111
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	1	86,709	112,779	538,527
Frozen cakes and other pastries manufacturing	4	102,627	150,846	292,908
Poultry processing	36	1,656,943	2,014,443	10,295,096
Animal, except poultry, slaughtering	<1	26,075	34,036	371,208
Meat processed from carcasses	2	100,956	102,740	795,735
Rendering and meat byproduct processing	<1	15,257	16,022	91,136
Seafood product preparation and packaging	3	132,242	160,214	1,080,871
Bread and bakery product, except frozen, manufacturing	9	339,382	465,339	1,213,008
Cookie and cracker manufacturing	<1	34,739	47,784	178,110
Dry pasta, mixes, and dough manufacturing	<1	11,124	20,668	101,424
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	54,858	110,580	424,857
Other snack food manufacturing	1	59,643	101,822	493,803
Coffee and tea manufacturing	<1	61,613	100,006	443,833
Flavoring syrup and concentrate manufacturing	<1	3,921	22,116	61,554
Mayonnaise, dressing, and sauce manufacturing	<1	19,049	31,092	199,922
Spice and extract manufacturing	<1	31,768	48,079	287,982
All other food manufacturing	<1	56,234	75,157	364,996

Appendix

Bottled and canned soft drinks & water	6	461,222	696,868	3,227,554
Manufactured ice	<1	25,799	10,579	69,242
Breweries	2	47,854	96,779	473,983
Wineries	<1	27,553	39,119	153,648
Distilleries	<1	5,236	23,077	84,709
Tobacco product manufacturing	<1	53,387	956,204	1,869,286
Fiber, yarn, and thread mills	4	174,945	213,712	1,164,003
Broadwoven fabric mills	3	180,069	214,099	811,131
Narrow fabric mills and schiffli machine embroidery	<1	10,873	11,207	40,133
Nonwoven fabric mills	<1	43,877	46,736	265,510
Knit fabric mills	<1	2,952	3,037	12,983
Textile and fabric finishing mills	<1	2,768	2,902	22,666
Fabric coating mills	<1	388	383	3,173
Carpet and rug mills	3	152,211	184,092	942,930
Curtain and linen mills	1	52,540	56,554	202,249
Textile bag and canvas mills	1	49,369	51,356	159,774
Rope, cordage, twine, tire cord and tire fabric mills	<1	32,798	36,337	124,416
Other textile product mills	1	55,079	57,977	170,708
Hosiery and sock mills	2	50,900	53,109	138,727
Other apparel knitting mills	<1	6,608	7,975	19,856
Cut and sew apparel contractors	<1	10,053	11,450	30,820
Mens and boys cut and sew apparel manufacturing	1	35,141	38,593	115,902
Womens and girls cut and sew apparel manufacturing	<1	3,495	5,122	25,094
Other cut and sew apparel manufacturing	<1	11,880	14,384	48,678
Apparel accessories and other apparel manufacturing	<1	3,920	5,294	16,827
Leather and hide tanning and finishing	<1	371	454	2,505
Footwear manufacturing	<1	674	743	3,692
Other leather and allied product manufacturing	<1	1,361	1,433	6,167
Sawmills	7	421,087	630,905	2,125,674
Wood preservation	<1	43,814	111,285	377,331
Veneer and plywood manufacturing	2	131,180	196,071	600,188
Engineered wood member and truss manufacturing	1	57,693	81,816	254,129
Reconstituted wood product manufacturing	1	79,527	171,352	567,794
Wood windows and door manufacturing	8	471,071	634,255	1,777,917

Appendix

Cut stock, resawing lumber, and planing	2	80,233	134,933	384,302
Other millwork, including flooring	4	206,635	315,569	921,908
Wood container and pallet manufacturing	3	159,575	212,138	577,204
Manufactured home (mobile home) manufacturing	<1	1,233	1,559	4,781
Prefabricated wood building manufacturing	<1	36,824	47,947	108,591
All other miscellaneous wood product manufacturing	2	105,358	152,607	416,955
Pulp mills	<1	38,743	63,406	228,738
Paper mills	9	944,044	2,170,699	6,883,575
Paperboard mills	6	655,664	1,657,929	5,407,828
Paperboard container manufacturing	7	464,095	761,823	3,423,427
Paper bag and coated and treated paper manufacturing	3	272,929	526,383	1,558,964
Stationery product manufacturing	<1	31,821	50,661	242,165
Sanitary paper product manufacturing	<1	26,479	85,899	246,105
All other converted paper product manufacturing	1	89,998	137,798	406,255
Printing	61	2,937,359	3,872,645	9,671,016
Support activities for printing	1	59,375	73,242	131,902
Petroleum refineries	3	764,921	5,539,411	24,359,108
Asphalt paving mixture and block manufacturing	<1	36,743	59,504	299,357
Asphalt shingle and coating materials manufacturing	<1	58,408	226,356	506,965
Petroleum lubricating oil and grease manufacturing	2	279,477	904,090	2,585,563
All other petroleum and coal products manufacturing	1	152,729	606,501	1,499,296
Petrochemical manufacturing	<1	114,047	1,069,009	3,845,775
Industrial gas manufacturing	<1	137,511	324,117	933,756
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	1	138,789	364,760	1,034,580
Other basic organic chemical manufacturing	2	325,242	705,589	3,849,674
Plastics material and resin manufacturing	3	387,188	704,140	4,462,729
Synthetic rubber manufacturing	<1	4,969	8,140	36,365
Artificial and synthetic fibers and filaments manufacturing	3	318,068	481,601	2,119,904

Appendix

Nitrogenous fertilizer manufacturing	<1	45,232	127,630	431,392
Phosphatic fertilizer manufacturing	<1	4,359	10,413	31,465
Fertilizer mixing	<1	20,883	47,702	144,430
Pesticide and other agricultural chemical manufacturing	1	176,853	579,010	1,985,282
Medicinal and botanical manufacturing	<1	12,223	22,673	59,753
Pharmaceutical preparation manufacturing	1	169,803	683,516	1,912,535
In-vitro diagnostic substance manufacturing	<1	3,294	5,196	13,623
Biological product (except diagnostic) manufacturing	<1	11,693	28,191	63,590
Paint and coating manufacturing	1	111,610	247,908	913,110
Adhesive manufacturing	<1	8,486	15,725	64,488
Soap and other detergent manufacturing	<1	22,031	86,785	233,212
Polish and other sanitation good manufacturing	<1	26,862	47,159	185,710
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	16,982	66,407	233,268
Printing ink manufacturing	<1	73,083	80,497	307,769
Explosives manufacturing	<1	10,704	12,476	39,502
Custom compounding of purchased resins	<1	14,054	30,350	135,003
Photographic film and chemical manufacturing	<1	4,517	11,903	49,935
Other miscellaneous chemical product manufacturing	<1	19,980	38,299	188,339
Plastics packaging materials and unlaminated film and sheet manufacturing	2	101,943	178,405	727,805
Unlaminated plastics profile shape manufacturing	<1	49,002	115,627	361,730
Plastics pipe and pipe fitting manufacturing	<1	50,420	147,718	482,531
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	35,090	69,123	198,479
Polystyrene foam product manufacturing	1	74,545	133,593	467,087
Urethane and other foam product (except polystyrene) manufacturing	1	73,373	125,864	493,307
Plastics bottle manufacturing	<1	9,888	16,711	68,330
Other plastics product manufacturing	24	1,483,410	2,272,040	7,012,383

Appendix

Tire manufacturing	7	518,372	833,101	3,193,630
Rubber and plastics hoses and belting manufacturing	<1	44,238	68,965	241,160
Other rubber product manufacturing	2	99,586	147,043	551,040
Pottery, ceramics, and plumbing fixture manufacturing	<1	621	908	3,785
Brick, tile, and other structural clay product manufacturing	2	102,224	179,810	406,558
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	477	855	2,953
Glass container manufacturing	<1	474	785	3,088
Glass product manufacturing made of purchased glass	3	170,113	298,439	684,581
Cement manufacturing	1	98,727	246,442	620,969
Ready-mix concrete manufacturing	7	417,171	727,855	2,470,442
Concrete block and brick manufacturing	<1	30,117	55,029	136,638
Concrete pipe manufacturing	<1	17,607	30,247	76,346
Other concrete product manufacturing	2	135,337	191,927	482,797
Lime manufacturing	<1	51,604	132,974	299,570
Gypsum product manufacturing	<1	46,273	127,539	338,079
Abrasive product manufacturing	<1	2,126	5,948	9,888
Cut stone and stone product manufacturing	2	82,812	99,847	231,614
Ground or treated mineral and earth manufacturing	<1	23,587	67,867	149,124
Mineral wool manufacturing	<1	53,499	129,465	287,014
Miscellaneous nonmetallic mineral products manufacturing	<1	10,354	29,374	61,768
Iron and steel mills and ferroalloy manufacturing	4	569,589	1,135,556	5,528,543
Iron, steel pipe and tube manufacturing from purchased steel	1	104,485	193,730	745,357
Rolled steel shape manufacturing	2	170,650	407,740	1,491,002
Steel wire drawing	<1	22,287	36,058	137,740
Alumina refining and primary aluminum production	<1	19,760	31,585	192,089
Secondary smelting and alloying of aluminum	<1	33,515	60,898	525,848
Aluminum sheet, plate, and foil manufacturing	<1	91,609	199,728	904,625
Other aluminum rolling, drawing and extruding	<1	17,446	26,052	124,259

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	14,067	73,286	251,075
Copper rolling, drawing, extruding and alloying	1	90,102	149,816	1,372,564
Nonferrous metal, except copper and aluminum, shaping	<1	16,704	20,795	87,793
Secondary processing of other nonferrous metals	<1	9,886	17,598	108,762
Ferrous metal foundries	3	268,589	435,034	947,169
Nonferrous metal foundries	1	95,800	144,890	369,685
Custom roll forming	<1	27,453	50,192	225,113
Crown and closure manufacturing and metal stamping	1	57,731	77,873	249,209
Iron and steel forging	<1	27,654	49,776	151,504
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	37,285	120,641	254,820
Handtool manufacturing	<1	23,418	42,603	90,281
Prefabricated metal buildings and components manufacturing	1	75,833	108,103	345,816
Fabricated structural metal manufacturing	6	453,472	715,664	2,182,023
Plate work manufacturing	<1	57,340	64,683	206,784
Metal window and door manufacturing	2	129,907	188,545	513,973
Sheet metal work manufacturing	3	184,321	260,946	721,159
Ornamental and architectural metal work manufacturing	2	143,404	195,968	513,159
Power boiler and heat exchanger manufacturing	<1	7,410	11,357	27,260
Metal tank (heavy gauge) manufacturing	<1	32,315	43,115	117,468
Metal cans manufacturing	<1	8,838	23,461	124,981
Metal barrels, drums and pails manufacturing	<1	5,902	7,762	33,226
Hardware manufacturing	<1	57,294	98,300	311,796
Spring and wire product manufacturing	1	78,439	110,636	317,671
Machine shops	7	471,244	609,661	1,258,991
Turned product and screw, nut, and bolt manufacturing	2	149,210	237,323	616,232
Metal heat treating	<1	50,181	78,777	178,886
Metal coating and nonprecious engraving	1	87,108	171,894	388,079
Electroplating, anodizing, and coloring metal	1	68,860	80,983	173,695
Valve and fittings, other than plumbing, manufacturing	1	83,894	149,570	385,175

Appendix

Plumbing fixture fitting and trim manufacturing	<1	21,159	69,252	190,216
Ball and roller bearing manufacturing	<1	27,132	54,876	136,376
Small arms ammunition manufacturing	<1	10,323	25,463	62,541
Ammunition, except for small arms, manufacturing	<1	673	852	1,698
Small arms, ordnance, and accessories manufacturing	<1	59,473	126,901	251,071
Fabricated pipe and pipe fitting manufacturing	<1	75,760	98,360	247,661
Other fabricated metal manufacturing	1	74,687	106,417	308,727
Farm machinery and equipment manufacturing	<1	37,595	59,065	280,124
Lawn and garden equipment manufacturing	<1	6,633	10,887	63,297
Construction machinery manufacturing	<1	18,078	37,346	124,591
Mining machinery and equipment manufacturing	<1	361	510	1,633
Oil and gas field machinery and equipment manufacturing	<1	5,486	8,058	26,108
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	193	218	747
Sawmill, woodworking, and paper machinery	<1	14,544	16,103	51,409
Printing machinery and equipment manufacturing	<1	517	560	1,643
All other industrial machinery manufacturing	<1	978	1,188	3,576
Optical instrument and lens manufacturing	<1	457	589	1,933
Photographic and photocopying equipment manufacturing	<1	510	637	2,732
Other commercial service industry machinery manufacturing	<1	20,285	30,285	98,147
Air purification and ventilation equipment manufacturing	<1	31,498	40,875	101,206
Heating equipment (except warm air furnaces) manufacturing	<1	37,353	53,488	207,519
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	29,941	49,044	184,641
Industrial mold manufacturing	<1	4,360	4,931	11,525
Special tool, die, jig, and fixture manufacturing	<1	10,310	12,811	26,764

Appendix

Cutting tool and machine tool accessory manufacturing	<1	3,509	3,862	9,448
Machine tool manufacturing	<1	1,042	1,260	3,896
Rolling mill and other metalworking machinery manufacturing	<1	447	514	1,297
Turbine and turbine generator set units manufacturing	<1	2,436	3,026	11,538
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,330	7,453	20,378
Mechanical power transmission equipment manufacturing	<1	15,068	21,804	62,392
Other engine equipment manufacturing	<1	69,523	133,055	814,197
Pump and pumping equipment manufacturing	<1	263	415	1,753
Air and gas compressor manufacturing	<1	967	1,664	6,588
Elevator and moving stairway manufacturing	<1	1,045	1,392	4,862
Conveyor and conveying equipment manufacturing	<1	5,921	6,520	20,128
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,248	3,819	12,873
Industrial truck, trailer, and stacker manufacturing	<1	9,956	14,658	55,377
Power-driven handtool manufacturing	<1	971	2,100	8,177
Welding and soldering equipment manufacturing	<1	1,916	2,563	6,894
Packaging machinery manufacturing	<1	556	740	2,090
Industrial process furnace and oven manufacturing	<1	838	941	2,300
Fluid power cylinder and actuator manufacturing	<1	5,812	7,610	22,721
Fluid power pump and motor manufacturing	<1	2,791	4,016	16,654
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,046	3,595	12,121
Electronic computer manufacturing	<1	15,391	29,467	170,979
Computer storage device manufacturing	<1	712	1,509	6,600
Computer terminals and other computer peripheral equipment manufacturing	10	1,429,234	2,263,851	5,479,967
Telephone apparatus manufacturing	<1	38,871	54,559	184,955

Appendix

Broadcast and wireless communications equipment manufacturing	<1	10,779	15,357	48,315
Other communications equipment manufacturing	<1	4,127	6,038	20,827
Audio and video equipment manufacturing	<1	500	774	4,753
Printed circuit assembly (electronic assembly) manufacturing	<1	44,921	71,011	273,110
Bare printed circuit board manufacturing	<1	13,906	17,022	42,789
Semiconductor and related device manufacturing	<1	2,275	3,438	10,765
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	43,503	58,234	139,029
Electronic connector manufacturing	<1	97,420	134,625	334,424
Other electronic component manufacturing	<1	43,145	54,879	206,763
Electromedical and electrotherapeutic apparatus manufacturing	<1	283	471	1,031
Search, detection, and navigation instruments manufacturing	<1	1,203	1,841	4,952
Automatic environmental control manufacturing	<1	47,978	60,019	129,127
Industrial process variable instruments manufacturing	<1	7,419	10,658	26,481
Totalizing fluid meter and counting device manufacturing	<1	20,503	38,080	88,819
Electricity and signal testing instruments manufacturing	<1	1,119	1,613	5,163
Analytical laboratory instrument manufacturing	<1	28,128	43,406	105,200
Irradiation apparatus manufacturing	<1	886	1,526	3,465
Watch, clock, and other measuring and controlling device manufacturing	<1	2,088	3,389	10,189
Blank magnetic and optical recording media manufacturing	<1	29,515	74,441	376,080
Software and other prerecorded and record reproducing	2	144,880	198,654	586,782
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	24,769	34,684	119,084
Small electrical appliance manufacturing	<1	9,561	20,221	58,484

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Household cooking appliance manufacturing	<1	78,936	172,282	513,473
Household refrigerator and home freezer manufacturing	1	84,234	190,851	547,804
Household laundry equipment manufacturing	2	192,700	336,758	1,262,453
Other major household appliance manufacturing	<1	35,530	86,220	230,464
Power, distribution, and specialty transformer manufacturing	<1	15,778	22,821	63,708
Motor and generator manufacturing	<1	19,788	31,772	102,740
Switchgear and switchboard apparatus manufacturing	1	114,051	187,195	545,785
Relay and industrial control manufacturing	<1	5,585	7,532	17,810
Storage battery manufacturing	<1	56,556	76,247	269,983
Primary battery manufacturing	1	83,169	-22,390	346,148
Fiber optic cable manufacturing	<1	26,505	32,893	161,325
Other communication and energy wire manufacturing	<1	7,795	11,538	56,543
Wiring device manufacturing	1	94,870	169,771	458,280
Carbon and graphite product manufacturing	3	354,033	577,879	1,624,934
All other miscellaneous electrical equipment and component manufacturing	<1	1,986	2,288	6,359
Automobile manufacturing	6	605,573	1,772,471	7,512,378
Light truck and utility vehicle manufacturing	1	126,725	219,761	2,350,292
Heavy duty truck manufacturing	<1	18,465	40,220	251,950
Motor vehicle body manufacturing	<1	30,538	38,863	139,799
Truck trailer manufacturing	<1	1,258	1,410	6,972
Motor home manufacturing	3	228,279	315,566	1,475,710
Travel trailer and camper manufacturing	3	167,214	180,681	855,141
Motor vehicle gasoline engine and engine parts manufacturing	3	303,017	406,011	2,015,266
Motor vehicle electrical and electronic equipment manufacturing	6	400,186	467,835	2,758,600
Motor vehicle transmission and power train parts manufacturing	6	517,845	732,061	3,813,621
Motor vehicle seating and interior trim manufacturing	2	137,620	155,645	928,292
Motor vehicle metal stamping	9	717,765	839,643	3,409,233
Other motor vehicle parts manufacturing	6	425,995	488,518	2,884,795

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	4	291,413	432,693	1,975,703
Aircraft manufacturing	<1	2,933	6,275	23,785
Aircraft engine and engine parts manufacturing	15	1,797,964	3,157,461	9,696,818
Other aircraft parts and auxiliary equipment manufacturing	<1	38,340	51,101	133,487
Guided missile and space vehicle manufacturing	<1	71,971	107,150	262,066
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	16,826	23,006	52,203
Railroad rolling stock manufacturing	<1	6,696	8,020	40,679
Ship building and repairing	<1	43,709	53,909	128,399
Boat building	1	72,685	96,764	358,667
Motorcycle, bicycle, and parts manufacturing	<1	9,359	29,306	88,190
Military armored vehicle, tank, and tank component manufacturing	8	683,555	1,380,347	4,951,445
All other transportation equipment manufacturing	<1	28,717	54,148	247,600
Wood kitchen cabinet and countertop manufacturing	7	344,267	568,894	1,209,887
Upholstered household furniture manufacturing	<1	15,133	18,993	64,343
Nonupholstered wood household furniture manufacturing	<1	38,481	53,421	134,781
Other household nonupholstered furniture manufacturing	<1	7,618	16,079	46,385
Institutional furniture manufacturing	<1	1,641	1,940	6,148
Wood office furniture manufacturing	<1	1,129	2,014	5,029
Custom architectural woodwork and millwork	<1	2,130	2,091	6,623
Office furniture, except wood, manufacturing	<1	17,776	40,617	83,891
Showcase, partition, shelving, and locker manufacturing	<1	35,115	63,738	154,316
Mattress manufacturing	<1	12,745	33,214	94,506
Blind and shade manufacturing	<1	995	1,094	4,688
Surgical and medical instrument manufacturing	<1	47,795	65,883	173,414
Surgical appliance and supplies manufacturing	<1	69,886	104,253	302,534
Dental equipment and supplies manufacturing	<1	1,024	1,311	3,644

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Ophthalmic goods manufacturing	<1	3,798	5,564	13,231
Dental laboratories	1	59,434	60,754	110,097
Jewelry and silverware manufacturing	1	43,634	72,939	206,800
Sporting and athletic goods manufacturing	<1	50,882	61,014	212,547
Doll, toy, and game manufacturing	<1	5,591	7,283	26,618
Office supplies (except paper) manufacturing	<1	1,777	2,201	9,846
Sign manufacturing	5	368,441	318,442	788,493
Gasket, packing, and sealing device manufacturing	<1	55,884	61,801	156,130
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	54,890	76,693	244,720
Burial casket manufacturing	<1	29,067	33,495	84,489
All other miscellaneous manufacturing	2	118,826	144,025	389,730
Wholesale - Motor vehicle and motor vehicle parts and supplies	11	696,577	1,708,066	3,857,333
Wholesale - Professional and commercial equipment and supplies	27	2,648,175	4,338,062	7,755,548
Wholesale - Household appliances and electrical and electronic goods	20	1,792,223	4,578,341	9,435,002
Wholesale - Machinery, equipment, and supplies	26	2,155,012	4,366,459	7,446,750
Wholesale - Other durable goods merchant wholesalers	48	3,379,784	6,230,057	11,965,649
Wholesale - Drugs and druggists' sundries	12	1,286,958	4,205,560	8,236,986
Wholesale - Grocery and related product wholesalers	55	3,621,733	5,136,537	10,372,994
Wholesale - Petroleum and petroleum products	8	576,930	10,650,265	12,119,159
Wholesale - Other nondurable goods merchant wholesalers	63	4,020,681	9,565,442	18,206,998
Wholesale - Wholesale electronic markets and agents and brokers	45	5,122,736	5,346,245	6,196,046
Retail - Motor vehicle and parts dealers	90	4,769,306	7,981,391	11,833,601
Retail - Furniture and home furnishings stores	62	2,320,138	3,137,246	5,352,849
Retail - Electronics and appliance stores	55	2,643,067	2,719,178	4,749,227

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Retail - Building material and garden equipment and supplies stores	70	2,956,995	5,649,079	8,293,145
Retail - Food and beverage stores	210	6,292,380	8,788,965	14,802,295
Retail - Health and personal care stores	128	5,526,011	7,063,827	10,947,809
Retail - Gasoline stores	80	2,418,662	4,298,484	8,176,651
Retail - Clothing and clothing accessories stores	128	2,827,291	5,019,571	11,017,006
Retail - Sporting goods, hobby, musical instrument and book stores	81	1,976,885	2,651,473	4,552,157
Retail - General merchandise stores	257	7,644,976	11,752,376	19,285,950
Retail - Miscellaneous store retailers	160	2,959,224	3,936,912	7,172,677
Retail - Nonstore retailers	140	2,278,372	8,690,694	20,433,255
Air transportation	16	1,163,671	2,060,832	4,854,171
Rail transportation	11	1,252,935	2,800,107	5,195,536
Water transportation	6	512,600	837,352	3,696,610
Truck transportation	158	9,427,620	11,580,969	23,694,411
Transit and ground passenger transportation	88	1,307,188	1,588,260	2,547,797
Pipeline transportation	4	3,175,314	4,234,706	4,526,860
Scenic and sightseeing transportation and support activities for transportation	134	10,127,991	10,897,296	21,011,496
Couriers and messengers	124	4,432,254	5,759,493	10,211,439
Warehousing and storage	135	5,753,807	6,512,135	12,435,229
Newspaper publishers	27	1,481,376	2,834,444	3,511,546
Periodical publishers	18	1,516,266	2,658,726	3,943,081
Book publishers	8	727,419	2,632,947	3,904,673
Directory, mailing list, and other publishers	2	133,087	452,421	659,145
Greeting card publishing	0	0	0	0
Software publishers	59	4,947,960	13,134,099	15,268,033
Motion picture and video industries	25	1,418,916	1,973,548	5,845,616
Sound recording industries	1	62,919	258,798	676,718
Radio and television broadcasting	56	7,922,694	9,909,088	25,373,431
Cable and other subscription programming	4	527,140	2,637,402	6,913,691
Wired telecommunications carriers	53	5,637,406	12,934,500	24,506,371
Wireless telecommunications carriers (except satellite)	12	996,930	7,255,996	20,714,243

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Satellite, telecommunications resellers, and all other telecommunications	8	838,726	1,294,834	3,269,507
Data processing, hosting, and related services	206	20,352,576	36,151,661	101,235,223
News syndicates, libraries, archives and all other information services	3	157,425	206,356	609,806
Internet publishing and broadcasting and web search portals	167	27,900,925	58,532,781	198,354,656
Nondepository credit intermediation and related activities	69	5,461,594	7,038,261	13,084,795
Securities and commodity contracts intermediation and brokerage	134	8,236,296	7,642,183	16,961,206
Monetary authorities and depository credit intermediation	273	26,472,883	74,069,352	119,301,442
Other financial investment activities	79	4,127,589	5,331,723	16,165,855
Direct life insurance carriers	24	2,160,323	4,064,408	6,239,098
Insurance carriers, except direct life	100	8,763,823	25,862,232	57,590,375
Insurance agencies, brokerages, and related activities	131	10,457,929	15,634,072	37,466,706
Funds, trusts, and other financial vehicles	40	1,456,144	1,843,793	11,589,465
Other real estate	1,266	23,178,577	90,188,928	240,043,220
Tenant-occupied housing	124	2,236,933	26,797,779	32,603,864
Owner-occupied dwellings	0	0	100,266,878	127,284,395
Automotive equipment rental and leasing	27	1,764,051	6,014,350	8,028,784
General and consumer goods rental except video tapes and discs	27	1,593,598	2,369,108	3,871,559
Video tape and disc rental	7	326,210	584,608	930,224
Commercial and industrial machinery and equipment rental and leasing	27	2,683,391	7,781,342	10,355,576
Lessors of nonfinancial intangible assets	3	128,007	5,217,078	6,014,627
Legal services	442	39,177,323	68,390,548	93,101,985
Accounting, tax preparation, bookkeeping, and payroll services	154	11,342,787	14,945,925	21,914,535
Architectural, engineering, and related services	220	20,173,003	22,211,217	37,127,205
Specialized design services	34	2,334,198	3,726,298	5,734,280
Custom computer programming services	85	7,843,981	8,331,964	11,715,151

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Computer systems design services	131	12,777,178	11,945,855	15,368,805
Other computer related services, including facilities management	19	1,459,451	2,357,462	4,411,163
Management consulting services	474	41,364,840	42,884,325	68,697,524
Environmental and other technical consulting services	49	4,008,307	4,209,032	6,337,548
Scientific research and development services	6,847	594,815,521	750,693,413	1,496,773,615
Advertising, public relations, and related services	124	7,660,900	10,600,026	20,277,478
Photographic services	11	393,055	937,393	1,887,423
Veterinary services	28	1,180,539	1,460,515	2,389,189
Marketing research and all other miscellaneous professional, scientific, and technical services	1,342	108,371,732	196,069,384	347,232,783
Management of companies and enterprises	320	37,530,838	42,813,429	72,246,313
Office administrative services	108	5,851,858	1,243,738	5,776,352
Facilities support services	36	1,719,424	2,226,904	5,417,512
Employment services	1,598	51,811,820	68,006,514	116,477,486
Business support services	184	6,429,361	4,956,086	10,614,330
Travel arrangement and reservation services	20	895,038	1,060,974	2,890,621
Investigation and security services	184	5,821,315	5,548,006	8,893,129
Services to buildings	258	7,111,555	8,857,283	18,454,650
Landscape and horticultural services	117	3,935,603	4,512,735	8,897,061
Other support services	47	1,468,768	1,735,531	4,426,667
Waste management and remediation services	42	2,755,184	4,650,777	8,944,111
Elementary and secondary schools	83	2,961,356	2,465,576	3,059,819
Junior colleges, colleges, universities, and professional schools	106	3,412,609	4,508,671	6,814,137
Other educational services	59	2,203,469	2,419,106	4,839,076
Offices of physicians	324	33,588,319	35,063,538	49,862,507
Offices of dentists	97	6,542,266	8,155,752	11,530,474
Offices of other health practitioners	92	5,342,798	7,687,314	10,176,315
Outpatient care centers	92	8,319,984	7,656,732	12,032,063
Medical and diagnostic laboratories	29	2,126,275	3,037,321	4,487,539
Home health care services	101	5,978,218	5,727,282	7,035,452
Other ambulatory health care services	34	1,901,536	2,113,173	3,520,146

Appendix

Hospitals	355	25,928,000	33,712,388	65,322,390
Nursing and community care facilities	199	7,368,426	8,253,893	15,115,325
Residential mental retardation, mental health, substance abuse and other facilities	83	2,736,681	2,963,754	5,089,766
Individual and family services	192	4,910,234	4,008,180	6,467,887
Child day care services	104	2,499,047	3,170,487	4,711,576
Community food, housing, and other relief services, including rehabilitation services	50	1,457,455	1,418,716	3,492,317
Performing arts companies	44	720,128	885,501	2,315,715
Commercial Sports Except Racing	41	658,891	441,668	1,273,911
Racing and Track Operation	11	245,383	375,779	850,092
Independent artists, writers, and performers	27	406,905	739,199	1,996,635
Promoters of performing arts and sports and agents for public figures	46	728,258	987,087	3,329,682
Museums, historical sites, zoos, and parks	11	374,010	433,918	883,009
Amusement parks and arcades	10	164,316	308,908	558,051
Gambling industries (except casino hotels)	26	675,096	1,893,033	3,209,993
Other amusement and recreation industries	64	1,408,264	1,436,279	3,131,143
Fitness and recreational sports centers	55	803,036	966,596	2,254,246
Bowling centers	7	126,522	182,807	379,836
Hotels and motels, including casino hotels	41	1,201,254	2,206,685	3,842,184
Other accommodations	10	338,706	445,905	642,014
Full-service restaurants	589	13,163,580	18,984,374	35,128,703
Limited-service restaurants	478	8,928,388	14,142,854	33,749,534
All other food and drinking places	311	8,823,407	12,131,352	19,072,664
Automotive repair and maintenance, except car washes	157	7,308,728	9,322,171	14,082,205
Car washes	76	3,573,403	5,911,052	9,052,653
Electronic and precision equipment repair and maintenance	73	4,144,383	4,616,951	8,420,137
Commercial and industrial machinery and equipment repair and maintenance	69	4,356,399	4,437,247	7,004,151
Personal and household goods repair and maintenance	27	1,072,486	2,196,769	3,233,907
Personal care services	135	3,187,211	3,027,315	4,256,341
Death care services	28	744,771	571,803	865,441

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Dry-cleaning and laundry services	71	1,848,904	1,358,725	1,915,638
Other personal services	85	2,188,070	2,753,816	4,281,658
Religious organizations	148	5,749,572	3,800,585	12,786,117
Grantmaking, giving, and social advocacy organizations	32	1,459,118	5,465,353	8,609,077
Business and professional associations	23	1,776,297	3,362,259	5,609,491
Labor and civic organizations	37	1,180,317	3,836,553	6,215,930
Private households	102	1,363,593	1,363,593	1,363,593
Postal service	79	6,694,888	6,697,434	7,155,184
Federal electric utilities	3	621,837	1,025,348	4,208,544
Other federal government enterprises	5	278,297	284,298	1,239,666
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	19	1,854,481	2,192,383	4,400,539
Local government passenger transit	31	1,504,605	-1,248,705	2,142,990
Local government electric utilities	7	664,342	1,639,577	3,559,046
Other local government enterprises	88	6,821,745	13,573,665	28,006,320
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	608	105,773,891	129,431,164	295,460,223

Alaska

NASA

Table 631: Detailed NASA Impacts by Types of Impact, Alaska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	550	37,486,864	50,719,944	91,302,226
Oilseed farming	0	0	0	0
Grain farming	<1	269	-8,195	6,215
Vegetable and melon farming	<1	1,681	2,229	8,753
Fruit farming	<1	114	195	648
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	6,715	6,965	12,488
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,109	2,609	6,856
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-238	538	10,673
Dairy cattle and milk production	<1	44	13	1,503
Poultry and egg production	<1	156	141	1,823
Animal production, except cattle and poultry and eggs	<1	302	8,789	30,769
Forestry, forest products, and timber tract production	<1	2,849	1,860	2,393
Commercial logging	<1	6,710	1,769	4,574
Commercial fishing	<1	10,413	9,368	21,264
Commercial hunting and trapping	<1	345	30	84
Support activities for agriculture and forestry	<1	9,133	3,565	8,634
Oil and gas extraction	<1	163,247	725,208	819,741
Coal mining	<1	22,772	113,402	178,971
Copper, nickel, lead, and zinc mining	<1	15,310	90,806	150,914
Iron ore mining	0	0	0	0
Gold ore mining	<1	10,124	33,952	62,529
Silver ore mining	<1	5,923	16,509	29,462
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,691	12,408	18,008
Sand and gravel mining	<1	2,447	9,014	14,857

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	796	2,754	4,347
Drilling oil and gas wells	<1	47	127	190
Support activities for oil and gas operations	<1	1,369	2,142	3,455
Metal mining services	<1	6,653	29,998	41,981
Other nonmetallic minerals services	<1	320	1,451	1,918
Electric power generation - Hydroelectric	<1	24,071	63,477	166,789
Electric power generation - Fossil fuel	<1	33,747	110,980	410,585
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	197	614	1,802
Electric power generation - Wind	<1	1,526	10,767	28,881
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	337	1,320	5,457
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	98,466	290,675	838,614
Natural gas distribution	<1	46,035	120,129	263,437
Water, sewage and other systems	<1	25,093	44,138	75,870
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	105,477	113,137	256,298
Maintenance and repair construction of residential structures	<1	60,598	67,505	151,104
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	80	86	197
Dog and cat food manufacturing	<1	131	284	2,488
Other animal food manufacturing	<1	1,666	3,030	23,588
Flour milling	<1	663	988	13,564
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	191	256	2,943
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	174	210	1,835
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	53	75	623
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	215	262	1,989
Frozen cakes and other pastries manufacturing	<1	4,372	5,361	9,962

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	1,853	2,225	18,424
Meat processed from carcasses	<1	7,562	7,438	68,120
Rendering and meat byproduct processing	<1	173	215	1,127
Seafood product preparation and packaging	<1	23,987	26,516	126,001
Bread and bakery product, except frozen, manufacturing	<1	15,810	19,164	50,695
Cookie and cracker manufacturing	<1	1,720	2,098	10,697
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	313	359	1,816
Roasted nuts and peanut butter manufacturing	<1	2,451	2,762	11,397
Other snack food manufacturing	<1	3,158	3,864	18,178
Coffee and tea manufacturing	<1	111	161	1,801
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	140	189	1,735
All other food manufacturing	<1	16	21	365
Bottled and canned soft drinks & water	<1	1,064	1,473	14,335
Manufactured ice	<1	519	191	1,750
Breweries	<1	11,935	21,089	81,055
Wineries	<1	501	670	2,919
Distilleries	<1	286	1,810	6,320
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	712	663	4,455
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	76	72	504
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	237	223	1,586
Hosiery and sock mills	<1	11	15	38

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Other apparel knitting mills	<1	11	15	37
Cut and sew apparel contractors	<1	12	16	35
Mens and boys cut and sew apparel manufacturing	<1	7	10	29
Womens and girls cut and sew apparel manufacturing	<1	16	11	1,086
Other cut and sew apparel manufacturing	<1	10	11	227
Apparel accessories and other apparel manufacturing	<1	12	13	208
Leather and hide tanning and finishing	<1	10	-6	98
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	14	9	73
Sawmills	<1	1,248	4,315	17,559
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	85	268	857
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	2,356	6,201	19,277
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	170	609	1,585
Wood container and pallet manufacturing	<1	733	1,902	5,210
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	378	997	2,770
All other miscellaneous wood product manufacturing	<1	401	1,263	3,734
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	1,387	154	2,509

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Printing	<1	25,628	36,034	90,987
Support activities for printing	<1	582	766	1,500
Petroleum refineries	<1	27,945	342,696	832,339
Asphalt paving mixture and block manufacturing	<1	94	189	516
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	380	2,206	3,526
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	118	126	2,695
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	378	433	5,537
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	34	36	342
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	17	16	133
Pharmaceutical preparation manufacturing	<1	29	36	478
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	904	1,054	14,439
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	28	33	410
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	5,065	5,607	59,922
Other miscellaneous chemical product manufacturing	<1	187	191	1,758
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	1,855	588	6,905
Urethane and other foam product (except polystyrene) manufacturing	<1	295	131	1,210
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	278	155	848
Tire manufacturing	<1	3,115	1,416	15,095
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	820	536	2,821
Pottery, ceramics, and plumbing fixture manufacturing	<1	278	558	1,250
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	548	1,976	4,607
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	17	46	114
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	3,375	8,909	29,382
Concrete block and brick manufacturing	<1	1,217	3,574	8,290
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	155	303	742
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	182	261	637
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	126	673	1,337
Iron and steel mills and ferroalloy manufacturing	<1	70	94	2,886
Iron, steel pipe and tube manufacturing from purchased steel	<1	31	38	562
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	147	306	5,197
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	53	63	1,343
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	264	314	2,606
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	516	677	3,063
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	179	199	1,176
Fabricated structural metal manufacturing	<1	1,700	1,913	8,934
Plate work manufacturing	<1	1,041	1,071	3,861
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	56	61	214

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Ornamental and architectural metal work manufacturing	<1	302	323	1,135
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	41	44	159
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	257	283	1,224
Machine shops	<1	2,715	2,878	6,569
Turned product and screw, nut, and bolt manufacturing	<1	145	164	663
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	58	70	315
Electroplating, anodizing, and coloring metal	<1	115	120	390
Valve and fittings, other than plumbing, manufacturing	<1	224	262	1,100
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	422	444	1,555
Other fabricated metal manufacturing	<1	511	548	2,156
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	82	143	557
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	45	78	298
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	291	467	1,892
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	228	383	1,107
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	2	3	11
Packaging machinery manufacturing	<1	2	3	10
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	5	18
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	3	7
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	5	15
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	<1	118	143	331

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Industrial process variable instruments manufacturing	<1	70	94	253
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	3	5	13
Irradiation apparatus manufacturing	<1	4	7	19
Watch, clock, and other measuring and controlling device manufacturing	<1	16	23	66
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	26	7	60
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	682	-38	1,462
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	4	3	10
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	40	50	222
Truck trailer manufacturing	<1	7	8	41
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,120	2,301	10,117
Motor vehicle gasoline engine and engine parts manufacturing	<1	73	105	1,113
Motor vehicle electrical and electronic equipment manufacturing	<1	64	122	491
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	12	14	155
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	96	124	1,183
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	1	2	17
Aircraft engine and engine parts manufacturing	<1	20	28	167
Other aircraft parts and auxiliary equipment manufacturing	<1	32	35	174
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	1,168	1,228	4,815
Boat building	<1	6,312	7,232	35,506
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	9	13	113
Wood kitchen cabinet and countertop manufacturing	<1	253	404	820
Upholstered household furniture manufacturing	0	0	0	0

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Nonupholstered wood household furniture manufacturing	<1	457	596	1,481
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	71	120	242
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	203	219	603
Surgical and medical instrument manufacturing	<1	6	-1	47
Surgical appliance and supplies manufacturing	<1	169	-11	1,311
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	216	213	581
Jewelry and silverware manufacturing	<1	948	1,242	4,473
Sporting and athletic goods manufacturing	<1	33	19	264
Doll, toy, and game manufacturing	<1	220	101	1,588
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	2,332	1,616	9,085
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	418	209	2,686
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,833	16,872	44,416
Wholesale - Professional and commercial equipment and supplies	<1	44,619	63,244	121,068

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	10,181	20,079	49,255
Wholesale - Machinery, equipment, and supplies	<1	34,058	55,790	100,771
Wholesale - Other durable goods merchant wholesalers	<1	42,991	66,002	139,537
Wholesale - Drugs and druggists' sundries	<1	14,435	33,817	95,612
Wholesale - Grocery and related product wholesalers	1	71,823	89,608	196,384
Wholesale - Petroleum and petroleum products	<1	22,607	208,808	253,067
Wholesale - Other nondurable goods merchant wholesalers	<1	56,133	101,479	212,981
Wholesale - Wholesale electronic markets and agents and brokers	<1	17,292	17,817	22,101
Retail - Motor vehicle and parts dealers	2	87,528	118,227	184,008
Retail - Furniture and home furnishings stores	<1	39,364	45,767	79,104
Retail - Electronics and appliance stores	<1	36,605	33,758	61,527
Retail - Building material and garden equipment and supplies stores	1	68,097	104,083	157,932
Retail - Food and beverage stores	4	154,820	183,854	294,901
Retail - Health and personal care stores	1	62,460	73,730	115,394
Retail - Gasoline stores	1	52,909	69,125	129,093
Retail - Clothing and clothing accessories stores	2	56,547	72,145	156,488
Retail - Sporting goods, hobby, musical instrument and book stores	2	44,300	51,405	94,562
Retail - General merchandise stores	5	190,636	230,629	380,144
Retail - Miscellaneous store retailers	3	99,916	99,608	163,011
Retail - Nonstore retailers	4	114,575	350,734	688,877
Air transportation	2	167,098	280,032	621,687
Rail transportation	<1	-71	-87	612
Water transportation	<1	31,283	43,892	156,795
Truck transportation	2	142,134	182,358	318,040
Transit and ground passenger transportation	7	248,035	304,866	367,958
Pipeline transportation	<1	7,655	174,923	168,872
Scenic and sightseeing transportation and support activities for transportation	3	211,053	224,856	488,468

Appendix

Couriers and messengers	1	157,072	207,533	238,072
Warehousing and storage	1	36,222	41,885	104,384
Newspaper publishers	<1	25,590	52,948	70,176
Periodical publishers	<1	4,470	8,394	15,713
Book publishers	<1	362	1,505	3,884
Directory, mailing list, and other publishers	<1	1,918	7,042	10,154
Greeting card publishing	0	0	0	0
Software publishers	<1	4,606	12,091	15,475
Motion picture and video industries	<1	14,631	25,923	92,173
Sound recording industries	<1	514	2,316	8,361
Radio and television broadcasting	1	78,173	94,404	367,074
Cable and other subscription programming	<1	4,269	25,204	82,004
Wired telecommunications carriers	1	202,856	351,420	660,994
Wireless telecommunications carriers (except satellite)	<1	29,940	148,776	458,077
Satellite, telecommunications resellers, and all other telecommunications	<1	32,724	39,015	93,292
Data processing, hosting, and related services	<1	16,245	40,720	134,899
News syndicates, libraries, archives and all other information services	<1	8,483	21,552	40,329
Internet publishing and broadcasting and web search portals	<1	18,649	64,297	146,058
Nondepository credit intermediation and related activities	<1	49,911	65,218	109,231
Securities and commodity contracts intermediation and brokerage	2	84,378	81,003	207,496
Monetary authorities and depository credit intermediation	7	624,388	1,967,836	3,176,598
Other financial investment activities	1	41,782	56,903	196,267
Direct life insurance carriers	<1	6,228	16,922	23,844
Insurance carriers, except direct life	<1	47,557	221,572	407,300
Insurance agencies, brokerages, and related activities	1	85,357	152,556	352,441
Funds, trusts, and other financial vehicles	<1	65,918	76,751	302,502
Other real estate	18	464,329	1,954,250	4,057,065
Tenant-occupied housing	4	95,061	675,335	830,552

Appendix

Owner-occupied dwellings	0	0	2,490,557	3,161,652
Automotive equipment rental and leasing	1	77,272	172,049	282,450
General and consumer goods rental except video tapes and discs	<1	39,384	47,147	89,857
Video tape and disc rental	<1	8,575	13,242	22,054
Commercial and industrial machinery and equipment rental and leasing	<1	56,902	117,774	182,767
Lessors of nonfinancial intangible assets	<1	11,008	318,676	358,440
Legal services	4	317,203	436,412	681,798
Accounting, tax preparation, bookkeeping, and payroll services	4	227,792	296,814	464,370
Architectural, engineering, and related services	4	348,699	379,214	672,611
Specialized design services	<1	12,336	19,103	31,796
Custom computer programming services	<1	40,290	44,639	63,660
Computer systems design services	<1	30,901	28,829	38,564
Other computer related services, including facilities management	<1	62,412	83,096	183,890
Management consulting services	163	12,716,264	13,089,548	22,002,624
Environmental and other technical consulting services	2	193,127	200,096	295,554
Scientific research and development services	101	9,023,686	9,919,942	20,885,259
Advertising, public relations, and related services	2	73,648	102,822	242,120
Photographic services	<1	12,152	26,453	53,694
Veterinary services	<1	33,663	40,986	62,848
Marketing research and all other miscellaneous professional, scientific, and technical services	2	196,808	348,998	606,088
Management of companies and enterprises	7	762,170	892,211	1,579,454
Office administrative services	3	206,569	112,789	228,834
Facilities support services	<1	58,915	86,276	165,999
Employment services	4	189,212	272,605	379,966
Business support services	2	124,598	111,253	170,882
Travel arrangement and reservation services	1	62,457	79,956	211,939
Investigation and security services	3	136,127	132,693	180,979
Services to buildings	3	96,373	128,682	246,273
Landscape and horticultural services	1	54,084	64,523	112,856

Appendix

Other support services	<1	36,417	44,006	75,760
Waste management and remediation services	<1	83,240	131,966	223,206
Elementary and secondary schools	<1	9,559	7,660	9,843
Junior colleges, colleges, universities, and professional schools	18	563,692	664,642	1,038,171
Other educational services	2	66,841	71,279	149,709
Offices of physicians	9	944,754	984,990	1,373,143
Offices of dentists	2	164,753	207,191	283,730
Offices of other health practitioners	3	176,392	256,817	327,628
Outpatient care centers	3	308,762	287,454	438,951
Medical and diagnostic laboratories	<1	27,778	40,243	55,058
Home health care services	2	78,583	75,853	104,928
Other ambulatory health care services	<1	66,158	73,510	99,388
Hospitals	13	1,244,192	1,467,927	2,608,346
Nursing and community care facilities	1	48,815	54,744	95,187
Residential mental retardation, mental health, substance abuse and other facilities	2	107,822	116,504	174,444
Individual and family services	6	263,910	247,892	328,415
Child day care services	2	67,054	109,364	138,171
Community food, housing, and other relief services, including rehabilitation services	3	98,339	98,094	203,225
Performing arts companies	2	26,534	37,396	95,166
Commercial Sports Except Racing	1	14,476	14,065	36,550
Racing and Track Operation	<1	4,906	8,883	19,786
Independent artists, writers, and performers	<1	7,929	23,018	48,820
Promoters of performing arts and sports and agents for public figures	2	24,762	43,091	135,220
Museums, historical sites, zoos, and parks	<1	16,269	21,282	35,193
Amusement parks and arcades	<1	6,480	8,991	13,436
Gambling industries (except casino hotels)	2	47,064	125,530	208,654
Other amusement and recreation industries	2	47,346	49,332	88,861
Fitness and recreational sports centers	1	27,655	32,184	62,000
Bowling centers	<1	4,399	6,154	10,930

Appendix

Hotels and motels, including casino hotels	<1	19,725	35,637	61,781
Other accommodations	<1	5,697	8,943	11,781
Full-service restaurants	10	328,425	446,764	732,469
Limited-service restaurants	7	186,660	269,884	563,357
All other food and drinking places	10	368,023	512,093	734,801
Automotive repair and maintenance, except car washes	4	228,983	192,000	308,101
Car washes	2	89,284	118,261	188,397
Electronic and precision equipment repair and maintenance	<1	26,058	28,903	51,950
Commercial and industrial machinery and equipment repair and maintenance	1	127,579	72,117	125,175
Personal and household goods repair and maintenance	<1	37,457	54,220	81,180
Personal care services	2	88,849	69,567	91,816
Death care services	<1	9,444	3,986	6,268
Dry-cleaning and laundry services	<1	38,084	14,423	21,941
Other personal services	1	47,935	54,030	76,608
Religious organizations	4	199,320	32,568	245,778
Grantmaking, giving, and social advocacy organizations	2	112,142	237,693	438,383
Business and professional associations	<1	36,545	49,148	103,618
Labor and civic organizations	2	95,926	185,547	330,924
Private households	1	25,182	25,178	25,178
Postal service	2	185,435	185,456	195,540
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,557	6,411	42,869
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	72,562	65,295	113,822
Local government passenger transit	<1	8,754	-9,062	2,203
Local government electric utilities	<1	20,862	51,607	90,104
Other local government enterprises	<1	36,193	46,735	93,630
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	133,881	420,604	962,227

Moon to Mars Campaign

Table 632: Detailed M2M Campaign Impacts by Types of Impact, Alaska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	17	1,230,725	1,604,768	2,710,024
Oilseed farming	0	0	0	0
Grain farming	<1	6	-183	130
Vegetable and melon farming	<1	48	65	254
Fruit farming	<1	4	6	21
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	194	205	364
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	70	61	159
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-5	10	187
Dairy cattle and milk production	<1	<1	<1	18
Poultry and egg production	<1	4	4	44
Animal production, except cattle and poultry and eggs	<1	5	147	520
Forestry, forest products, and timber tract production	<1	61	40	50
Commercial logging	<1	160	42	105
Commercial fishing	<1	313	248	567
Commercial hunting and trapping	<1	15	<1	2
Support activities for agriculture and forestry	<1	145	56	137
Oil and gas extraction	<1	2,987	16,492	18,905

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Coal mining	<1	379	1,752	2,837
Copper, nickel, lead, and zinc mining	<1	191	1,231	1,916
Iron ore mining	0	0	0	0
Gold ore mining	<1	104	351	662
Silver ore mining	<1	49	138	242
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	39	247	365
Sand and gravel mining	<1	45	151	245
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	14	47	73
Drilling oil and gas wells	<1	<1	3	4
Support activities for oil and gas operations	<1	19	31	51
Metal mining services	<1	124	645	911
Other nonmetallic minerals services	<1	4	24	31
Electric power generation - Hydroelectric	<1	632	1,660	4,274
Electric power generation - Fossil fuel	<1	1,180	3,713	12,680
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5	15	44
Electric power generation - Wind	<1	35	250	656
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	8	34	131
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,870	8,458	23,171
Natural gas distribution	<1	1,262	3,397	7,139
Water, sewage and other systems	<1	692	1,202	1,961
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,467	2,669	5,923
Maintenance and repair construction of residential structures	<1	1,845	2,064	4,545
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	2	6
Dog and cat food manufacturing	<1	3	7	59
Other animal food manufacturing	<1	33	62	462
Flour milling	<1	16	25	337
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	6	9	96
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	5	6	50
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	2	3	21
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	6	7	53
Frozen cakes and other pastries manufacturing	<1	131	161	295
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	42	51	419
Meat processed from carcasses	<1	218	217	1,963
Rendering and meat byproduct processing	<1	5	7	35
Seafood product preparation and packaging	<1	588	674	3,099
Bread and bakery product, except frozen, manufacturing	<1	459	559	1,466
Cookie and cracker manufacturing	<1	57	74	345
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	9	10	50
Roasted nuts and peanut butter manufacturing	<1	78	92	356
Other snack food manufacturing	<1	93	116	534
Coffee and tea manufacturing	<1	3	5	49
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	5	8	65
All other food manufacturing	<1	<1	<1	12
Bottled and canned soft drinks & water	<1	30	42	400
Manufactured ice	<1	15	6	49
Breweries	<1	325	604	2,262
Wineries	<1	19	26	110
Distilleries	<1	8	55	182
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	18	18	111
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	2	2	13
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	9	8	56
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	45
Other cut and sew apparel manufacturing	<1	<1	<1	9
Apparel accessories and other apparel manufacturing	<1	<1	<1	7
Leather and hide tanning and finishing	<1	<1	0	3
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	27	94	385
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	2	7	23
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	42	112	345
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	4	13	33
Wood container and pallet manufacturing	<1	21	54	145
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	9	23	65
All other miscellaneous wood product manufacturing	<1	12	40	110
Pulp mills	0	0	0	0

Appendix

Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	35	4	65
Printing	<1	942	1,357	3,229
Support activities for printing	<1	23	30	58
Petroleum refineries	<1	743	8,869	21,461
Asphalt paving mixture and block manufacturing	<1	2	5	13
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	11	66	103
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	3	3	67
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	10	12	144
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	8
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	<1	5
Pharmaceutical preparation manufacturing	<1	1	1	17
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	32	42	488
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1	1	15
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	146	169	1,737
Other miscellaneous chemical product manufacturing	<1	5	5	47
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	46	15	173
Urethane and other foam product (except polystyrene) manufacturing	<1	8	4	33
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	7	4	22
Tire manufacturing	<1	68	31	341
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	13	9	47
Pottery, ceramics, and plumbing fixture manufacturing	<1	7	13	30
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	12	42	103
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	<1	<1	2
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	64	167	554
Concrete block and brick manufacturing	<1	29	82	196
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	3	6	16
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	4	6	15
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	2	12	23
Iron and steel mills and ferroalloy manufacturing	<1	1	2	63
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	14
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	2	3	62
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	1	23
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	10	11	95
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	17	22	99
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	4	4	24
Fabricated structural metal manufacturing	<1	36	39	185
Plate work manufacturing	<1	23	24	85
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	1	1	4
Ornamental and architectural metal work manufacturing	<1	7	7	25
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	1	1	5
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	8	9	38
Machine shops	<1	80	84	191
Turned product and screw, nut, and bolt manufacturing	<1	6	7	28
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	2	2	10
Electroplating, anodizing, and coloring metal	<1	4	4	12
Valve and fittings, other than plumbing, manufacturing	<1	6	6	27
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	9	10	34
Other fabricated metal manufacturing	<1	14	15	58
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	1	3	10
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	2	3	11
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	7	11	42
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	7	12	33
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	5	6	13
Industrial process variable instruments manufacturing	<1	2	2	6
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0

Appendix

Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	33	-2	67
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	1	1	6
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	51	56	245
Motor vehicle gasoline engine and engine parts manufacturing	<1	2	3	32
Motor vehicle electrical and electronic equipment manufacturing	<1	2	3	12
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	5
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	3	3	35
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	2	2	17
Other aircraft parts and auxiliary equipment manufacturing	<1	4	4	20
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	30	32	125
Boat building	<1	159	180	891
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	<1	<1	4
Wood kitchen cabinet and countertop manufacturing	<1	6	9	20
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	14	18	44
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	2	3	6
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	5	6	17
Surgical and medical instrument manufacturing	<1	<1	0	1
Surgical appliance and supplies manufacturing	<1	6	0	45
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	8	8	20
Jewelry and silverware manufacturing	<1	27	36	129
Sporting and athletic goods manufacturing	<1	<1	<1	7
Doll, toy, and game manufacturing	<1	6	3	47
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	54	38	210
Gasket, packing, and sealing device manufacturing	0	0	0	0

Appendix

Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	15	8	94
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	278	536	1,408
Wholesale - Professional and commercial equipment and supplies	<1	1,631	2,310	4,382
Wholesale - Household appliances and electrical and electronic goods	<1	304	600	1,464
Wholesale - Machinery, equipment, and supplies	<1	761	1,251	2,256
Wholesale - Other durable goods merchant wholesalers	<1	1,217	1,880	3,955
Wholesale - Drugs and druggists' sundries	<1	426	997	2,770
Wholesale - Grocery and related product wholesalers	<1	2,014	2,514	5,488
Wholesale - Petroleum and petroleum products	<1	590	6,543	7,775
Wholesale - Other nondurable goods merchant wholesalers	<1	1,653	3,103	6,360
Wholesale - Wholesale electronic markets and agents and brokers	<1	509	524	649
Retail - Motor vehicle and parts dealers	<1	2,591	3,501	5,413
Retail - Furniture and home furnishings stores	<1	1,179	1,371	2,347
Retail - Electronics and appliance stores	<1	1,086	1,016	1,819
Retail - Building material and garden equipment and supplies stores	<1	1,987	3,045	4,598
Retail - Food and beverage stores	<1	4,855	5,732	9,079
Retail - Health and personal care stores	<1	1,824	2,164	3,384
Retail - Gasoline stores	<1	1,621	2,054	3,729
Retail - Clothing and clothing accessories stores	<1	1,731	2,191	4,662
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,307	1,520	2,760
Retail - General merchandise stores	<1	5,436	6,612	10,891

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Retail - Miscellaneous store retailers	<1	3,022	3,009	4,824
Retail - Nonstore retailers	<1	3,361	10,918	21,142
Air transportation	<1	5,454	9,416	20,523
Rail transportation	<1	-3	-3	21
Water transportation	<1	806	1,141	3,950
Truck transportation	<1	4,827	6,155	10,715
Transit and ground passenger transportation	<1	12,366	15,139	17,497
Pipeline transportation	<1	140	3,445	3,398
Scenic and sightseeing transportation and support activities for transportation	<1	5,340	5,714	12,524
Couriers and messengers	<1	6,193	8,457	9,701
Warehousing and storage	<1	1,234	1,431	3,546
Newspaper publishers	<1	726	1,506	1,966
Periodical publishers	<1	177	334	594
Book publishers	<1	12	48	123
Directory, mailing list, and other publishers	<1	55	209	299
Greeting card publishing	0	0	0	0
Software publishers	<1	146	388	494
Motion picture and video industries	<1	527	928	2,966
Sound recording industries	<1	18	82	280
Radio and television broadcasting	<1	2,905	3,329	10,484
Cable and other subscription programming	<1	236	978	2,674
Wired telecommunications carriers	<1	6,357	10,739	19,926
Wireless telecommunications carriers (except satellite)	<1	1,066	5,419	16,191
Satellite, telecommunications resellers, and all other telecommunications	<1	1,148	1,348	3,103
Data processing, hosting, and related services	<1	595	1,477	4,424
News syndicates, libraries, archives and all other information services	<1	358	936	1,645
Internet publishing and broadcasting and web search portals	<1	774	2,667	4,845
Nondepository credit intermediation and related activities	<1	1,721	2,252	3,638
Securities and commodity contracts intermediation and brokerage	<1	3,000	2,826	6,609

Appendix

Monetary authorities and depository credit intermediation	<1	19,151	60,237	96,156
Other financial investment activities	<1	1,585	2,105	6,484
Direct life insurance carriers	<1	168	478	655
Insurance carriers, except direct life	<1	1,412	6,950	12,175
Insurance agencies, brokerages, and related activities	<1	2,533	4,676	10,398
Funds, trusts, and other financial vehicles	<1	2,282	2,729	9,200
Other real estate	<1	11,099	44,906	87,273
Tenant-occupied housing	<1	2,989	21,861	26,388
Owner-occupied dwellings	0	0	80,156	101,755
Automotive equipment rental and leasing	<1	3,153	5,929	9,336
General and consumer goods rental except video tapes and discs	<1	1,371	1,555	2,835
Video tape and disc rental	<1	254	388	644
Commercial and industrial machinery and equipment rental and leasing	<1	2,135	4,008	6,115
Lessors of nonfinancial intangible assets	<1	379	11,196	12,512
Legal services	<1	6,560	9,165	14,113
Accounting, tax preparation, bookkeeping, and payroll services	<1	8,649	11,607	17,642
Architectural, engineering, and related services	<1	6,514	7,183	12,569
Specialized design services	<1	514	833	1,332
Custom computer programming services	<1	1,340	1,472	2,062
Computer systems design services	<1	1,050	982	1,297
Other computer related services, including facilities management	<1	2,485	3,275	7,087
Management consulting services	8	673,013	697,415	1,138,580
Environmental and other technical consulting services	<1	6,490	6,811	9,938
Scientific research and development services	<1	91,501	99,733	204,654
Advertising, public relations, and related services	<1	2,168	3,089	6,959
Photographic services	<1	424	999	1,920
Veterinary services	<1	978	1,220	1,830
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	4,137	7,587	12,810

Appendix

Management of companies and enterprises	<1	20,191	23,774	41,349
Office administrative services	<1	8,348	4,909	9,110
Facilities support services	<1	2,368	3,462	6,169
Employment services	<1	5,546	8,147	10,892
Business support services	<1	3,876	3,523	5,195
Travel arrangement and reservation services	<1	2,051	2,643	6,939
Investigation and security services	<1	4,706	4,615	6,093
Services to buildings	<1	2,775	3,768	6,920
Landscape and horticultural services	<1	1,470	1,769	3,019
Other support services	<1	1,054	1,285	2,160
Waste management and remediation services	<1	2,348	3,719	6,225
Elementary and secondary schools	<1	355	285	362
Junior colleges, colleges, universities, and professional schools	<1	2,199	2,586	3,879
Other educational services	<1	2,215	2,379	4,847
Offices of physicians	<1	28,307	29,652	41,320
Offices of dentists	<1	4,990	6,371	8,637
Offices of other health practitioners	<1	5,211	7,759	9,812
Outpatient care centers	<1	9,502	8,906	13,735
Medical and diagnostic laboratories	<1	858	1,271	1,714
Home health care services	<1	2,369	2,297	3,200
Other ambulatory health care services	<1	2,021	2,265	3,037
Hospitals	<1	42,224	49,457	87,432
Nursing and community care facilities	<1	1,517	1,702	2,904
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,713	4,020	5,925
Individual and family services	<1	8,459	8,021	10,517
Child day care services	<1	2,151	3,554	4,417
Community food, housing, and other relief services, including rehabilitation services	<1	3,391	3,394	6,885
Performing arts companies	<1	1,026	1,427	3,351
Commercial Sports Except Racing	<1	489	461	1,177
Racing and Track Operation	<1	164	297	600
Independent artists, writers, and performers	<1	298	803	1,664

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Promoters of performing arts and sports and agents for public figures	<1	877	1,489	4,397
Museums, historical sites, zoos, and parks	<1	499	652	1,061
Amusement parks and arcades	<1	220	274	409
Gambling industries (except casino hotels)	<1	1,504	3,909	6,415
Other amusement and recreation industries	<1	1,478	1,482	2,633
Fitness and recreational sports centers	<1	914	1,013	1,928
Bowling centers	<1	132	179	314
Hotels and motels, including casino hotels	<1	801	1,422	2,434
Other accommodations	<1	247	386	501
Full-service restaurants	<1	10,451	14,375	23,092
Limited-service restaurants	<1	5,825	8,485	17,235
All other food and drinking places	<1	13,259	18,477	25,906
Automotive repair and maintenance, except car washes	<1	7,273	5,888	9,441
Car washes	<1	2,759	3,635	5,759
Electronic and precision equipment repair and maintenance	<1	456	509	896
Commercial and industrial machinery and equipment repair and maintenance	<1	3,592	1,998	3,418
Personal and household goods repair and maintenance	<1	1,175	1,654	2,468
Personal care services	<1	2,844	2,153	2,849
Death care services	<1	330	121	197
Dry-cleaning and laundry services	<1	1,179	389	612
Other personal services	<1	1,440	1,605	2,261
Religious organizations	<1	6,503	923	7,702
Grantmaking, giving, and social advocacy organizations	<1	4,003	7,939	14,704
Business and professional associations	<1	1,175	1,504	3,133
Labor and civic organizations	<1	3,339	6,079	11,031
Private households	<1	828	828	828
Postal service	<1	7,160	7,162	7,539
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	223	238	1,402
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	1,138	1,021	1,672
Local government passenger transit	<1	348	-371	67
Local government electric utilities	<1	515	1,207	2,092
Other local government enterprises	<1	963	1,181	2,360
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 633: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Alaska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>171</i>	<i>11,138,726</i>	<i>15,728,193</i>	<i>30,158,869</i>
Oilseed farming	0	0	0	0
Grain farming	<1	103	-2,704	2,407
Vegetable and melon farming	<1	492	660	2,618
Fruit farming	<1	31	54	180
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	1,793	1,892	3,477
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,206	1,009	2,743
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-117	295	5,904

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Dairy cattle and milk production	<1	21	6	719
Poultry and egg production	<1	63	55	769
Animal production, except cattle and poultry and eggs	<1	190	4,752	16,013
Forestry, forest products, and timber tract production	<1	1,213	797	1,053
Commercial logging	<1	2,559	677	1,815
Commercial fishing	<1	3,011	3,969	8,815
Commercial hunting and trapping	<1	112	12	32
Support activities for agriculture and forestry	<1	5,290	2,095	5,043
Oil and gas extraction	<1	66,404	288,728	317,459
Coal mining	<1	13,544	85,306	134,230
Copper, nickel, lead, and zinc mining	<1	8,772	47,335	80,236
Iron ore mining	0	0	0	0
Gold ore mining	<1	5,345	18,049	33,656
Silver ore mining	<1	3,561	9,734	17,907
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	695	6,176	8,579
Sand and gravel mining	<1	1,198	4,751	7,785
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	338	1,296	2,062
Drilling oil and gas wells	<1	24	70	98
Support activities for oil and gas operations	<1	676	1,056	1,634
Metal mining services	<1	3,589	16,948	21,841
Other nonmetallic minerals services	<1	222	964	1,178
Electric power generation - Hydroelectric	<1	9,222	22,935	59,374
Electric power generation - Fossil fuel	<1	10,974	37,451	143,743
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	60	191	571
Electric power generation - Wind	<1	796	5,429	15,352
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	<1	107	403	1,756
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	35,489	107,074	314,834
Natural gas distribution	<1	15,494	40,191	90,519
Water, sewage and other systems	<1	10,545	18,698	32,947
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	40,844	44,149	101,749
Maintenance and repair construction of residential structures	<1	18,248	20,327	46,477
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	28	64
Dog and cat food manufacturing	<1	43	91	825
Other animal food manufacturing	<1	844	1,500	12,114
Flour milling	<1	254	390	5,297
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	51	69	817
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	55	67	590
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	13	19	157
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	70	84	671
Frozen cakes and other pastries manufacturing	<1	1,388	1,706	3,224
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	682	819	6,840
Meat processed from carcasses	<1	2,349	2,303	21,591
Rendering and meat byproduct processing	<1	57	69	375
Seafood product preparation and packaging	<1	9,096	10,043	51,587
Bread and bakery product, except frozen, manufacturing	<1	4,976	6,078	16,230
Cookie and cracker manufacturing	<1	486	590	3,178
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	98	114	603
Roasted nuts and peanut butter manufacturing	<1	701	781	3,327
Other snack food manufacturing	<1	1,010	1,287	5,946
Coffee and tea manufacturing	<1	35	50	559
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	41	55	517
All other food manufacturing	<1	4	6	102

Appendix

Bottled and canned soft drinks & water	<1	351	488	4,813
Manufactured ice	<1	164	60	581
Breweries	<1	3,722	6,522	25,193
Wineries	<1	123	166	743
Distilleries	<1	100	591	2,126
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	213	182	1,356
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	0	0	0	0
Textile bag and canvas mills	<1	26	24	176
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	54	51	377
Hosiery and sock mills	<1	3	5	12
Other apparel knitting mills	<1	3	4	11
Cut and sew apparel contractors	<1	5	6	13
Mens and boys cut and sew apparel manufacturing	<1	2	2	7
Womens and girls cut and sew apparel manufacturing	<1	4	2	254
Other cut and sew apparel manufacturing	<1	3	3	70
Apparel accessories and other apparel manufacturing	<1	3	3	58
Leather and hide tanning and finishing	<1	4	-2	35
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	4	3	21
Sawmills	<1	523	1,774	7,264
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	34	105	340
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,173	3,088	9,714

Appendix

Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	74	263	700
Wood container and pallet manufacturing	<1	245	638	1,766
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	138	362	971
All other miscellaneous wood product manufacturing	<1	135	425	1,304
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	518	59	929
Printing	<1	5,733	7,776	20,956
Support activities for printing	<1	148	193	385
Petroleum refineries	<1	10,421	119,122	291,301
Asphalt paving mixture and block manufacturing	<1	37	74	208
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	135	776	1,281
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	<1	66	68	1,319
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	147	165	2,178
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	15	15	146
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	4	4	34
Pharmaceutical preparation manufacturing	<1	8	10	136
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	211	242	3,672
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	8	9	114
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	1,348	1,497	16,110
Other miscellaneous chemical product manufacturing	<1	68	68	614
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	742	239	2,825
Urethane and other foam product (except polystyrene) manufacturing	<1	103	46	435
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	94	52	294

Appendix

Tire manufacturing	<1	1,113	512	5,523
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	446	295	1,507
Pottery, ceramics, and plumbing fixture manufacturing	<1	95	191	423
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	248	925	2,145
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	8	22	53
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,677	4,503	14,649
Concrete block and brick manufacturing	<1	535	1,621	3,695
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	74	147	354
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	73	105	255
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	71	410	804
Iron and steel mills and ferroalloy manufacturing	<1	24	37	1,015
Iron, steel pipe and tube manufacturing from purchased steel	<1	12	16	233
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	128	301	4,627
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	21	31	570
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	<1	60	72	593
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	140	184	858
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	86	97	571
Fabricated structural metal manufacturing	<1	807	921	4,343
Plate work manufacturing	<1	513	526	1,902
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	23	25	91
Ornamental and architectural metal work manufacturing	<1	134	145	523
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	16	18	64
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	71	79	336
Machine shops	<1	683	729	1,703
Turned product and screw, nut, and bolt manufacturing	<1	32	37	152
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	20	24	107
Electroplating, anodizing, and coloring metal	<1	41	43	141
Valve and fittings, other than plumbing, manufacturing	<1	91	107	455

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	207	219	760
Other fabricated metal manufacturing	<1	156	169	674
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	62	105	379
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	19	32	122
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	123	194	817
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	94	153	461
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	4
Packaging machinery manufacturing	<1	<1	<1	3
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	6
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	4
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	31	38	90
Industrial process variable instruments manufacturing	<1	25	34	90
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	<1	1	3
Irradiation apparatus manufacturing	<1	1	2	6
Watch, clock, and other measuring and controlling device manufacturing	<1	3	5	14
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	9	2	21
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	162	-9	354
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	1	<1	3
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	14	18	76
Truck trailer manufacturing	<1	3	4	17
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	792	889	3,814
Motor vehicle gasoline engine and engine parts manufacturing	<1	19	29	301
Motor vehicle electrical and electronic equipment manufacturing	<1	21	45	186
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	<1	5	6	62
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	29	41	359

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	6
Aircraft engine and engine parts manufacturing	<1	3	4	26
Other aircraft parts and auxiliary equipment manufacturing	<1	6	6	31
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	540	570	2,242
Boat building	<1	2,415	2,730	13,887
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	3	4	36
Wood kitchen cabinet and countertop manufacturing	<1	94	154	314
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	134	175	440
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	22	39	80
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	60	65	185
Surgical and medical instrument manufacturing	<1	2	0	13
Surgical appliance and supplies manufacturing	<1	48	-3	379
Dental equipment and supplies manufacturing	0	0	0	0

Appendix

Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	58	58	158
Jewelry and silverware manufacturing	<1	298	384	1,404
Sporting and athletic goods manufacturing	<1	9	5	75
Doll, toy, and game manufacturing	<1	57	25	413
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	866	578	3,341
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	142	70	937
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,733	5,328	13,919
Wholesale - Professional and commercial equipment and supplies	<1	10,516	14,968	28,899
Wholesale - Household appliances and electrical and electronic goods	<1	3,190	6,484	15,930
Wholesale - Machinery, equipment, and supplies	<1	14,478	24,161	43,415
Wholesale - Other durable goods merchant wholesalers	<1	14,110	21,867	46,308
Wholesale - Drugs and druggists' sundries	<1	4,600	11,128	31,478
Wholesale - Grocery and related product wholesalers	<1	23,442	29,570	65,119
Wholesale - Petroleum and petroleum products	<1	9,182	69,950	85,871
Wholesale - Other nondurable goods merchant wholesalers	<1	17,321	30,958	65,771
Wholesale - Wholesale electronic markets and agents and brokers	<1	5,516	5,687	7,073
Retail - Motor vehicle and parts dealers	<1	27,620	37,281	58,254
Retail - Furniture and home furnishings stores	<1	12,140	14,112	24,682
Retail - Electronics and appliance stores	<1	11,491	10,510	19,382

Appendix

Retail - Building material and garden equipment and supplies stores	<1	21,492	32,995	50,279
Retail - Food and beverage stores	1	46,461	55,583	90,333
Retail - Health and personal care stores	<1	19,717	23,281	36,638
Retail - Gasoline stores	<1	16,329	22,081	42,579
Retail - Clothing and clothing accessories stores	<1	17,404	22,461	49,885
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,553	15,787	29,538
Retail - General merchandise stores	2	62,141	74,940	124,097
Retail - Miscellaneous store retailers	1	29,668	29,867	50,193
Retail - Nonstore retailers	1	33,490	102,622	206,080
Air transportation	<1	44,459	71,707	162,770
Rail transportation	<1	-23	-29	203
Water transportation	<1	13,351	18,790	67,980
Truck transportation	<1	46,988	61,277	109,371
Transit and ground passenger transportation	1	33,365	39,649	50,845
Pipeline transportation	<1	3,857	70,252	69,003
Scenic and sightseeing transportation and support activities for transportation	2	92,319	98,394	213,250
Couriers and messengers	<1	34,436	46,360	53,940
Warehousing and storage	<1	10,401	12,048	30,445
Newspaper publishers	<1	8,493	17,354	23,164
Periodical publishers	<1	1,070	1,989	3,836
Book publishers	<1	89	370	967
Directory, mailing list, and other publishers	<1	438	1,561	2,254
Greeting card publishing	0	0	0	0
Software publishers	<1	1,235	3,203	4,136
Motion picture and video industries	<1	3,703	6,377	25,265
Sound recording industries	<1	156	655	2,503
Radio and television broadcasting	<1	21,402	26,732	121,661
Cable and other subscription programming	<1	974	6,335	22,277
Wired telecommunications carriers	<1	57,160	99,380	190,277
Wireless telecommunications carriers (except satellite)	<1	7,333	35,236	112,019

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	7,644	9,448	24,007
Data processing, hosting, and related services	<1	3,569	8,934	32,666
News syndicates, libraries, archives and all other information services	<1	1,831	4,606	9,049
Internet publishing and broadcasting and web search portals	<1	3,153	11,103	34,208
Nondepository credit intermediation and related activities	<1	13,525	17,337	30,085
Securities and commodity contracts intermediation and brokerage	<1	21,120	20,697	58,095
Monetary authorities and depository credit intermediation	2	169,331	497,037	837,109
Other financial investment activities	<1	10,401	14,379	54,265
Direct life insurance carriers	<1	2,003	5,373	7,854
Insurance carriers, except direct life	<1	14,858	67,167	128,760
Insurance agencies, brokerages, and related activities	<1	24,825	44,763	104,071
Funds, trusts, and other financial vehicles	<1	20,458	23,614	95,339
Other real estate	8	189,493	795,243	1,725,673
Tenant-occupied housing	1	28,826	193,194	241,709
Owner-occupied dwellings	0	0	725,062	920,435
Automotive equipment rental and leasing	<1	17,905	45,390	76,312
General and consumer goods rental except video tapes and discs	<1	10,765	13,530	26,503
Video tape and disc rental	<1	2,623	4,112	6,869
Commercial and industrial machinery and equipment rental and leasing	<1	13,659	31,917	50,372
Lessors of nonfinancial intangible assets	<1	2,897	78,085	87,697
Legal services	2	146,530	199,338	314,284
Accounting, tax preparation, bookkeeping, and payroll services	<1	42,421	53,902	86,089
Architectural, engineering, and related services	2	171,585	183,189	330,029
Specialized design services	<1	1,385	2,025	3,577
Custom computer programming services	<1	9,088	10,133	14,856

Appendix

Computer systems design services	<1	7,251	6,715	9,105
Other computer related services, including facilities management	<1	12,920	17,126	38,821
Management consulting services	6	483,082	497,314	849,493
Environmental and other technical consulting services	<1	56,238	58,315	87,142
Scientific research and development services	65	5,527,854	6,243,888	13,213,603
Advertising, public relations, and related services	<1	23,583	32,350	78,820
Photographic services	<1	2,335	4,760	10,256
Veterinary services	<1	10,591	12,626	19,713
Marketing research and all other miscellaneous professional, scientific, and technical services	1	90,820	158,021	289,826
Management of companies and enterprises	3	268,822	314,810	569,599
Office administrative services	<1	50,298	27,536	57,573
Facilities support services	<1	11,007	16,318	33,006
Employment services	1	61,723	88,499	127,245
Business support services	<1	30,425	26,993	43,083
Travel arrangement and reservation services	<1	14,472	18,592	50,282
Investigation and security services	<1	34,276	33,318	46,715
Services to buildings	1	33,578	44,813	88,263
Landscape and horticultural services	<1	16,725	19,973	35,579
Other support services	<1	10,178	12,330	21,961
Waste management and remediation services	<1	26,927	42,655	72,947
Elementary and secondary schools	<1	2,613	2,115	2,738
Junior colleges, colleges, universities, and professional schools	14	456,251	538,700	837,845
Other educational services	<1	19,889	21,178	45,024
Offices of physicians	3	296,167	307,737	430,945
Offices of dentists	<1	50,440	62,709	86,423
Offices of other health practitioners	<1	55,517	79,405	101,655
Outpatient care centers	<1	89,702	83,139	127,686
Medical and diagnostic laboratories	<1	8,518	12,136	16,892
Home health care services	<1	25,136	24,180	33,809
Other ambulatory health care services	<1	20,256	22,361	30,437

Appendix

Hospitals	4	353,816	418,349	751,514
Nursing and community care facilities	<1	14,551	16,305	28,923
Residential mental retardation, mental health, substance abuse and other facilities	<1	29,806	32,181	48,825
Individual and family services	2	71,108	65,795	88,445
Child day care services	<1	19,582	30,922	40,068
Community food, housing, and other relief services, including rehabilitation services	<1	26,304	26,151	55,321
Performing arts companies	<1	5,977	8,625	23,100
Commercial Sports Except Racing	<1	3,839	3,875	10,219
Racing and Track Operation	<1	1,382	2,617	6,152
Independent artists, writers, and performers	<1	1,865	5,932	12,720
Promoters of performing arts and sports and agents for public figures	<1	5,842	10,564	34,496
Museums, historical sites, zoos, and parks	<1	4,527	5,962	10,060
Amusement parks and arcades	<1	1,814	2,682	4,070
Gambling industries (except casino hotels)	<1	13,304	34,704	59,333
Other amusement and recreation industries	<1	12,556	13,127	24,545
Fitness and recreational sports centers	<1	7,366	8,650	17,222
Bowling centers	<1	1,271	1,798	3,282
Hotels and motels, including casino hotels	<1	4,389	8,090	14,204
Other accommodations	<1	1,145	1,811	2,415
Full-service restaurants	3	90,328	121,382	203,810
Limited-service restaurants	2	54,997	78,604	169,462
All other food and drinking places	2	81,768	113,762	166,067
Automotive repair and maintenance, except car washes	1	68,210	59,393	95,458
Car washes	<1	26,605	35,411	56,779
Electronic and precision equipment repair and maintenance	<1	14,787	16,235	29,972
Commercial and industrial machinery and equipment repair and maintenance	<1	39,253	22,210	39,429
Personal and household goods repair and maintenance	<1	10,905	16,348	24,699
Personal care services	<1	25,594	20,607	27,263
Death care services	<1	2,712	1,289	1,979

Appendix

Dry-cleaning and laundry services	<1	12,059	5,157	7,657
Other personal services	<1	15,112	17,192	24,638
Religious organizations	1	55,436	10,324	72,006
Grantmaking, giving, and social advocacy organizations	<1	28,582	63,562	116,834
Business and professional associations	<1	10,561	14,651	31,052
Labor and civic organizations	<1	25,807	52,184	91,948
Private households	<1	7,329	7,329	7,329
Postal service	<1	34,323	34,330	36,232
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,409	2,084	13,814
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	40,967	39,142	70,436
Local government passenger transit	<1	1,521	-1,185	549
Local government electric utilities	<1	6,995	19,117	33,635
Other local government enterprises	<1	12,248	16,944	33,857
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	39,405	113,406	259,442

Arizona

NASA

Table 634: Detailed NASA Impacts by Types of Impact, Arizona

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,876</i>	<i>246,180,804</i>	<i>385,329,436</i>	<i>711,189,113</i>
Oilseed farming	0	0	0	0
Grain farming	<1	38,820	56,827	223,960
Vegetable and melon farming	2	96,936	183,391	356,934
Fruit farming	1	46,611	95,993	141,740
Tree nut farming	<1	34,254	74,687	110,406
Greenhouse, nursery, and floriculture production	1	60,645	89,675	177,165
Tobacco farming	0	0	0	0
Cotton farming	<1	10,700	15,295	29,974
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	4	71,904	103,381	208,531
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	3	110,124	247,907	753,598
Dairy cattle and milk production	1	73,136	146,720	783,111
Poultry and egg production	<1	2,167	3,392	40,079
Animal production, except cattle and poultry and eggs	2	110,656	286,985	393,316
Forestry, forest products, and timber tract production	<1	4,103	4,500	5,448
Commercial logging	<1	9,738	10,803	16,623
Commercial fishing	<1	8,346	15,797	16,809
Commercial hunting and trapping	<1	2,485	11,161	13,062
Support activities for agriculture and forestry	10	416,943	421,978	506,524
Oil and gas extraction	2	21,329	5,778	846,407
Coal mining	<1	16,653	38,873	55,903
Copper, nickel, lead, and zinc mining	5	601,433	1,790,512	2,793,471
Iron ore mining	0	0	0	0
Gold ore mining	<1	20,022	25,109	25,675
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	1,155	2,246	4,134
Other metal ore mining	<1	9,165	13,927	22,524
Stone mining and quarrying	<1	14,613	51,270	86,062
Sand and gravel mining	<1	19,656	42,231	73,641

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Other clay, ceramic, refractory minerals mining	<1	3,797	7,604	11,995
Potash, soda, and borate mineral mining	<1	5,749	9,171	11,379
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	4,725	10,241	15,686
Other nonmetallic minerals	<1	7,721	15,264	28,204
Drilling oil and gas wells	<1	24	26	106
Support activities for oil and gas operations	<1	233	222	985
Metal mining services	<1	3,278	3,992	37,811
Other nonmetallic minerals services	<1	424	508	3,188
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	27,375	128,711	333,879
Electric power generation - Nuclear	1	211,979	552,612	1,188,899
Electric power generation - Solar	<1	32,904	131,638	252,552
Electric power generation - Wind	<1	1,789	17,574	31,792
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,119	6,123	17,052
Electric power generation - All other	<1	6,082	4,505	12,511
Electric power transmission and distribution	5	757,920	2,853,325	6,347,203
Natural gas distribution	2	180,923	574,817	1,303,384
Water, sewage and other systems	<1	73,155	156,199	273,873
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	16	963,415	1,698,731	3,614,296
Maintenance and repair construction of residential structures	6	312,258	528,780	1,132,686
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	399	699	1,489
Dog and cat food manufacturing	<1	11,729	35,487	119,339
Other animal food manufacturing	<1	34,749	64,880	439,747
Flour milling	<1	8,704	16,994	114,347
Rice milling	0	0	0	0
Malt manufacturing	<1	1,704	3,200	21,728
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	3,543	19,912	166,505
Fats and oils refining and blending	<1	4,611	9,480	85,868
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2,493	3,981	23,185
Chocolate and confectionery manufacturing from cacao beans	<1	327	518	3,096
Confectionery manufacturing from purchased chocolate	<1	855	1,236	10,711
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	6,176	8,827	38,545
Canned fruits and vegetables manufacturing	<1	6,537	13,928	70,161
Canned specialties	<1	7,606	20,276	90,719
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	17,012	24,867	205,060
Dry, condensed, and evaporated dairy product manufacturing	<1	14,791	37,012	182,272
Fluid milk manufacturing	1	93,011	152,426	873,575
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	7,241	10,340	49,111
Frozen cakes and other pastries manufacturing	1	48,025	68,391	126,659

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	2	95,964	122,172	1,082,156
Meat processed from carcasses	<1	10,461	12,317	67,337
Rendering and meat byproduct processing	<1	4,316	4,644	24,691
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	4	165,742	240,403	598,814
Cookie and cracker manufacturing	<1	26,256	39,196	141,568
Dry pasta, mixes, and dough manufacturing	<1	4,574	10,662	43,303
Tortilla manufacturing	<1	19,740	25,001	97,003
Roasted nuts and peanut butter manufacturing	<1	10,893	18,302	70,567
Other snack food manufacturing	<1	52,405	122,015	468,560
Coffee and tea manufacturing	<1	1,262	2,440	16,064
Flavoring syrup and concentrate manufacturing	<1	370	3,121	12,235
Mayonnaise, dressing, and sauce manufacturing	<1	234	478	3,542
Spice and extract manufacturing	<1	15	30	764
All other food manufacturing	<1	41,067	62,680	362,579
Bottled and canned soft drinks & water	2	116,342	198,731	921,853
Manufactured ice	<1	7,270	4,238	19,321
Breweries	<1	15,901	38,066	142,509
Wineries	<1	7,424	12,273	50,060
Distilleries	<1	2,966	16,014	42,497
Tobacco product manufacturing	<1	1,138	36,366	77,239
Fiber, yarn, and thread mills	<1	3,415	7,610	21,756
Broadwoven fabric mills	<1	37	100	351
Narrow fabric mills and schiffli machine embroidery	<1	421	528	1,645
Nonwoven fabric mills	<1	1,566	5,000	13,769
Knit fabric mills	<1	141	249	675
Textile and fabric finishing mills	<1	295	526	1,870
Fabric coating mills	<1	3,806	7,190	16,542
Carpet and rug mills	<1	6,984	20,462	65,874
Curtain and linen mills	<1	1,555	2,712	8,548
Textile bag and canvas mills	<1	4,438	6,685	16,001
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4,052	6,176	17,474
Hosiery and sock mills	<1	316	599	1,438

Appendix

Other apparel knitting mills	<1	274	513	1,233
Cut and sew apparel contractors	<1	3,310	3,482	12,147
Mens and boys cut and sew apparel manufacturing	<1	469	689	2,544
Womens and girls cut and sew apparel manufacturing	<1	184	340	1,605
Other cut and sew apparel manufacturing	<1	469	693	3,253
Apparel accessories and other apparel manufacturing	<1	583	764	3,844
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	1,604	1,609	7,033
Other leather and allied product manufacturing	<1	489	487	1,739
Sawmills	<1	4,545	5,312	28,675
Wood preservation	<1	576	860	5,245
Veneer and plywood manufacturing	<1	505	588	2,466
Engineered wood member and truss manufacturing	<1	15,992	18,278	63,891
Reconstituted wood product manufacturing	<1	1,050	1,493	7,683
Wood windows and door manufacturing	<1	46,767	51,855	161,992
Cut stock, resawing lumber, and planing	<1	1,108	1,305	4,732
Other millwork, including flooring	<1	11,083	12,777	39,093
Wood container and pallet manufacturing	<1	21,388	23,272	72,550
Manufactured home (mobile home) manufacturing	<1	198	213	564
Prefabricated wood building manufacturing	<1	6,164	6,787	23,407
All other miscellaneous wood product manufacturing	<1	15,140	16,807	63,510
Pulp mills	0	0	0	0
Paper mills	<1	8,152	12,928	62,010
Paperboard mills	<1	1,200	2,015	9,494
Paperboard container manufacturing	<1	53,588	69,734	335,155
Paper bag and coated and treated paper manufacturing	<1	34,858	50,415	197,457
Stationery product manufacturing	<1	6,723	8,772	42,319
Sanitary paper product manufacturing	<1	54,804	107,086	451,612
All other converted paper product manufacturing	<1	4,929	6,235	21,490

Appendix

Printing	7	384,411	539,473	1,180,436
Support activities for printing	<1	45,299	61,252	101,950
Petroleum refineries	<1	984	15,047	105,390
Asphalt paving mixture and block manufacturing	<1	3,306	7,268	31,431
Asphalt shingle and coating materials manufacturing	<1	2,019	14,028	29,601
Petroleum lubricating oil and grease manufacturing	<1	1,510	9,291	24,515
All other petroleum and coal products manufacturing	<1	136	1,045	2,097
Petrochemical manufacturing	<1	65	216	4,408
Industrial gas manufacturing	<1	78,969	91,426	243,413
Synthetic dye and pigment manufacturing	<1	7,324	8,527	47,133
Other basic inorganic chemical manufacturing	<1	13,870	17,073	105,012
Other basic organic chemical manufacturing	<1	37,270	47,351	562,100
Plastics material and resin manufacturing	<1	6,640	7,862	98,885
Synthetic rubber manufacturing	<1	1,420	1,646	16,389
Artificial and synthetic fibers and filaments manufacturing	<1	1,043	1,198	10,202
Nitrogenous fertilizer manufacturing	<1	19,183	25,068	145,619
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	6,425	7,713	44,537
Pesticide and other agricultural chemical manufacturing	<1	13,315	20,588	214,861
Medicinal and botanical manufacturing	<1	5,443	5,537	33,359
Pharmaceutical preparation manufacturing	<1	44,335	70,328	482,222
In-vitro diagnostic substance manufacturing	<1	7,371	7,709	24,805
Biological product (except diagnostic) manufacturing	<1	1,386	1,631	5,618
Paint and coating manufacturing	<1	11,133	12,866	82,174
Adhesive manufacturing	<1	4,418	4,775	29,534
Soap and other detergent manufacturing	<1	16,581	24,199	190,948
Polish and other sanitation good manufacturing	<1	3,309	3,606	14,818
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	12,910	18,310	119,002
Printing ink manufacturing	<1	1,030	1,063	4,339

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	576	659	3,240
Photographic film and chemical manufacturing	<1	51,072	63,346	322,319
Other miscellaneous chemical product manufacturing	<1	8,542	9,519	53,128
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7,771	16,426	61,933
Unlaminated plastics profile shape manufacturing	<1	7,064	21,572	66,098
Plastics pipe and pipe fitting manufacturing	<1	7,473	29,280	70,005
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,296	13,086	29,805
Polystyrene foam product manufacturing	<1	18,041	39,114	128,542
Urethane and other foam product (except polystyrene) manufacturing	<1	6,677	13,658	41,998
Plastics bottle manufacturing	<1	9,969	19,976	72,856
Other plastics product manufacturing	2	129,915	231,251	698,083
Tire manufacturing	<1	5,727	10,776	45,659
Rubber and plastics hoses and belting manufacturing	<1	86	158	497
Other rubber product manufacturing	<1	21,672	36,540	107,345
Pottery, ceramics, and plumbing fixture manufacturing	<1	4,046	6,188	12,938
Brick, tile, and other structural clay product manufacturing	<1	2,543	4,786	9,779
Flat glass manufacturing	<1	54	125	281
Other pressed and blown glass and glassware manufacturing	<1	19,209	36,825	95,915
Glass container manufacturing	<1	51	89	218
Glass product manufacturing made of purchased glass	<1	34,384	64,103	155,443
Cement manufacturing	<1	12,390	33,729	91,672
Ready-mix concrete manufacturing	<1	60,139	111,257	339,902
Concrete block and brick manufacturing	<1	16,225	32,366	77,163
Concrete pipe manufacturing	<1	1,324	2,452	6,317
Other concrete product manufacturing	<1	15,564	23,281	57,831
Lime manufacturing	<1	3,289	8,826	22,092
Gypsum product manufacturing	<1	9,070	27,273	64,638

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Abrasive product manufacturing	<1	5,646	17,426	26,691
Cut stone and stone product manufacturing	<1	17,572	21,703	49,987
Ground or treated mineral and earth manufacturing	<1	4,335	13,252	35,798
Mineral wool manufacturing	<1	2,751	7,277	20,430
Miscellaneous nonmetallic mineral products manufacturing	<1	2,691	8,665	20,137
Iron and steel mills and ferroalloy manufacturing	<1	8,847	14,727	122,492
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,731	7,124	37,137
Rolled steel shape manufacturing	<1	7,281	13,215	81,759
Steel wire drawing	<1	2,061	2,763	16,025
Alumina refining and primary aluminum production	<1	10,815	15,109	120,782
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	1	128,814	225,159	1,352,920
Other aluminum rolling, drawing and extruding	<1	61,649	79,998	420,854
Nonferrous metal (exc aluminum) smelting and refining	<1	11,251	38,305	157,838
Copper rolling, drawing, extruding and alloying	<1	2,190	3,035	32,587
Nonferrous metal, except copper and aluminum, shaping	<1	1,241	1,442	5,696
Secondary processing of other nonferrous metals	<1	232	358	2,364
Ferrous metal foundries	<1	8,750	11,725	33,177
Nonferrous metal foundries	<1	15,987	21,282	64,614
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	22,258	27,928	86,982
Iron and steel forging	<1	1,051	1,684	7,661
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	2,513	5,735	19,106
Handtool manufacturing	<1	1,095	1,733	4,900
Prefabricated metal buildings and components manufacturing	<1	10,165	13,665	33,933
Fabricated structural metal manufacturing	<1	34,542	50,093	181,899
Plate work manufacturing	<1	10,134	11,516	35,784
Metal window and door manufacturing	<1	36,457	48,462	136,115
Sheet metal work manufacturing	<1	47,920	62,150	171,717

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Ornamental and architectural metal work manufacturing	<1	26,916	34,561	106,354
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	569	725	2,255
Metal cans manufacturing	3	318,228	692,245	2,999,581
Metal barrels, drums and pails manufacturing	<1	15,997	19,874	68,803
Hardware manufacturing	<1	1,752	2,665	8,865
Spring and wire product manufacturing	<1	9,812	13,327	47,135
Machine shops	2	138,530	167,335	361,556
Turned product and screw, nut, and bolt manufacturing	<1	15,881	22,343	62,568
Metal heat treating	<1	5,367	7,560	21,499
Metal coating and nonprecious engraving	<1	16,110	26,658	81,287
Electroplating, anodizing, and coloring metal	<1	11,230	12,940	31,199
Valve and fittings, other than plumbing, manufacturing	<1	33,587	50,195	130,927
Plumbing fixture fitting and trim manufacturing	<1	14,461	34,517	86,136
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	7,948	15,631	35,329
Ammunition, except for small arms, manufacturing	<1	163	216	548
Small arms, ordnance, and accessories manufacturing	<1	53,493	90,767	170,999
Fabricated pipe and pipe fitting manufacturing	<1	603	760	2,361
Other fabricated metal manufacturing	<1	48,199	62,317	184,681
Farm machinery and equipment manufacturing	<1	755	1,111	5,394
Lawn and garden equipment manufacturing	<1	5,541	8,250	42,607
Construction machinery manufacturing	<1	4,901	8,535	21,706
Mining machinery and equipment manufacturing	<1	146	196	625
Oil and gas field machinery and equipment manufacturing	<1	62	85	281
Semiconductor machinery manufacturing	<1	7,318	8,100	25,336
Food product machinery manufacturing	<1	18	20	76

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Sawmill, woodworking, and paper machinery	<1	114	125	465
Printing machinery and equipment manufacturing	<1	201	217	744
All other industrial machinery manufacturing	<1	398	465	1,543
Optical instrument and lens manufacturing	<1	384	484	1,398
Photographic and photocopying equipment manufacturing	<1	334	395	1,057
Other commercial service industry machinery manufacturing	<1	2,036	2,830	10,954
Air purification and ventilation equipment manufacturing	<1	1,922	2,364	7,033
Heating equipment (except warm air furnaces) manufacturing	<1	1,361	1,769	6,508
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	13,788	20,701	83,429
Industrial mold manufacturing	<1	1,924	2,105	4,236
Special tool, die, jig, and fixture manufacturing	<1	535	625	1,312
Cutting tool and machine tool accessory manufacturing	<1	2,490	2,696	7,631
Machine tool manufacturing	<1	3,171	3,669	12,781
Rolling mill and other metalworking machinery manufacturing	<1	208	231	552
Turbine and turbine generator set units manufacturing	<1	47	56	270
Speed changer, industrial high-speed drive, and gear manufacturing	<1	282	368	1,338
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	315	531	3,157
Pump and pumping equipment manufacturing	<1	267	388	1,479
Air and gas compressor manufacturing	<1	33	51	216
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	100	109	396
Overhead cranes, hoists, and monorail systems manufacturing	<1	22	33	157
Industrial truck, trailer, and stacker manufacturing	<1	214	299	1,410

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Power-driven handtool manufacturing	<1	737	1,388	2,509
Welding and soldering equipment manufacturing	<1	162	204	862
Packaging machinery manufacturing	<1	70	87	293
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	711	874	1,377
Fluid power pump and motor manufacturing	<1	2,223	2,918	5,445
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	661	753	2,408
Electronic computer manufacturing	<1	2,367	4,886	20,654
Computer storage device manufacturing	<1	164	402	1,420
Computer terminals and other computer peripheral equipment manufacturing	<1	46,563	80,318	201,529
Telephone apparatus manufacturing	<1	161	251	807
Broadcast and wireless communications equipment manufacturing	<1	678	1,050	3,111
Other communications equipment manufacturing	<1	2,522	4,145	11,238
Audio and video equipment manufacturing	<1	688	1,191	4,912
Printed circuit assembly (electronic assembly) manufacturing	<1	6,520	11,416	36,409
Bare printed circuit board manufacturing	<1	3,795	5,041	14,743
Semiconductor and related device manufacturing	<1	126,880	212,847	534,105
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,771	2,541	7,309
Electronic connector manufacturing	<1	29,019	44,230	123,529
Other electronic component manufacturing	<1	5,311	7,112	15,963
Electromedical and electrotherapeutic apparatus manufacturing	<1	492	946	2,570
Search, detection, and navigation instruments manufacturing	<1	745	1,279	2,681
Automatic environmental control manufacturing	<1	5,540	7,728	27,033

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Industrial process variable instruments manufacturing	<1	1,952	3,113	8,765
Totalizing fluid meter and counting device manufacturing	<1	3,313	6,875	10,417
Electricity and signal testing instruments manufacturing	<1	1,758	2,786	8,294
Analytical laboratory instrument manufacturing	2	317,900	538,842	999,397
Irradiation apparatus manufacturing	<1	277	528	775
Watch, clock, and other measuring and controlling device manufacturing	<1	226	421	1,316
Blank magnetic and optical recording media manufacturing	<1	1,882	5,400	15,305
Software and other prerecorded and record reproducing	<1	742	1,102	3,507
Electric lamp bulb and part manufacturing	<1	641	1,444	3,169
Lighting fixture manufacturing	<1	11,296	18,477	49,891
Small electrical appliance manufacturing	<1	861	2,301	7,471
Household cooking appliance manufacturing	<1	298	745	2,442
Household refrigerator and home freezer manufacturing	<1	321	836	2,630
Household laundry equipment manufacturing	<1	731	1,426	6,053
Other major household appliance manufacturing	<1	136	379	1,107
Power, distribution, and specialty transformer manufacturing	<1	363	597	1,483
Motor and generator manufacturing	<1	2,180	4,183	11,414
Switchgear and switchboard apparatus manufacturing	<1	1,505	2,934	7,764
Relay and industrial control manufacturing	<1	2,000	2,958	8,200
Storage battery manufacturing	<1	5,699	8,986	24,567
Primary battery manufacturing	<1	15,993	29,164	67,551
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1,231	2,074	6,744
Wiring device manufacturing	<1	6,079	13,318	31,308
Carbon and graphite product manufacturing	<1	12,297	22,562	56,025
All other miscellaneous electrical equipment and component manufacturing	<1	10,943	13,024	30,980
Automobile manufacturing	<1	1,572	13,083	27,175

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	4,044	21,377	49,056
Motor vehicle body manufacturing	<1	525	1,045	3,443
Truck trailer manufacturing	<1	72	133	478
Motor home manufacturing	<1	52,929	128,583	343,883
Travel trailer and camper manufacturing	<1	8,388	10,659	44,540
Motor vehicle gasoline engine and engine parts manufacturing	<1	6,619	15,923	52,623
Motor vehicle electrical and electronic equipment manufacturing	<1	14,392	26,188	93,402
Motor vehicle transmission and power train parts manufacturing	<1	5,971	14,578	52,885
Motor vehicle seating and interior trim manufacturing	<1	2,470	3,813	15,685
Motor vehicle metal stamping	<1	575	965	4,404
Other motor vehicle parts manufacturing	1	79,648	163,938	591,630
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	9,316	25,129	71,788
Aircraft manufacturing	<1	30,702	61,694	211,555
Aircraft engine and engine parts manufacturing	<1	87,988	220,117	391,529
Other aircraft parts and auxiliary equipment manufacturing	4	420,276	644,644	1,443,606
Guided missile and space vehicle manufacturing	<1	10,516	18,337	41,694
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	24,221	43,683	80,558
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	201	257	696
Boat building	<1	1,838	2,606	12,581
Motorcycle, bicycle, and parts manufacturing	<1	1,048	3,684	10,644
Military armored vehicle, tank, and tank component manufacturing	<1	10,018	22,142	70,346
All other transportation equipment manufacturing	<1	1,468	2,935	13,035
Wood kitchen cabinet and countertop manufacturing	<1	39,929	54,827	130,736
Upholstered household furniture manufacturing	<1	4,199	4,773	16,344

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Nonupholstered wood household furniture manufacturing	<1	23,360	27,766	82,842
Other household nonupholstered furniture manufacturing	<1	2,581	4,072	15,247
Institutional furniture manufacturing	<1	174	192	611
Wood office furniture manufacturing	<1	1,397	1,939	6,042
Custom architectural woodwork and millwork	<1	1,136	1,081	3,525
Office furniture, except wood, manufacturing	<1	42,979	72,661	234,168
Showcase, partition, shelving, and locker manufacturing	<1	1,547	2,229	6,855
Mattress manufacturing	<1	10,740	19,651	71,873
Blind and shade manufacturing	<1	2,727	2,882	10,433
Surgical and medical instrument manufacturing	<1	16,544	28,590	72,059
Surgical appliance and supplies manufacturing	<1	52,378	95,641	221,749
Dental equipment and supplies manufacturing	<1	78	122	334
Ophthalmic goods manufacturing	<1	1,327	2,393	5,490
Dental laboratories	<1	9,153	9,455	17,717
Jewelry and silverware manufacturing	<1	10,606	16,961	47,100
Sporting and athletic goods manufacturing	<1	19,831	26,768	83,891
Doll, toy, and game manufacturing	<1	1,063	1,620	5,261
Office supplies (except paper) manufacturing	<1	3,345	4,692	17,372
Sign manufacturing	<1	24,809	21,661	57,257
Gasket, packing, and sealing device manufacturing	<1	2,783	3,387	9,173
Musical instrument manufacturing	<1	696	747	2,251
Fasteners, buttons, needles, and pins manufacturing	<1	3,880	5,064	18,686
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	3,092	3,827	10,853
All other miscellaneous manufacturing	<1	16,114	21,026	59,525
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	200,037	414,815	953,818
Wholesale - Professional and commercial equipment and supplies	9	1,100,600	1,644,833	2,733,054

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Wholesale - Household appliances and electrical and electronic goods	4	398,505	836,960	1,706,332
Wholesale - Machinery, equipment, and supplies	5	457,183	805,757	1,344,239
Wholesale - Other durable goods merchant wholesalers	11	850,765	1,379,805	2,702,342
Wholesale - Drugs and druggists' sundries	4	560,348	1,385,823	2,877,511
Wholesale - Grocery and related product wholesalers	10	814,961	1,054,541	2,005,532
Wholesale - Petroleum and petroleum products	<1	80,126	1,183,571	1,344,898
Wholesale - Other nondurable goods merchant wholesalers	13	1,060,259	2,151,268	3,977,227
Wholesale - Wholesale electronic markets and agents and brokers	6	711,610	735,111	850,405
Retail - Motor vehicle and parts dealers	12	686,086	1,133,846	1,655,497
Retail - Furniture and home furnishings stores	7	447,482	570,292	837,774
Retail - Electronics and appliance stores	8	483,560	438,546	748,734
Retail - Building material and garden equipment and supplies stores	11	458,400	841,391	1,241,694
Retail - Food and beverage stores	34	1,206,566	1,639,596	2,629,378
Retail - Health and personal care stores	17	784,365	987,297	1,497,595
Retail - Gasoline stores	10	396,865	660,541	1,145,345
Retail - Clothing and clothing accessories stores	16	408,936	702,338	1,457,801
Retail - Sporting goods, hobby, musical instrument and book stores	11	281,039	396,358	647,680
Retail - General merchandise stores	35	1,121,822	1,730,217	2,757,641
Retail - Miscellaneous store retailers	21	654,403	765,174	1,186,345
Retail - Nonstore retailers	25	978,930	2,914,782	4,929,512
Air transportation	9	916,911	2,292,760	3,935,066
Rail transportation	1	174,636	567,815	800,198
Water transportation	<1	-106	-21	62,098
Truck transportation	21	1,312,018	1,657,370	3,254,774
Transit and ground passenger transportation	45	630,003	842,367	1,320,545
Pipeline transportation	<1	137,245	276,502	343,887
Scenic and sightseeing transportation and support activities for transportation	20	1,332,336	1,442,532	2,944,881

Appendix

Couriers and messengers	18	522,053	697,062	1,355,078
Warehousing and storage	21	934,738	1,027,745	1,968,553
Newspaper publishers	2	131,629	225,932	283,062
Periodical publishers	1	82,860	132,583	213,367
Book publishers	<1	33,231	102,197	161,243
Directory, mailing list, and other publishers	<1	23,544	65,663	96,376
Greeting card publishing	<1	458	1,269	1,905
Software publishers	7	783,620	1,804,446	2,027,147
Motion picture and video industries	7	215,826	320,124	1,369,006
Sound recording industries	<1	15,629	64,538	164,401
Radio and television broadcasting	4	1,008,040	1,117,859	2,037,696
Cable and other subscription programming	1	416,339	1,357,731	2,572,209
Wired telecommunications carriers	6	643,061	1,424,794	2,762,054
Wireless telecommunications carriers (except satellite)	2	208,721	1,462,735	3,983,429
Satellite, telecommunications resellers, and all other telecommunications	2	246,901	346,487	964,792
Data processing, hosting, and related services	11	1,063,740	1,903,379	5,229,521
News syndicates, libraries, archives and all other information services	<1	65,056	95,594	205,869
Internet publishing and broadcasting and web search portals	5	717,091	1,346,727	5,775,996
Nondepository credit intermediation and related activities	19	1,947,725	2,357,002	3,951,919
Securities and commodity contracts intermediation and brokerage	34	2,268,871	2,124,287	4,388,037
Monetary authorities and depository credit intermediation	46	4,565,783	10,438,157	18,368,132
Other financial investment activities	18	1,034,099	1,373,780	3,750,870
Direct life insurance carriers	6	566,384	1,017,866	1,540,309
Insurance carriers, except direct life	19	1,536,956	4,398,244	10,391,884
Insurance agencies, brokerages, and related activities	41	3,009,612	4,403,686	11,230,570
Funds, trusts, and other financial vehicles	6	297,262	558,299	2,056,499
Other real estate	238	5,496,811	16,394,634	44,401,759
Tenant-occupied housing	10	231,464	5,406,118	5,858,711

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Owner-occupied dwellings	0	0	16,279,527	20,666,142
Automotive equipment rental and leasing	6	358,706	992,949	1,456,409
General and consumer goods rental except video tapes and discs	5	317,533	423,940	697,742
Video tape and disc rental	1	64,664	104,157	165,208
Commercial and industrial machinery and equipment rental and leasing	5	488,453	1,155,726	1,636,401
Lessors of nonfinancial intangible assets	<1	74,087	1,622,186	1,865,457
Legal services	56	4,581,342	6,477,161	9,634,139
Accounting, tax preparation, bookkeeping, and payroll services	29	1,846,446	2,538,466	3,820,136
Architectural, engineering, and related services	36	2,730,632	3,045,229	5,446,737
Specialized design services	2	147,853	247,341	375,338
Custom computer programming services	10	811,069	855,487	1,250,504
Computer systems design services	12	1,044,177	979,951	1,302,786
Other computer related services, including facilities management	9	702,691	1,046,147	1,987,866
Management consulting services	64	5,164,787	5,378,245	8,862,454
Environmental and other technical consulting services	8	601,514	633,017	976,465
Scientific research and development services	927	86,239,823	121,018,671	221,205,200
Advertising, public relations, and related services	20	1,277,029	1,716,802	3,249,889
Photographic services	1	46,392	120,968	229,528
Veterinary services	4	215,160	274,360	421,782
Marketing research and all other miscellaneous professional, scientific, and technical services	26	1,470,710	2,874,579	5,832,560
Management of companies and enterprises	55	5,336,309	6,194,795	11,214,009
Office administrative services	29	2,034,269	750,299	1,891,776
Facilities support services	4	190,953	280,790	601,272
Employment services	143	6,543,872	9,526,225	13,682,290
Business support services	40	1,715,184	1,406,164	2,601,123
Travel arrangement and reservation services	7	427,347	550,610	1,206,240
Investigation and security services	17	712,877	691,893	1,002,096
Services to buildings	33	1,110,512	1,504,128	2,696,254
Landscape and horticultural services	36	1,411,071	1,706,828	3,032,264

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Other support services	7	363,260	456,605	851,688
Waste management and remediation services	6	548,878	899,180	1,521,115
Elementary and secondary schools	15	633,808	582,363	690,151
Junior colleges, colleges, universities, and professional schools	322	16,240,678	24,275,018	30,873,419
Other educational services	53	2,383,694	2,742,803	4,877,323
Offices of physicians	45	4,679,865	4,932,836	6,965,939
Offices of dentists	14	895,198	1,164,044	1,660,050
Offices of other health practitioners	13	684,949	1,049,500	1,398,049
Outpatient care centers	16	1,194,446	1,108,570	1,862,830
Medical and diagnostic laboratories	5	371,419	564,357	793,941
Home health care services	19	755,990	730,568	976,105
Other ambulatory health care services	5	336,070	381,008	582,339
Hospitals	81	7,006,194	8,231,137	15,464,871
Nursing and community care facilities	24	968,068	1,110,203	1,938,662
Residential mental retardation, mental health, substance abuse and other facilities	11	439,993	483,482	759,517
Individual and family services	38	1,099,176	1,005,478	1,484,104
Child day care services	12	337,377	541,448	714,311
Community food, housing, and other relief services, including rehabilitation services	8	264,809	266,757	589,130
Performing arts companies	4	120,316	195,000	301,105
Commercial Sports Except Racing	12	672,832	624,549	833,863
Racing and Track Operation	<1	26,857	62,527	88,910
Independent artists, writers, and performers	3	107,134	447,433	547,697
Promoters of performing arts and sports and agents for public figures	5	176,633	389,869	636,997
Museums, historical sites, zoos, and parks	2	76,625	105,257	174,914
Amusement parks and arcades	1	23,900	75,214	102,678
Gambling industries (except casino hotels)	6	215,263	449,304	728,902
Other amusement and recreation industries	10	278,843	338,785	597,519
Fitness and recreational sports centers	9	186,416	287,419	491,466
Bowling centers	1	30,192	52,911	85,950

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Hotels and motels, including casino hotels	13	469,759	965,787	1,476,983
Other accommodations	2	83,126	122,852	162,782
Full-service restaurants	84	2,430,836	3,636,769	5,924,937
Limited-service restaurants	76	1,798,255	2,982,312	6,100,309
All other food and drinking places	50	1,484,495	2,211,765	3,310,635
Automotive repair and maintenance, except car washes	30	1,628,762	1,824,902	2,739,052
Car washes	15	793,818	1,204,678	1,838,593
Electronic and precision equipment repair and maintenance	6	452,591	599,264	922,557
Commercial and industrial machinery and equipment repair and maintenance	9	677,927	576,698	913,392
Personal and household goods repair and maintenance	4	207,829	376,344	542,191
Personal care services	20	620,239	517,599	702,833
Death care services	3	102,431	55,204	85,257
Dry-cleaning and laundry services	13	432,592	215,522	315,647
Other personal services	13	458,232	540,794	769,544
Religious organizations	23	1,213,534	514,801	1,932,738
Grantmaking, giving, and social advocacy organizations	11	647,481	1,875,922	2,962,527
Business and professional associations	3	262,765	428,878	761,861
Labor and civic organizations	8	245,508	643,481	1,118,247
Private households	13	262,421	262,381	262,381
Postal service	8	706,250	706,352	752,237
Federal electric utilities	0	0	0	0
Other federal government enterprises	69	1,777,697	1,369,413	11,801,878
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	5,764	-4,681	6,320
Local government electric utilities	3	496,890	1,283,036	2,126,234
Other local government enterprises	19	1,490,810	3,121,616	6,229,944
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	2,229,893	2,677,774	6,126,019

Moon to Mars Campaign

Table 635: Detailed M2M Campaign Impacts by Types of Impact, Arizona

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	432	28,505,013	44,960,850	78,261,751
Oilseed farming	0	0	0	0
Grain farming	<1	3,663	5,959	21,794
Vegetable and melon farming	<1	10,817	20,966	40,745
Fruit farming	<1	5,665	11,838	17,562
Tree nut farming	<1	5,270	11,527	16,849
Greenhouse, nursery, and floriculture production	<1	5,592	8,413	16,472
Tobacco farming	0	0	0	0
Cotton farming	<1	882	1,305	2,505
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	6,496	9,637	19,301
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	11,117	22,888	66,106
Dairy cattle and milk production	<1	9,871	18,524	93,670
Poultry and egg production	<1	214	368	3,887
Animal production, except cattle and poultry and eggs	<1	8,560	25,465	35,287
Forestry, forest products, and timber tract production	<1	481	527	623
Commercial logging	<1	995	1,107	1,642
Commercial fishing	<1	981	1,629	1,746
Commercial hunting and trapping	<1	394	1,165	1,317
Support activities for agriculture and forestry	<1	40,801	41,099	49,464
Oil and gas extraction	<1	1,341	454	68,104

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Coal mining	<1	1,202	2,600	3,851
Copper, nickel, lead, and zinc mining	<1	39,346	122,853	180,498
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,480	1,879	1,979
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	84	162	303
Other metal ore mining	<1	816	1,202	1,934
Stone mining and quarrying	<1	1,663	4,984	8,538
Sand and gravel mining	<1	2,242	4,369	7,467
Other clay, ceramic, refractory minerals mining	<1	382	730	1,180
Potash, soda, and borate mineral mining	<1	644	974	1,211
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	603	1,090	1,646
Other nonmetallic minerals	<1	963	1,813	3,326
Drilling oil and gas wells	<1	2	2	9
Support activities for oil and gas operations	<1	13	13	60
Metal mining services	<1	225	315	3,006
Other nonmetallic minerals services	<1	33	50	301
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	4,444	19,796	47,528
Electric power generation - Nuclear	<1	31,195	81,801	167,188
Electric power generation - Solar	<1	3,678	15,261	28,811
Electric power generation - Wind	<1	208	2,032	3,601
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	127	742	1,922
Electric power generation - All other	<1	1,000	752	1,853
Electric power transmission and distribution	<1	106,124	394,366	835,062
Natural gas distribution	<1	23,552	77,397	166,716
Water, sewage and other systems	<1	10,226	20,496	33,513
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	103,797	184,688	384,547
Maintenance and repair construction of residential structures	<1	36,022	61,294	129,075
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	44	77	164
Dog and cat food manufacturing	<1	1,095	3,476	11,347
Other animal food manufacturing	<1	3,625	7,061	45,837
Flour milling	<1	784	1,552	10,406
Rice milling	0	0	0	0
Malt manufacturing	<1	114	223	1,410
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	438	2,508	20,328
Fats and oils refining and blending	<1	696	1,477	12,630
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	352	562	3,137
Chocolate and confectionery manufacturing from cacao beans	<1	57	91	525
Confectionery manufacturing from purchased chocolate	<1	101	149	1,207
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	673	966	4,172
Canned fruits and vegetables manufacturing	<1	894	1,925	9,456

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Canned specialties	<1	915	2,405	10,607
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	1,921	2,810	23,375
Dry, condensed, and evaporated dairy product manufacturing	<1	2,280	5,908	26,678
Fluid milk manufacturing	<1	11,958	20,131	113,582
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	828	1,214	5,352
Frozen cakes and other pastries manufacturing	<1	6,535	9,271	16,984
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	9,758	12,603	110,009
Meat processed from carcasses	<1	1,173	1,399	7,566
Rendering and meat byproduct processing	<1	528	571	2,995
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	21,817	31,812	78,468
Cookie and cracker manufacturing	<1	3,488	5,519	18,216
Dry pasta, mixes, and dough manufacturing	<1	512	1,205	5,070
Tortilla manufacturing	<1	2,189	2,758	10,641
Roasted nuts and peanut butter manufacturing	<1	1,372	2,412	8,703
Other snack food manufacturing	<1	6,118	14,507	54,261
Coffee and tea manufacturing	<1	159	316	2,035
Flavoring syrup and concentrate manufacturing	<1	51	424	1,658
Mayonnaise, dressing, and sauce manufacturing	<1	31	63	449
Spice and extract manufacturing	<1	3	5	120
All other food manufacturing	<1	5,179	7,933	44,446
Bottled and canned soft drinks & water	<1	12,295	21,580	97,327
Manufactured ice	<1	806	502	2,065
Breweries	<1	2,135	5,356	19,605
Wineries	<1	1,097	1,838	7,190
Distilleries	<1	384	2,139	5,418
Tobacco product manufacturing	<1	157	5,994	11,667
Fiber, yarn, and thread mills	<1	316	782	2,002
Broadwoven fabric mills	<1	3	8	28
Narrow fabric mills and schiffli machine embroidery	<1	52	66	200

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Nonwoven fabric mills	<1	192	652	1,651
Knit fabric mills	<1	16	28	75
Textile and fabric finishing mills	<1	45	81	279
Fabric coating mills	<1	589	1,094	2,409
Carpet and rug mills	<1	798	2,693	7,304
Curtain and linen mills	<1	208	373	1,133
Textile bag and canvas mills	<1	486	746	1,731
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	493	764	2,071
Hosiery and sock mills	<1	33	66	141
Other apparel knitting mills	<1	37	69	159
Cut and sew apparel contractors	<1	383	402	1,363
Mens and boys cut and sew apparel manufacturing	<1	68	101	347
Womens and girls cut and sew apparel manufacturing	<1	30	55	251
Other cut and sew apparel manufacturing	<1	102	150	665
Apparel accessories and other apparel manufacturing	<1	82	107	503
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	190	193	801
Other leather and allied product manufacturing	<1	68	68	235
Sawmills	<1	420	494	2,692
Wood preservation	<1	49	74	456
Veneer and plywood manufacturing	<1	45	52	222
Engineered wood member and truss manufacturing	<1	1,748	1,985	6,916
Reconstituted wood product manufacturing	<1	103	145	736
Wood windows and door manufacturing	<1	4,369	4,878	15,066
Cut stock, resawing lumber, and planing	<1	107	128	459
Other millwork, including flooring	<1	1,159	1,339	3,967
Wood container and pallet manufacturing	<1	2,262	2,492	7,593
Manufactured home (mobile home) manufacturing	<1	17	18	52
Prefabricated wood building manufacturing	<1	569	619	2,170
All other miscellaneous wood product manufacturing	<1	1,820	2,085	7,277
Pulp mills	0	0	0	0

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Paper mills	<1	703	1,036	5,303
Paperboard mills	<1	107	173	848
Paperboard container manufacturing	<1	6,367	8,268	39,465
Paper bag and coated and treated paper manufacturing	<1	3,984	5,497	21,784
Stationery product manufacturing	<1	901	1,151	5,402
Sanitary paper product manufacturing	<1	6,065	11,022	48,908
All other converted paper product manufacturing	<1	509	637	2,282
Printing	<1	44,741	64,003	133,248
Support activities for printing	<1	6,213	8,389	13,734
Petroleum refineries	<1	95	1,415	9,883
Asphalt paving mixture and block manufacturing	<1	365	806	3,379
Asphalt shingle and coating materials manufacturing	<1	207	1,452	2,988
Petroleum lubricating oil and grease manufacturing	<1	73	494	1,275
All other petroleum and coal products manufacturing	<1	10	76	150
Petrochemical manufacturing	<1	6	20	398
Industrial gas manufacturing	<1	8,244	9,763	25,348
Synthetic dye and pigment manufacturing	<1	914	1,099	6,198
Other basic inorganic chemical manufacturing	<1	1,373	1,814	10,733
Other basic organic chemical manufacturing	<1	3,760	4,782	58,452
Plastics material and resin manufacturing	<1	663	795	10,141
Synthetic rubber manufacturing	<1	168	196	1,986
Artificial and synthetic fibers and filaments manufacturing	<1	227	252	2,171
Nitrogenous fertilizer manufacturing	<1	2,256	3,043	16,468
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	606	761	4,293
Pesticide and other agricultural chemical manufacturing	<1	1,228	1,910	20,392
Medicinal and botanical manufacturing	<1	784	836	4,642
Pharmaceutical preparation manufacturing	<1	6,530	10,842	70,700
In-vitro diagnostic substance manufacturing	<1	1,526	1,616	5,196

Appendix

Biological product (except diagnostic) manufacturing	<1	259	325	1,047
Paint and coating manufacturing	<1	1,350	1,623	10,247
Adhesive manufacturing	<1	614	698	4,061
Soap and other detergent manufacturing	<1	2,194	3,574	23,792
Polish and other sanitation good manufacturing	<1	446	509	1,941
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,770	2,643	16,439
Printing ink manufacturing	<1	136	140	574
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	65	77	367
Photographic film and chemical manufacturing	<1	5,197	6,756	33,034
Other miscellaneous chemical product manufacturing	<1	868	1,009	5,683
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	969	2,053	7,565
Unlaminated plastics profile shape manufacturing	<1	743	2,274	6,752
Plastics pipe and pipe fitting manufacturing	<1	911	3,566	8,525
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	537	1,329	3,016
Polystyrene foam product manufacturing	<1	1,836	3,987	13,215
Urethane and other foam product (except polystyrene) manufacturing	<1	727	1,493	4,555
Plastics bottle manufacturing	<1	1,331	2,670	9,414
Other plastics product manufacturing	<1	14,503	26,016	75,862
Tire manufacturing	<1	485	926	4,017
Rubber and plastics hoses and belting manufacturing	<1	8	15	49
Other rubber product manufacturing	<1	2,588	4,356	13,037
Pottery, ceramics, and plumbing fixture manufacturing	<1	413	609	1,335
Brick, tile, and other structural clay product manufacturing	<1	243	444	932
Flat glass manufacturing	<1	6	14	33
Other pressed and blown glass and glassware manufacturing	<1	2,275	4,241	10,991
Glass container manufacturing	<1	6	10	25

Appendix

Glass product manufacturing made of purchased glass	<1	3,461	6,305	15,527
Cement manufacturing	<1	1,272	3,361	9,294
Ready-mix concrete manufacturing	<1	6,106	11,085	34,041
Concrete block and brick manufacturing	<1	1,959	3,742	9,241
Concrete pipe manufacturing	<1	135	245	652
Other concrete product manufacturing	<1	1,521	2,237	5,647
Lime manufacturing	<1	271	736	1,845
Gypsum product manufacturing	<1	1,053	3,063	7,379
Abrasive product manufacturing	<1	719	2,134	3,304
Cut stone and stone product manufacturing	<1	1,795	2,206	5,081
Ground or treated mineral and earth manufacturing	<1	394	1,208	3,251
Mineral wool manufacturing	<1	343	879	2,418
Miscellaneous nonmetallic mineral products manufacturing	<1	342	1,030	2,376
Iron and steel mills and ferroalloy manufacturing	<1	863	1,377	12,177
Iron, steel pipe and tube manufacturing from purchased steel	<1	553	802	4,176
Rolled steel shape manufacturing	<1	602	1,057	7,068
Steel wire drawing	<1	287	376	2,220
Alumina refining and primary aluminum production	<1	198	269	2,132
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,969	3,283	20,942
Other aluminum rolling, drawing and extruding	<1	1,574	1,999	10,545
Nonferrous metal (exc aluminum) smelting and refining	<1	832	2,624	11,415
Copper rolling, drawing, extruding and alloying	<1	219	301	3,096
Nonferrous metal, except copper and aluminum, shaping	<1	130	146	603
Secondary processing of other nonferrous metals	<1	27	35	255
Ferrous metal foundries	<1	1,002	1,316	3,854
Nonferrous metal foundries	<1	2,146	2,763	8,454
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	2,650	3,324	10,178
Iron and steel forging	<1	124	197	890

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	325	758	2,488
Handtool manufacturing	<1	170	269	739
Prefabricated metal buildings and components manufacturing	<1	1,248	1,560	4,097
Fabricated structural metal manufacturing	<1	3,491	4,953	18,121
Plate work manufacturing	<1	1,031	1,175	3,581
Metal window and door manufacturing	<1	4,848	6,369	17,793
Sheet metal work manufacturing	<1	4,682	6,033	16,495
Ornamental and architectural metal work manufacturing	<1	2,940	3,723	11,393
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	83	105	318
Metal cans manufacturing	<1	688	1,400	6,171
Metal barrels, drums and pails manufacturing	<1	314	391	1,335
Hardware manufacturing	<1	200	300	995
Spring and wire product manufacturing	<1	1,544	2,012	7,180
Machine shops	<1	11,474	13,842	29,634
Turned product and screw, nut, and bolt manufacturing	<1	2,314	3,209	8,839
Metal heat treating	<1	682	952	2,708
Metal coating and nonprecious engraving	<1	1,769	2,897	8,869
Electroplating, anodizing, and coloring metal	<1	1,499	1,723	4,147
Valve and fittings, other than plumbing, manufacturing	<1	3,405	5,104	13,342
Plumbing fixture fitting and trim manufacturing	<1	1,723	4,089	10,056
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	1,026	2,032	4,346
Ammunition, except for small arms, manufacturing	<1	18	24	60
Small arms, ordnance, and accessories manufacturing	<1	6,959	11,699	21,126
Fabricated pipe and pipe fitting manufacturing	<1	59	73	233
Other fabricated metal manufacturing	<1	32,627	42,072	123,437
Farm machinery and equipment manufacturing	<1	78	118	553

Appendix

Lawn and garden equipment manufacturing	<1	731	1,139	5,433
Construction machinery manufacturing	<1	392	744	1,755
Mining machinery and equipment manufacturing	<1	11	14	45
Oil and gas field machinery and equipment manufacturing	<1	5	6	21
Semiconductor machinery manufacturing	<1	1,235	1,372	4,208
Food product machinery manufacturing	<1	3	3	11
Sawmill, woodworking, and paper machinery	<1	11	12	45
Printing machinery and equipment manufacturing	<1	28	30	99
All other industrial machinery manufacturing	<1	82	98	321
Optical instrument and lens manufacturing	<1	88	108	325
Photographic and photocopying equipment manufacturing	<1	52	62	163
Other commercial service industry machinery manufacturing	<1	311	443	1,655
Air purification and ventilation equipment manufacturing	<1	234	295	879
Heating equipment (except warm air furnaces) manufacturing	<1	229	314	1,043
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,800	2,790	10,778
Industrial mold manufacturing	<1	251	278	550
Special tool, die, jig, and fixture manufacturing	<1	70	84	171
Cutting tool and machine tool accessory manufacturing	<1	286	313	877
Machine tool manufacturing	<1	266	315	1,104
Rolling mill and other metalworking machinery manufacturing	<1	17	19	45
Turbine and turbine generator set units manufacturing	<1	6	8	33
Speed changer, industrial high-speed drive, and gear manufacturing	<1	37	50	171
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	55	97	494

Appendix

Pump and pumping equipment manufacturing	<1	36	53	198
Air and gas compressor manufacturing	<1	4	6	28
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	9	10	36
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	6	26
Industrial truck, trailer, and stacker manufacturing	<1	23	33	150
Power-driven handtool manufacturing	<1	194	372	617
Welding and soldering equipment manufacturing	<1	24	31	115
Packaging machinery manufacturing	<1	10	13	41
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	74	91	145
Fluid power pump and motor manufacturing	<1	582	779	1,408
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	89	103	318
Electronic computer manufacturing	<1	7	15	69
Computer storage device manufacturing	<1	22	53	188
Computer terminals and other computer peripheral equipment manufacturing	<1	89	148	454
Telephone apparatus manufacturing	<1	15	24	76
Broadcast and wireless communications equipment manufacturing	<1	92	143	417
Other communications equipment manufacturing	<1	330	534	1,485
Audio and video equipment manufacturing	<1	111	192	772
Printed circuit assembly (electronic assembly) manufacturing	<1	932	1,645	5,181
Bare printed circuit board manufacturing	<1	413	547	1,659
Semiconductor and related device manufacturing	<1	23,207	38,626	92,643

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	215	310	880
Electronic connector manufacturing	<1	3,799	5,792	16,339
Other electronic component manufacturing	<1	825	1,105	2,428
Electromedical and electrotherapeutic apparatus manufacturing	<1	69	132	352
Search, detection, and navigation instruments manufacturing	<1	175	297	603
Automatic environmental control manufacturing	<1	907	1,260	4,484
Industrial process variable instruments manufacturing	<1	244	388	1,088
Totalizing fluid meter and counting device manufacturing	<1	342	709	1,074
Electricity and signal testing instruments manufacturing	<1	146	231	683
Analytical laboratory instrument manufacturing	<1	21,456	36,334	65,654
Irradiation apparatus manufacturing	<1	40	76	109
Watch, clock, and other measuring and controlling device manufacturing	<1	33	60	186
Blank magnetic and optical recording media manufacturing	<1	479	1,399	3,349
Software and other prerecorded and record reproducing	<1	92	138	396
Electric lamp bulb and part manufacturing	<1	98	230	484
Lighting fixture manufacturing	<1	2,057	3,281	8,724
Small electrical appliance manufacturing	<1	123	342	1,060
Household cooking appliance manufacturing	<1	32	87	275
Household refrigerator and home freezer manufacturing	<1	35	99	299
Household laundry equipment manufacturing	<1	79	164	679
Other major household appliance manufacturing	<1	19	59	164
Power, distribution, and specialty transformer manufacturing	<1	46	76	186
Motor and generator manufacturing	<1	257	485	1,352
Switchgear and switchboard apparatus manufacturing	<1	188	370	957

Appendix

Relay and industrial control manufacturing	<1	261	393	1,055
Storage battery manufacturing	<1	788	1,208	3,238
Primary battery manufacturing	<1	2,020	4,994	8,372
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	142	238	764
Wiring device manufacturing	<1	1,078	2,393	5,347
Carbon and graphite product manufacturing	<1	1,234	2,312	5,688
All other miscellaneous electrical equipment and component manufacturing	<1	159	194	485
Automobile manufacturing	<1	154	1,256	2,581
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	390	2,043	4,505
Motor vehicle body manufacturing	<1	48	95	320
Truck trailer manufacturing	<1	6	11	40
Motor home manufacturing	<1	4,647	11,392	29,162
Travel trailer and camper manufacturing	<1	712	907	3,774
Motor vehicle gasoline engine and engine parts manufacturing	<1	708	1,651	5,653
Motor vehicle electrical and electronic equipment manufacturing	<1	1,437	2,576	8,565
Motor vehicle transmission and power train parts manufacturing	<1	907	2,170	7,069
Motor vehicle seating and interior trim manufacturing	<1	237	373	1,458
Motor vehicle metal stamping	<1	42	71	318
Other motor vehicle parts manufacturing	<1	8,144	15,415	60,157
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,073	2,884	8,069
Aircraft manufacturing	<1	87	208	646
Aircraft engine and engine parts manufacturing	<1	22,514	43,136	92,446
Other aircraft parts and auxiliary equipment manufacturing	<1	2,130	3,021	6,506
Guided missile and space vehicle manufacturing	<1	3,903	6,206	15,503
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	46	66	149

Appendix

Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	24	31	84
Boat building	<1	175	247	1,199
Motorcycle, bicycle, and parts manufacturing	<1	142	504	1,424
Military armored vehicle, tank, and tank component manufacturing	<1	904	2,012	5,731
All other transportation equipment manufacturing	<1	182	373	1,623
Wood kitchen cabinet and countertop manufacturing	<1	3,764	4,831	11,756
Upholstered household furniture manufacturing	<1	619	705	2,403
Nonupholstered wood household furniture manufacturing	<1	2,502	2,907	8,644
Other household nonupholstered furniture manufacturing	<1	330	511	1,880
Institutional furniture manufacturing	<1	14	15	49
Wood office furniture manufacturing	<1	6	8	25
Custom architectural woodwork and millwork	<1	133	125	400
Office furniture, except wood, manufacturing	<1	66	104	361
Showcase, partition, shelving, and locker manufacturing	<1	121	164	514
Mattress manufacturing	<1	1,255	2,155	8,087
Blind and shade manufacturing	<1	280	293	1,105
Surgical and medical instrument manufacturing	<1	2,019	3,478	8,375
Surgical appliance and supplies manufacturing	<1	7,310	13,654	30,245
Dental equipment and supplies manufacturing	<1	10	16	43
Ophthalmic goods manufacturing	<1	174	323	717
Dental laboratories	<1	1,223	1,265	2,352
Jewelry and silverware manufacturing	<1	1,157	1,865	5,134
Sporting and athletic goods manufacturing	<1	2,211	2,984	8,930
Doll, toy, and game manufacturing	<1	124	199	619
Office supplies (except paper) manufacturing	<1	480	678	2,373
Sign manufacturing	<1	2,190	1,943	5,080
Gasket, packing, and sealing device manufacturing	<1	304	368	980

Appendix

Musical instrument manufacturing	<1	122	136	392
Fasteners, buttons, needles, and pins manufacturing	<1	503	672	2,481
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	241	301	817
All other miscellaneous manufacturing	<1	2,481	3,270	8,968
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	23,250	48,782	111,876
Wholesale - Professional and commercial equipment and supplies	<1	126,652	189,159	312,105
Wholesale - Household appliances and electrical and electronic goods	<1	44,491	93,465	189,558
Wholesale - Machinery, equipment, and supplies	<1	47,620	83,924	139,726
Wholesale - Other durable goods merchant wholesalers	1	87,785	143,060	278,983
Wholesale - Drugs and druggists' sundries	<1	64,739	160,212	326,680
Wholesale - Grocery and related product wholesalers	1	91,115	117,878	223,168
Wholesale - Petroleum and petroleum products	<1	7,595	136,041	151,473
Wholesale - Other nondurable goods merchant wholesalers	1	118,087	248,704	449,022
Wholesale - Wholesale electronic markets and agents and brokers	<1	62,622	64,723	74,636
Retail - Motor vehicle and parts dealers	1	76,082	125,779	182,492
Retail - Furniture and home furnishings stores	<1	50,631	64,540	93,927
Retail - Electronics and appliance stores	<1	54,208	49,887	83,641
Retail - Building material and garden equipment and supplies stores	1	51,279	94,336	138,526
Retail - Food and beverage stores	4	143,562	193,981	307,179
Retail - Health and personal care stores	2	86,942	109,985	166,688
Retail - Gasoline stores	1	45,589	73,623	124,091
Retail - Clothing and clothing accessories stores	2	47,491	80,929	164,791
Retail - Sporting goods, hobby, musical instrument and book stores	1	31,319	44,274	71,449
Retail - General merchandise stores	4	120,947	187,549	298,692

Appendix

Retail - Miscellaneous store retailers	2	74,759	87,294	132,631
Retail - Nonstore retailers	3	107,735	340,599	568,439
Air transportation	1	103,366	265,425	448,426
Rail transportation	<1	21,149	59,301	88,730
Water transportation	<1	-13	-3	7,675
Truck transportation	2	148,155	186,112	364,898
Transit and ground passenger transportation	6	90,922	121,168	182,736
Pipeline transportation	<1	10,353	22,581	28,705
Scenic and sightseeing transportation and support activities for transportation	2	151,210	164,423	338,754
Couriers and messengers	2	61,217	83,472	161,989
Warehousing and storage	2	108,365	119,484	227,269
Newspaper publishers	<1	13,783	23,779	29,356
Periodical publishers	<1	10,712	17,277	26,511
Book publishers	<1	3,408	10,532	16,407
Directory, mailing list, and other publishers	<1	734	2,132	3,105
Greeting card publishing	<1	46	137	195
Software publishers	<1	94,654	220,919	247,348
Motion picture and video industries	<1	27,580	40,668	156,901
Sound recording industries	<1	2,006	8,452	20,244
Radio and television broadcasting	<1	138,456	145,866	216,244
Cable and other subscription programming	<1	81,564	187,292	298,889
Wired telecommunications carriers	<1	70,787	151,963	291,131
Wireless telecommunications carriers (except satellite)	<1	24,691	176,815	470,835
Satellite, telecommunications resellers, and all other telecommunications	<1	25,607	35,179	95,270
Data processing, hosting, and related services	<1	106,229	187,868	482,972
News syndicates, libraries, archives and all other information services	<1	6,765	10,225	20,858
Internet publishing and broadcasting and web search portals	<1	79,408	149,797	561,251
Nondepository credit intermediation and related activities	2	228,705	277,416	449,350
Securities and commodity contracts intermediation and brokerage	3	273,441	251,273	474,896

Appendix

Monetary authorities and depository credit intermediation	5	465,617	1,067,511	1,854,466
Other financial investment activities	2	145,323	188,300	459,239
Direct life insurance carriers	<1	57,192	107,355	158,158
Insurance carriers, except direct life	2	168,790	510,014	1,148,889
Insurance agencies, brokerages, and related activities	3	225,541	342,296	836,818
Funds, trusts, and other financial vehicles	<1	37,382	72,238	228,103
Other real estate	26	702,584	2,013,074	5,101,018
Tenant-occupied housing	1	27,773	667,770	710,288
Owner-occupied dwellings	0	0	1,986,243	2,521,449
Automotive equipment rental and leasing	<1	44,080	103,924	145,966
General and consumer goods rental except video tapes and discs	<1	41,894	52,964	83,291
Video tape and disc rental	<1	7,263	11,580	18,303
Commercial and industrial machinery and equipment rental and leasing	<1	47,843	103,619	143,968
Lessors of nonfinancial intangible assets	<1	8,169	184,252	210,586
Legal services	6	484,113	694,385	1,017,773
Accounting, tax preparation, bookkeeping, and payroll services	3	204,787	289,574	424,190
Architectural, engineering, and related services	3	273,721	309,545	546,183
Specialized design services	<1	15,020	26,054	38,397
Custom computer programming services	<1	78,097	81,688	117,696
Computer systems design services	1	110,507	103,832	136,464
Other computer related services, including facilities management	<1	77,594	114,520	213,229
Management consulting services	7	641,269	671,947	1,077,545
Environmental and other technical consulting services	<1	72,758	77,469	118,021
Scientific research and development services	97	9,645,108	13,419,739	23,904,121
Advertising, public relations, and related services	2	143,962	197,612	358,241
Photographic services	<1	4,863	13,622	24,620
Veterinary services	<1	24,240	31,674	47,633
Marketing research and all other miscellaneous professional, scientific, and technical services	3	149,085	302,291	594,452

Appendix

Management of companies and enterprises	6	592,831	692,256	1,231,126
Office administrative services	4	276,441	109,125	253,359
Facilities support services	<1	21,796	32,239	65,066
Employment services	14	719,733	1,067,347	1,472,938
Business support services	3	131,976	109,977	196,206
Travel arrangement and reservation services	<1	47,298	61,321	133,236
Investigation and security services	2	82,139	80,178	112,709
Services to buildings	4	133,473	183,900	316,086
Landscape and horticultural services	2	93,568	114,167	198,128
Other support services	<1	33,753	42,788	78,095
Waste management and remediation services	<1	60,201	98,523	164,939
Elementary and secondary schools	2	88,227	81,186	95,039
Junior colleges, colleges, universities, and professional schools	62	3,160,736	4,645,714	5,907,872
Other educational services	2	79,144	92,320	157,231
Offices of physicians	5	532,125	563,539	795,487
Offices of dentists	2	103,029	136,029	192,027
Offices of other health practitioners	1	76,910	120,528	159,153
Outpatient care centers	2	139,526	130,363	221,246
Medical and diagnostic laboratories	<1	43,572	67,663	93,815
Home health care services	2	86,637	84,109	113,178
Other ambulatory health care services	<1	39,115	44,736	67,811
Hospitals	10	900,274	1,050,049	1,962,798
Nursing and community care facilities	3	115,102	132,116	226,313
Residential mental retardation, mental health, substance abuse and other facilities	1	57,579	63,399	98,043
Individual and family services	4	133,258	123,049	179,744
Child day care services	1	40,841	66,400	86,174
Community food, housing, and other relief services, including rehabilitation services	<1	34,538	34,915	75,489
Performing arts companies	<1	15,974	25,491	36,733
Commercial Sports Except Racing	1	79,036	71,041	93,697
Racing and Track Operation	<1	3,382	7,890	10,174
Independent artists, writers, and performers	<1	14,148	54,865	65,721

Appendix

Promoters of performing arts and sports and agents for public figures	<1	21,988	47,299	73,169
Museums, historical sites, zoos, and parks	<1	8,903	12,215	19,972
Amusement parks and arcades	<1	3,100	8,752	11,944
Gambling industries (except casino hotels)	<1	26,193	53,280	85,321
Other amusement and recreation industries	1	31,570	36,833	64,269
Fitness and recreational sports centers	1	22,999	33,772	57,082
Bowling centers	<1	3,409	5,802	9,324
Hotels and motels, including casino hotels	2	63,045	127,559	192,746
Other accommodations	<1	11,977	17,586	23,013
Full-service restaurants	9	277,719	420,018	671,459
Limited-service restaurants	8	208,819	348,908	694,960
All other food and drinking places	6	175,973	262,281	384,286
Automotive repair and maintenance, except car washes	3	194,768	210,855	316,271
Car washes	2	92,360	139,460	211,695
Electronic and precision equipment repair and maintenance	<1	45,405	60,626	91,386
Commercial and industrial machinery and equipment repair and maintenance	<1	71,702	59,939	93,713
Personal and household goods repair and maintenance	<1	24,437	43,061	61,856
Personal care services	2	75,356	60,796	82,773
Death care services	<1	13,647	6,386	10,201
Dry-cleaning and laundry services	2	54,811	23,660	35,900
Other personal services	1	53,798	62,800	88,742
Religious organizations	3	149,888	55,215	229,293
Grantmaking, giving, and social advocacy organizations	3	177,211	537,913	828,787
Business and professional associations	<1	29,054	45,113	79,225
Labor and civic organizations	<1	32,355	79,822	141,144
Private households	1	32,534	32,534	32,534
Postal service	<1	80,620	80,645	85,792
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	4,476	3,756	23,992
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	685	-587	593
Local government electric utilities	<1	52,191	127,578	209,414
Other local government enterprises	2	167,645	333,014	662,071
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 636: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arizona

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>246</i>	<i>15,036,337</i>	<i>23,907,467</i>	<i>45,329,914</i>
Oilseed farming	0	0	0	0
Grain farming	<1	2,268	2,865	13,239
Vegetable and melon farming	<1	5,646	10,806	21,241
Fruit farming	<1	2,494	5,265	7,824
Tree nut farming	<1	1,639	3,618	5,353
Greenhouse, nursery, and floriculture production	<1	3,336	5,021	10,163
Tobacco farming	0	0	0	0
Cotton farming	<1	1,225	1,769	3,458
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,991	7,151	14,928
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,989	18,048	56,245

Appendix

Dairy cattle and milk production	<1	3,978	8,426	46,056
Poultry and egg production	<1	171	257	3,304
Animal production, except cattle and poultry and eggs	<1	8,679	19,342	25,468
Forestry, forest products, and timber tract production	<1	230	254	316
Commercial logging	<1	620	688	1,103
Commercial fishing	<1	440	1,212	1,256
Commercial hunting and trapping	<1	142	807	886
Support activities for agriculture and forestry	<1	26,502	26,974	32,398
Oil and gas extraction	<1	1,438	384	57,181
Coal mining	<1	1,609	4,750	6,826
Copper, nickel, lead, and zinc mining	<1	44,178	120,915	190,514
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,076	1,351	1,391
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	137	248	461
Other metal ore mining	<1	657	1,025	1,661
Stone mining and quarrying	<1	849	3,557	5,725
Sand and gravel mining	<1	1,174	2,698	4,682
Other clay, ceramic, refractory minerals mining	<1	278	609	907
Potash, soda, and borate mineral mining	<1	359	590	720
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	291	761	1,175
Other nonmetallic minerals	<1	334	729	1,357
Drilling oil and gas wells	<1	3	3	12
Support activities for oil and gas operations	<1	15	14	60
Metal mining services	<1	395	510	4,411
Other nonmetallic minerals services	<1	36	42	244
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	1,525	7,472	20,115
Electric power generation - Nuclear	<1	14,510	38,398	85,164
Electric power generation - Solar	<1	1,702	7,017	13,697
Electric power generation - Wind	<1	158	1,501	2,858
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	60	320	936
Electric power generation - All other	<1	284	215	654
Electric power transmission and distribution	<1	46,647	180,236	408,571
Natural gas distribution	<1	10,570	33,394	77,775
Water, sewage and other systems	<1	6,315	13,653	24,395
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	57,696	102,421	221,882
Maintenance and repair construction of residential structures	<1	18,919	32,030	70,090
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	24	43	92
Dog and cat food manufacturing	<1	691	2,057	7,156
Other animal food manufacturing	<1	2,228	4,061	28,612
Flour milling	<1	588	1,180	7,848
Rice milling	0	0	0	0
Malt manufacturing	<1	112	215	1,383
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	205	1,188	9,896
Fats and oils refining and blending	<1	264	549	4,965
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	135	217	1,307
Chocolate and confectionery manufacturing from cacao beans	<1	16	25	151
Confectionery manufacturing from purchased chocolate	<1	54	79	690
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	346	503	2,239
Canned fruits and vegetables manufacturing	<1	322	691	3,498
Canned specialties	<1	508	1,422	6,279
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	767	1,124	9,303
Dry, condensed, and evaporated dairy product manufacturing	<1	973	2,479	12,930
Fluid milk manufacturing	<1	5,529	9,106	53,598
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	422	600	2,961
Frozen cakes and other pastries manufacturing	<1	3,107	4,433	8,334
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	6,591	8,396	74,894
Meat processed from carcasses	<1	615	721	4,036
Rendering and meat byproduct processing	<1	273	291	1,598
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	10,616	15,503	38,944
Cookie and cracker manufacturing	<1	1,490	2,214	8,440
Dry pasta, mixes, and dough manufacturing	<1	249	593	2,367
Tortilla manufacturing	<1	1,234	1,584	6,402
Roasted nuts and peanut butter manufacturing	<1	611	1,016	4,043
Other snack food manufacturing	<1	3,286	7,958	30,032
Coffee and tea manufacturing	<1	75	147	958
Flavoring syrup and concentrate manufacturing	<1	21	184	701
Mayonnaise, dressing, and sauce manufacturing	<1	14	28	212
Spice and extract manufacturing	<1	<1	2	44
All other food manufacturing	<1	2,116	3,257	19,340

Appendix

Bottled and canned soft drinks & water	<1	7,398	12,670	59,555
Manufactured ice	<1	445	257	1,240
Breweries	<1	985	2,348	8,838
Wineries	<1	359	600	2,514
Distilleries	<1	195	992	2,711
Tobacco product manufacturing	<1	78	2,196	4,850
Fiber, yarn, and thread mills	<1	212	435	1,378
Broadwoven fabric mills	<1	7	19	70
Narrow fabric mills and schiffli machine embroidery	<1	51	63	204
Nonwoven fabric mills	<1	210	681	1,927
Knit fabric mills	<1	30	53	146
Textile and fabric finishing mills	<1	11	20	72
Fabric coating mills	<1	171	335	806
Carpet and rug mills	<1	404	1,100	3,905
Curtain and linen mills	<1	93	160	533
Textile bag and canvas mills	<1	252	377	934
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	236	358	1,059
Hosiery and sock mills	<1	19	35	92
Other apparel knitting mills	<1	14	27	66
Cut and sew apparel contractors	<1	139	147	528
Mens and boys cut and sew apparel manufacturing	<1	25	36	143
Womens and girls cut and sew apparel manufacturing	<1	8	16	76
Other cut and sew apparel manufacturing	<1	30	44	213
Apparel accessories and other apparel manufacturing	<1	31	40	218
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	136	133	657
Other leather and allied product manufacturing	<1	27	27	100
Sawmills	<1	314	362	1,962
Wood preservation	<1	42	61	366
Veneer and plywood manufacturing	<1	48	55	227
Engineered wood member and truss manufacturing	<1	1,240	1,384	4,907
Reconstituted wood product manufacturing	<1	101	140	694
Wood windows and door manufacturing	<1	3,242	3,596	11,367

Appendix

Cut stock, resawing lumber, and planing	<1	71	85	308
Other millwork, including flooring	<1	712	818	2,567
Wood container and pallet manufacturing	<1	1,376	1,503	4,733
Manufactured home (mobile home) manufacturing	<1	22	23	62
Prefabricated wood building manufacturing	<1	412	453	1,508
All other miscellaneous wood product manufacturing	<1	964	1,070	4,195
Pulp mills	0	0	0	0
Paper mills	<1	591	1,045	4,674
Paperboard mills	<1	133	228	1,039
Paperboard container manufacturing	<1	3,443	4,535	21,984
Paper bag and coated and treated paper manufacturing	<1	2,253	3,352	13,554
Stationery product manufacturing	<1	447	598	2,963
Sanitary paper product manufacturing	<1	4,355	8,582	35,042
All other converted paper product manufacturing	<1	333	427	1,436
Printing	<1	27,686	37,376	87,636
Support activities for printing	<1	2,263	3,020	5,133
Petroleum refineries	<1	72	1,023	7,213
Asphalt paving mixture and block manufacturing	<1	227	494	2,193
Asphalt shingle and coating materials manufacturing	<1	144	972	2,028
Petroleum lubricating oil and grease manufacturing	<1	39	261	711
All other petroleum and coal products manufacturing	<1	12	103	206
Petrochemical manufacturing	<1	15	55	1,188
Industrial gas manufacturing	<1	7,122	8,162	21,350
Synthetic dye and pigment manufacturing	<1	569	644	3,317
Other basic inorganic chemical manufacturing	<1	1,114	1,298	8,001
Other basic organic chemical manufacturing	<1	3,931	4,895	53,047
Plastics material and resin manufacturing	<1	687	784	8,944
Synthetic rubber manufacturing	<1	158	180	1,675
Artificial and synthetic fibers and filaments manufacturing	<1	63	73	618

Appendix

Nitrogenous fertilizer manufacturing	<1	1,050	1,335	8,010
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	377	438	2,574
Pesticide and other agricultural chemical manufacturing	<1	1,197	1,819	18,585
Medicinal and botanical manufacturing	<1	252	254	1,579
Pharmaceutical preparation manufacturing	<1	2,245	3,468	24,721
In-vitro diagnostic substance manufacturing	<1	323	336	1,089
Biological product (except diagnostic) manufacturing	<1	60	70	247
Paint and coating manufacturing	<1	1,721	1,943	12,381
Adhesive manufacturing	<1	360	382	2,476
Soap and other detergent manufacturing	<1	853	1,224	10,684
Polish and other sanitation good manufacturing	<1	168	181	775
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	690	949	6,268
Printing ink manufacturing	<1	171	175	719
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	48	52	273
Photographic film and chemical manufacturing	<1	2,711	3,373	17,281
Other miscellaneous chemical product manufacturing	<1	568	619	3,380
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	513	1,103	4,190
Unlaminated plastics profile shape manufacturing	<1	396	1,231	3,819
Plastics pipe and pipe fitting manufacturing	<1	523	2,102	4,771
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	323	820	1,820
Polystyrene foam product manufacturing	<1	1,223	2,698	8,932
Urethane and other foam product (except polystyrene) manufacturing	<1	420	873	2,725
Plastics bottle manufacturing	<1	545	1,104	4,164
Other plastics product manufacturing	<1	7,565	13,521	41,901

Appendix

Tire manufacturing	<1	377	715	3,091
Rubber and plastics hoses and belting manufacturing	<1	5	10	32
Other rubber product manufacturing	<1	1,162	1,979	5,646
Pottery, ceramics, and plumbing fixture manufacturing	<1	240	371	767
Brick, tile, and other structural clay product manufacturing	<1	168	321	635
Flat glass manufacturing	<1	3	8	19
Other pressed and blown glass and glassware manufacturing	<1	1,166	2,304	5,856
Glass container manufacturing	<1	3	5	13
Glass product manufacturing made of purchased glass	<1	2,049	3,893	9,296
Cement manufacturing	<1	848	2,398	6,385
Ready-mix concrete manufacturing	<1	4,143	7,798	23,563
Concrete block and brick manufacturing	<1	993	2,041	4,789
Concrete pipe manufacturing	<1	88	168	415
Other concrete product manufacturing	<1	1,095	1,671	4,091
Lime manufacturing	<1	314	835	2,075
Gypsum product manufacturing	<1	519	1,659	3,779
Abrasive product manufacturing	<1	378	1,243	1,866
Cut stone and stone product manufacturing	<1	1,133	1,402	3,237
Ground or treated mineral and earth manufacturing	<1	326	1,038	2,731
Mineral wool manufacturing	<1	155	421	1,163
Miscellaneous nonmetallic mineral products manufacturing	<1	160	556	1,277
Iron and steel mills and ferroalloy manufacturing	<1	1,236	2,341	17,350
Iron, steel pipe and tube manufacturing from purchased steel	<1	954	1,582	7,823
Rolled steel shape manufacturing	<1	1,661	3,283	18,104
Steel wire drawing	<1	138	207	1,103
Alumina refining and primary aluminum production	<1	8,445	12,781	91,804
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	54,113	105,729	561,660
Other aluminum rolling, drawing and extruding	<1	35,618	50,745	248,338

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	1,748	6,716	25,028
Copper rolling, drawing, extruding and alloying	<1	369	533	5,772
Nonferrous metal, except copper and aluminum, shaping	<1	192	229	883
Secondary processing of other nonferrous metals	<1	18	35	200
Ferrous metal foundries	<1	566	858	2,257
Nonferrous metal foundries	<1	777	1,080	3,237
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	1,182	1,492	4,749
Iron and steel forging	<1	54	88	397
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	128	293	1,004
Handtool manufacturing	<1	52	83	239
Prefabricated metal buildings and components manufacturing	<1	618	856	2,116
Fabricated structural metal manufacturing	<1	2,177	3,201	11,767
Plate work manufacturing	<1	763	865	2,706
Metal window and door manufacturing	<1	2,462	3,306	9,454
Sheet metal work manufacturing	<1	3,503	4,581	12,926
Ornamental and architectural metal work manufacturing	<1	1,747	2,266	7,193
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	39	49	156
Metal cans manufacturing	2	159,230	352,874	1,521,745
Metal barrels, drums and pails manufacturing	<1	11,990	14,896	54,440
Hardware manufacturing	<1	95	147	498
Spring and wire product manufacturing	<1	421	575	2,030
Machine shops	<1	6,159	7,490	16,528
Turned product and screw, nut, and bolt manufacturing	<1	1,291	1,829	5,185
Metal heat treating	<1	426	603	1,711
Metal coating and nonprecious engraving	<1	2,515	4,191	12,711
Electroplating, anodizing, and coloring metal	<1	770	889	2,150
Valve and fittings, other than plumbing, manufacturing	<1	1,843	2,762	7,368

Appendix

Plumbing fixture fitting and trim manufacturing	<1	828	1,978	5,024
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	556	1,070	2,503
Ammunition, except for small arms, manufacturing	<1	18	24	61
Small arms, ordnance, and accessories manufacturing	<1	3,086	5,210	10,351
Fabricated pipe and pipe fitting manufacturing	<1	44	55	171
Other fabricated metal manufacturing	<1	1,025	1,345	4,031
Farm machinery and equipment manufacturing	<1	32	49	227
Lawn and garden equipment manufacturing	<1	249	361	1,953
Construction machinery manufacturing	<1	376	639	1,687
Mining machinery and equipment manufacturing	<1	13	17	54
Oil and gas field machinery and equipment manufacturing	<1	7	9	28
Semiconductor machinery manufacturing	<1	273	301	971
Food product machinery manufacturing	<1	1	1	5
Sawmill, woodworking, and paper machinery	<1	5	6	23
Printing machinery and equipment manufacturing	<1	12	12	44
All other industrial machinery manufacturing	<1	47	54	182
Optical instrument and lens manufacturing	<1	63	77	249
Photographic and photocopying equipment manufacturing	<1	13	16	42
Other commercial service industry machinery manufacturing	<1	150	198	770
Air purification and ventilation equipment manufacturing	<1	121	142	438
Heating equipment (except warm air furnaces) manufacturing	<1	95	122	467
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,020	1,472	6,266
Industrial mold manufacturing	<1	92	100	207
Special tool, die, jig, and fixture manufacturing	<1	27	31	67

Appendix

Cutting tool and machine tool accessory manufacturing	<1	158	170	488
Machine tool manufacturing	<1	84	95	342
Rolling mill and other metalworking machinery manufacturing	<1	9	10	23
Turbine and turbine generator set units manufacturing	<1	2	2	12
Speed changer, industrial high-speed drive, and gear manufacturing	<1	19	23	92
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	20	32	213
Pump and pumping equipment manufacturing	<1	16	22	89
Air and gas compressor manufacturing	<1	4	5	22
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	7	8	28
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	5	23
Industrial truck, trailer, and stacker manufacturing	<1	17	23	111
Power-driven handtool manufacturing	<1	35	65	122
Welding and soldering equipment manufacturing	<1	10	12	53
Packaging machinery manufacturing	<1	4	5	19
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	35	42	66
Fluid power pump and motor manufacturing	<1	73	94	182
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	38	43	143
Electronic computer manufacturing	<1	27	54	225
Computer storage device manufacturing	<1	6	16	55
Computer terminals and other computer peripheral equipment manufacturing	<1	6,374	10,537	28,919
Telephone apparatus manufacturing	<1	21	36	103

Appendix

Broadcast and wireless communications equipment manufacturing	<1	31	49	149
Other communications equipment manufacturing	<1	170	297	746
Audio and video equipment manufacturing	<1	31	53	224
Printed circuit assembly (electronic assembly) manufacturing	<1	468	873	2,729
Bare printed circuit board manufacturing	<1	214	289	788
Semiconductor and related device manufacturing	<1	8,121	14,666	38,321
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	105	152	450
Electronic connector manufacturing	<1	1,085	1,702	4,818
Other electronic component manufacturing	<1	288	398	869
Electromedical and electrotherapeutic apparatus manufacturing	<1	23	45	124
Search, detection, and navigation instruments manufacturing	<1	40	69	145
Automatic environmental control manufacturing	<1	215	303	1,102
Industrial process variable instruments manufacturing	<1	106	172	482
Totalizing fluid meter and counting device manufacturing	<1	274	626	903
Electricity and signal testing instruments manufacturing	<1	269	432	1,253
Analytical laboratory instrument manufacturing	<1	64,825	112,760	198,755
Irradiation apparatus manufacturing	<1	13	25	37
Watch, clock, and other measuring and controlling device manufacturing	<1	9	17	54
Blank magnetic and optical recording media manufacturing	<1	70	201	588
Software and other prerecorded and record reproducing	<1	38	56	191
Electric lamp bulb and part manufacturing	<1	38	79	188
Lighting fixture manufacturing	<1	456	735	2,029
Small electrical appliance manufacturing	<1	45	116	414

Appendix

Household cooking appliance manufacturing	<1	16	38	130
Household refrigerator and home freezer manufacturing	<1	18	43	141
Household laundry equipment manufacturing	<1	41	76	329
Other major household appliance manufacturing	<1	8	21	62
Power, distribution, and specialty transformer manufacturing	<1	20	32	85
Motor and generator manufacturing	<1	178	323	910
Switchgear and switchboard apparatus manufacturing	<1	97	179	500
Relay and industrial control manufacturing	<1	146	214	602
Storage battery manufacturing	<1	291	458	1,282
Primary battery manufacturing	<1	940	1,264	3,846
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	239	392	1,312
Wiring device manufacturing	<1	356	758	1,870
Carbon and graphite product manufacturing	<1	627	1,102	2,734
All other miscellaneous electrical equipment and component manufacturing	<1	80	98	243
Automobile manufacturing	<1	98	861	1,763
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	309	1,790	3,922
Motor vehicle body manufacturing	<1	39	81	253
Truck trailer manufacturing	<1	6	13	42
Motor home manufacturing	<1	5,524	15,623	38,510
Travel trailer and camper manufacturing	<1	585	769	3,132
Motor vehicle gasoline engine and engine parts manufacturing	<1	366	947	2,997
Motor vehicle electrical and electronic equipment manufacturing	<1	964	1,949	7,198
Motor vehicle transmission and power train parts manufacturing	<1	273	693	2,694
Motor vehicle seating and interior trim manufacturing	<1	229	383	1,480
Motor vehicle metal stamping	<1	38	68	317
Other motor vehicle parts manufacturing	<1	5,697	13,198	43,180

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	548	1,555	4,451
Aircraft manufacturing	<1	70	174	520
Aircraft engine and engine parts manufacturing	<1	490	1,031	2,371
Other aircraft parts and auxiliary equipment manufacturing	<1	223	334	747
Guided missile and space vehicle manufacturing	<1	1,600	2,584	6,618
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	6	9	20
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	13	17	46
Boat building	<1	141	198	989
Motorcycle, bicycle, and parts manufacturing	<1	49	169	498
Military armored vehicle, tank, and tank component manufacturing	<1	606	1,337	4,764
All other transportation equipment manufacturing	<1	88	168	784
Wood kitchen cabinet and countertop manufacturing	<1	2,496	3,531	8,481
Upholstered household furniture manufacturing	<1	225	255	879
Nonupholstered wood household furniture manufacturing	<1	1,287	1,544	4,648
Other household nonupholstered furniture manufacturing	<1	145	227	884
Institutional furniture manufacturing	<1	16	17	56
Wood office furniture manufacturing	<1	18	25	79
Custom architectural woodwork and millwork	<1	65	62	208
Office furniture, except wood, manufacturing	<1	458	773	2,586
Showcase, partition, shelving, and locker manufacturing	<1	73	109	341
Mattress manufacturing	<1	675	1,192	4,580
Blind and shade manufacturing	<1	159	168	631
Surgical and medical instrument manufacturing	<1	843	1,419	3,757
Surgical appliance and supplies manufacturing	<1	2,745	4,864	11,777
Dental equipment and supplies manufacturing	<1	4	6	17

Appendix

Ophthalmic goods manufacturing	<1	81	140	333
Dental laboratories	<1	495	511	962
Jewelry and silverware manufacturing	<1	674	1,057	2,983
Sporting and athletic goods manufacturing	<1	1,102	1,464	4,811
Doll, toy, and game manufacturing	<1	52	77	259
Office supplies (except paper) manufacturing	<1	235	321	1,283
Sign manufacturing	<1	1,702	1,435	3,893
Gasket, packing, and sealing device manufacturing	<1	180	214	595
Musical instrument manufacturing	<1	31	33	102
Fasteners, buttons, needles, and pins manufacturing	<1	203	260	981
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	266	319	979
All other miscellaneous manufacturing	<1	1,076	1,378	4,075
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	12,202	25,810	58,903
Wholesale - Professional and commercial equipment and supplies	<1	62,304	93,544	156,613
Wholesale - Household appliances and electrical and electronic goods	<1	26,041	56,362	115,090
Wholesale - Machinery, equipment, and supplies	<1	28,966	51,981	86,341
Wholesale - Other durable goods merchant wholesalers	1	78,382	128,504	251,548
Wholesale - Drugs and druggists' sundries	<1	33,513	85,552	177,743
Wholesale - Grocery and related product wholesalers	<1	50,959	66,644	127,355
Wholesale - Petroleum and petroleum products	<1	6,374	78,406	90,185
Wholesale - Other nondurable goods merchant wholesalers	<1	63,453	127,271	238,207
Wholesale - Wholesale electronic markets and agents and brokers	<1	41,366	42,757	49,572
Retail - Motor vehicle and parts dealers	<1	44,096	72,813	106,741
Retail - Furniture and home furnishings stores	<1	27,826	35,454	52,703
Retail - Electronics and appliance stores	<1	30,608	27,529	47,553

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Retail - Building material and garden equipment and supplies stores	<1	28,198	52,002	77,083
Retail - Food and beverage stores	2	72,661	99,469	161,624
Retail - Health and personal care stores	1	49,684	62,556	95,411
Retail - Gasoline stores	<1	25,036	43,117	77,181
Retail - Clothing and clothing accessories stores	1	25,310	43,975	93,470
Retail - Sporting goods, hobby, musical instrument and book stores	<1	17,335	24,542	40,787
Retail - General merchandise stores	2	73,537	113,059	181,034
Retail - Miscellaneous store retailers	1	39,178	46,258	73,644
Retail - Nonstore retailers	2	57,709	171,961	297,420
Air transportation	<1	55,685	134,032	234,959
Rail transportation	<1	13,792	46,454	64,007
Water transportation	<1	-6	-1	3,565
Truck transportation	2	102,813	132,036	265,198
Transit and ground passenger transportation	3	31,275	40,769	67,206
Pipeline transportation	<1	12,035	19,765	25,046
Scenic and sightseeing transportation and support activities for transportation	1	84,554	91,592	186,790
Couriers and messengers	1	33,501	45,373	89,409
Warehousing and storage	2	63,811	70,282	136,466
Newspaper publishers	<1	8,091	13,719	17,322
Periodical publishers	<1	4,203	6,657	11,032
Book publishers	<1	1,833	5,621	8,986
Directory, mailing list, and other publishers	<1	909	2,462	3,619
Greeting card publishing	<1	19	52	79
Software publishers	<1	53,831	122,223	138,200
Motion picture and video industries	<1	11,487	16,572	78,725
Sound recording industries	<1	832	3,191	8,615
Radio and television broadcasting	<1	50,403	57,779	123,016
Cable and other subscription programming	<1	17,983	64,452	131,816
Wired telecommunications carriers	<1	40,760	91,017	179,470
Wireless telecommunications carriers (except satellite)	<1	13,347	90,911	254,164

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	26,467	38,429	113,183
Data processing, hosting, and related services	1	92,233	165,473	499,731
News syndicates, libraries, archives and all other information services	<1	3,047	4,428	10,006
Internet publishing and broadcasting and web search portals	<1	29,420	56,191	312,701
Nondepository credit intermediation and related activities	1	111,534	132,395	229,866
Securities and commodity contracts intermediation and brokerage	2	131,527	125,648	283,946
Monetary authorities and depository credit intermediation	3	288,383	612,311	1,125,247
Other financial investment activities	1	52,588	70,917	211,831
Direct life insurance carriers	<1	36,427	64,623	101,435
Insurance carriers, except direct life	1	95,803	265,916	655,398
Insurance agencies, brokerages, and related activities	2	156,745	232,167	593,535
Funds, trusts, and other financial vehicles	<1	18,118	33,724	127,485
Other real estate	14	308,818	918,084	2,602,010
Tenant-occupied housing	<1	13,981	308,063	339,631
Owner-occupied dwellings	0	0	952,878	1,209,636
Automotive equipment rental and leasing	<1	17,052	53,627	80,539
General and consumer goods rental except video tapes and discs	<1	19,907	27,831	46,926
Video tape and disc rental	<1	3,969	6,489	10,323
Commercial and industrial machinery and equipment rental and leasing	<1	24,023	64,089	92,276
Lessors of nonfinancial intangible assets	<1	4,929	99,832	114,615
Legal services	3	262,953	367,207	551,744
Accounting, tax preparation, bookkeeping, and payroll services	2	107,313	144,035	220,962
Architectural, engineering, and related services	2	144,990	158,846	288,507
Specialized design services	<1	7,481	11,946	19,013
Custom computer programming services	<1	46,154	48,957	73,396

Appendix

Computer systems design services	<1	61,079	56,952	76,678
Other computer related services, including facilities management	<1	35,858	53,169	103,375
Management consulting services	4	282,210	293,664	491,903
Environmental and other technical consulting services	<1	33,956	35,729	55,734
Scientific research and development services	49	4,385,702	6,323,444	11,618,489
Advertising, public relations, and related services	1	72,757	96,013	188,091
Photographic services	<1	2,744	6,752	13,497
Veterinary services	<1	12,931	16,140	25,270
Marketing research and all other miscellaneous professional, scientific, and technical services	2	76,473	145,460	312,518
Management of companies and enterprises	3	293,388	340,739	630,826
Office administrative services	2	107,860	39,981	103,718
Facilities support services	<1	11,595	17,212	38,204
Employment services	9	381,641	553,369	819,184
Business support services	2	92,045	75,008	144,168
Travel arrangement and reservation services	<1	24,204	31,310	69,925
Investigation and security services	1	42,733	41,373	61,478
Services to buildings	2	67,925	91,935	169,608
Landscape and horticultural services	2	59,423	71,941	130,257
Other support services	<1	18,127	22,838	44,098
Waste management and remediation services	<1	32,699	53,523	91,571
Elementary and secondary schools	<1	35,421	32,881	39,247
Junior colleges, colleges, universities, and professional schools	35	1,793,482	2,683,225	3,396,817
Other educational services	<1	35,520	40,996	72,433
Offices of physicians	3	294,523	309,395	438,887
Offices of dentists	<1	54,913	70,590	101,312
Offices of other health practitioners	<1	43,179	64,993	86,882
Outpatient care centers	<1	69,645	64,349	108,754
Medical and diagnostic laboratories	<1	22,850	34,144	48,869
Home health care services	1	48,415	46,627	62,970
Other ambulatory health care services	<1	20,634	23,241	35,760

Appendix

Hospitals	5	401,300	472,488	897,459
Nursing and community care facilities	1	57,245	65,600	116,864
Residential mental retardation, mental health, substance abuse and other facilities	<1	24,370	26,758	42,593
Individual and family services	2	59,747	53,838	80,630
Child day care services	<1	19,936	30,977	41,915
Community food, housing, and other relief services, including rehabilitation services	<1	14,288	14,345	32,349
Performing arts companies	<1	6,407	10,610	17,147
Commercial Sports Except Racing	<1	38,806	37,415	50,598
Racing and Track Operation	<1	1,531	3,726	5,592
Independent artists, writers, and performers	<1	5,449	24,886	30,783
Promoters of performing arts and sports and agents for public figures	<1	9,237	21,157	35,888
Museums, historical sites, zoos, and parks	<1	4,291	5,933	10,061
Amusement parks and arcades	<1	1,342	4,502	6,241
Gambling industries (except casino hotels)	<1	12,162	24,827	41,428
Other amusement and recreation industries	<1	16,091	19,615	35,859
Fitness and recreational sports centers	<1	10,313	16,040	28,338
Bowling centers	<1	1,759	3,119	5,206
Hotels and motels, including casino hotels	<1	25,958	54,377	84,200
Other accommodations	<1	4,226	6,287	8,418
Full-service restaurants	5	148,342	219,253	365,514
Limited-service restaurants	5	109,601	179,677	379,434
All other food and drinking places	3	84,963	126,500	192,386
Automotive repair and maintenance, except car washes	2	96,514	112,330	168,865
Car washes	<1	47,252	72,050	110,678
Electronic and precision equipment repair and maintenance	<1	35,303	46,361	73,221
Commercial and industrial machinery and equipment repair and maintenance	<1	42,139	36,029	58,287
Personal and household goods repair and maintenance	<1	12,227	22,921	33,313
Personal care services	1	35,855	30,769	41,881
Death care services	<1	5,873	3,564	5,375

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Dry-cleaning and laundry services	<1	24,859	14,013	20,023
Other personal services	<1	26,576	31,669	45,562
Religious organizations	1	67,991	32,874	114,065
Grantmaking, giving, and social advocacy organizations	<1	21,833	68,679	106,736
Business and professional associations	<1	14,268	24,016	42,882
Labor and civic organizations	<1	13,303	36,449	62,579
Private households	<1	15,486	15,486	15,486
Postal service	<1	44,699	44,710	47,653
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	59,517	42,576	304,679
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	355	-227	527
Local government electric utilities	<1	28,371	81,116	135,563
Other local government enterprises	1	92,858	208,613	415,351
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	408,890	516,463	1,181,527

Arkansas

NASA

Table 637: Detailed NASA Impacts by Types of Impact, Arkansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	48	2,529,246	4,050,301	8,464,300
Oilseed farming	<1	5,825	9,672	19,738
Grain farming	<1	3,115	-1,703	14,943
Vegetable and melon farming	<1	224	300	804
Fruit farming	<1	77	106	231
Tree nut farming	<1	106	155	348
Greenhouse, nursery, and floriculture production	<1	177	215	550
Tobacco farming	0	0	0	0
Cotton farming	<1	484	574	1,444
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	401	413	1,200
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	825	1,306	4,573
Dairy cattle and milk production	<1	32	46	289
Poultry and egg production	<1	677	852	14,004
Animal production, except cattle and poultry and eggs	<1	4,088	6,441	11,905
Forestry, forest products, and timber tract production	<1	255	247	307
Commercial logging	<1	803	768	1,145
Commercial fishing	<1	-23	256	272
Commercial hunting and trapping	<1	1	36	64
Support activities for agriculture and forestry	<1	3,178	3,083	3,764
Oil and gas extraction	<1	1,809	3,317	17,553
Coal mining	<1	16	50	107
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	176	409	946
Other metal ore mining	<1	37	76	172
Stone mining and quarrying	<1	289	1,112	2,227
Sand and gravel mining	<1	352	912	1,805

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Other clay, ceramic, refractory minerals mining	<1	37	85	175
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	63	155	355
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	43	68	178
Metal mining services	<1	25	51	308
Other nonmetallic minerals services	<1	5	11	60
Electric power generation - Hydroelectric	<1	15	50	100
Electric power generation - Fossil fuel	<1	1,274	5,248	13,205
Electric power generation - Nuclear	<1	3,296	7,933	16,786
Electric power generation - Solar	<1	21	83	175
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	<1	68	168	346
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	6,665	25,512	68,564
Natural gas distribution	<1	2,765	8,300	20,029
Water, sewage and other systems	<1	893	1,999	4,372
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,427	11,646	32,203
Maintenance and repair construction of residential structures	<1	2,821	3,929	10,693
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	13
Dog and cat food manufacturing	<1	351	1,028	4,161
Other animal food manufacturing	<1	411	729	5,238
Flour milling	<1	40	71	429
Rice milling	<1	70	110	761
Malt manufacturing	0	0	0	0
Wet corn milling	<1	594	1,473	8,268
Soybean and other oilseed processing	<1	33	170	1,912
Fats and oils refining and blending	<1	20	40	477
Breakfast cereal manufacturing	<1	92	205	765
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3	5	36
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	5
Frozen fruits, juices and vegetables manufacturing	<1	148	270	1,093
Frozen specialties manufacturing	<1	1,088	1,467	5,812
Canned fruits and vegetables manufacturing	<1	176	327	1,216
Canned specialties	<1	80	179	737
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	48	106	740
Fluid milk manufacturing	<1	257	405	2,890
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	53	73	364
Frozen cakes and other pastries manufacturing	<1	171	259	499

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Poultry processing	<1	4,209	5,273	25,170
Animal, except poultry, slaughtering	<1	148	198	1,475
Meat processed from carcasses	<1	594	613	4,649
Rendering and meat byproduct processing	<1	72	70	370
Seafood product preparation and packaging	<1	7	9	59
Bread and bakery product, except frozen, manufacturing	<1	1,220	1,704	3,918
Cookie and cracker manufacturing	<1	165	229	713
Dry pasta, mixes, and dough manufacturing	<1	55	111	391
Tortilla manufacturing	<1	217	267	834
Roasted nuts and peanut butter manufacturing	<1	178	449	1,441
Other snack food manufacturing	<1	441	977	3,616
Coffee and tea manufacturing	<1	2	3	24
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	37	71	482
Spice and extract manufacturing	<1	18	29	142
All other food manufacturing	<1	26	37	201
Bottled and canned soft drinks & water	<1	642	1,051	4,761
Manufactured ice	<1	36	20	129
Breweries	<1	120	439	1,386
Wineries	<1	68	119	412
Distilleries	<1	260	1,963	3,365
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	14	18	72
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	33	44	195
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	5
Fabric coating mills	<1	7	8	51
Carpet and rug mills	<1	17	24	152
Curtain and linen mills	<1	<1	<1	4
Textile bag and canvas mills	<1	15	16	51
Rope, cordage, twine, tire cord and tire fabric mills	<1	230	285	883
Other textile product mills	<1	35	39	115
Hosiery and sock mills	<1	<1	2	5

Appendix

Other apparel knitting mills	<1	33	38	103
Cut and sew apparel contractors	<1	11	13	33
Mens and boys cut and sew apparel manufacturing	<1	10	12	36
Womens and girls cut and sew apparel manufacturing	<1	<1	1	5
Other cut and sew apparel manufacturing	<1	6	9	32
Apparel accessories and other apparel manufacturing	<1	18	24	74
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	81	90	286
Other leather and allied product manufacturing	<1	8	8	22
Sawmills	<1	775	1,316	4,227
Wood preservation	<1	62	194	649
Veneer and plywood manufacturing	<1	155	267	779
Engineered wood member and truss manufacturing	<1	47	76	239
Reconstituted wood product manufacturing	<1	87	236	726
Wood windows and door manufacturing	<1	462	680	1,943
Cut stock, resawing lumber, and planing	<1	122	238	642
Other millwork, including flooring	<1	336	583	1,637
Wood container and pallet manufacturing	<1	200	289	905
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	7	11	39
All other miscellaneous wood product manufacturing	<1	120	190	557
Pulp mills	0	0	0	0
Paper mills	<1	2,237	5,815	16,739
Paperboard mills	<1	68	196	640
Paperboard container manufacturing	<1	848	1,453	6,019
Paper bag and coated and treated paper manufacturing	<1	514	1,096	3,884
Stationery product manufacturing	<1	67	112	500
Sanitary paper product manufacturing	<1	650	2,416	7,611
All other converted paper product manufacturing	<1	27	44	163

Appendix

Printing	<1	4,176	6,226	13,920
Support activities for printing	<1	21	29	46
Petroleum refineries	<1	761	5,073	33,510
Asphalt paving mixture and block manufacturing	<1	98	149	653
Asphalt shingle and coating materials manufacturing	<1	53	185	556
Petroleum lubricating oil and grease manufacturing	<1	79	269	1,095
All other petroleum and coal products manufacturing	<1	75	285	963
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	27	44	207
Synthetic dye and pigment manufacturing	<1	7	12	66
Other basic inorganic chemical manufacturing	<1	160	277	1,256
Other basic organic chemical manufacturing	<1	371	609	5,685
Plastics material and resin manufacturing	<1	165	237	2,399
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	112	210	916
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	6	10	41
Pesticide and other agricultural chemical manufacturing	<1	127	285	1,921
Medicinal and botanical manufacturing	<1	9	12	62
Pharmaceutical preparation manufacturing	<1	67	170	884
In-vitro diagnostic substance manufacturing	<1	<1	<1	3
Biological product (except diagnostic) manufacturing	<1	4	6	21
Paint and coating manufacturing	<1	39	60	322
Adhesive manufacturing	<1	15	21	103
Soap and other detergent manufacturing	<1	34	85	839
Polish and other sanitation good manufacturing	<1	18	25	123
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	316	724	2,694
Printing ink manufacturing	<1	9	10	49

Appendix

Explosives manufacturing	<1	25	28	105
Custom compounding of purchased resins	<1	26	39	207
Photographic film and chemical manufacturing	<1	75	133	685
Other miscellaneous chemical product manufacturing	<1	61	86	421
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	254	488	1,761
Unlaminated plastics profile shape manufacturing	<1	51	136	361
Plastics pipe and pipe fitting manufacturing	<1	91	310	862
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	53	116	263
Polystyrene foam product manufacturing	<1	142	283	1,058
Urethane and other foam product (except polystyrene) manufacturing	<1	99	184	637
Plastics bottle manufacturing	<1	14	25	110
Other plastics product manufacturing	<1	730	1,209	4,232
Tire manufacturing	<1	914	1,576	5,648
Rubber and plastics hoses and belting manufacturing	<1	158	266	763
Other rubber product manufacturing	<1	600	947	3,022
Pottery, ceramics, and plumbing fixture manufacturing	<1	8	11	24
Brick, tile, and other structural clay product manufacturing	<1	138	246	581
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	4	7	33
Glass container manufacturing	<1	52	86	238
Glass product manufacturing made of purchased glass	<1	38	67	191
Cement manufacturing	<1	60	151	376
Ready-mix concrete manufacturing	<1	613	1,073	3,787
Concrete block and brick manufacturing	<1	124	232	635
Concrete pipe manufacturing	<1	40	69	165
Other concrete product manufacturing	<1	120	173	480
Lime manufacturing	<1	44	109	289
Gypsum product manufacturing	<1	71	193	512

Appendix

Abrasive product manufacturing	<1	37	106	225
Cut stone and stone product manufacturing	<1	76	92	243
Ground or treated mineral and earth manufacturing	<1	40	109	227
Mineral wool manufacturing	<1	11	26	56
Miscellaneous nonmetallic mineral products manufacturing	<1	24	69	157
Iron and steel mills and ferroalloy manufacturing	<1	916	2,253	9,376
Iron, steel pipe and tube manufacturing from purchased steel	<1	157	358	1,389
Rolled steel shape manufacturing	<1	23	74	314
Steel wire drawing	<1	32	63	283
Alumina refining and primary aluminum production	<1	14	27	180
Secondary smelting and alloying of aluminum	<1	3	7	64
Aluminum sheet, plate, and foil manufacturing	<1	48	141	601
Other aluminum rolling, drawing and extruding	<1	9	17	106
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	16	32	280
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	7	18	102
Ferrous metal foundries	<1	23	47	122
Nonferrous metal foundries	<1	98	179	516
Custom roll forming	<1	11	27	113
Crown and closure manufacturing and metal stamping	<1	48	74	207
Iron and steel forging	<1	21	49	145
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	6	29	77
Handtool manufacturing	<1	85	196	390
Prefabricated metal buildings and components manufacturing	<1	85	160	420
Fabricated structural metal manufacturing	<1	324	643	1,634
Plate work manufacturing	<1	46	54	168
Metal window and door manufacturing	<1	163	284	653
Sheet metal work manufacturing	<1	169	283	636

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Ornamental and architectural metal work manufacturing	<1	53	87	253
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	10	15	43
Metal cans manufacturing	<1	7	24	86
Metal barrels, drums and pails manufacturing	<1	19	28	105
Hardware manufacturing	<1	49	105	274
Spring and wire product manufacturing	<1	52	92	258
Machine shops	<1	295	434	914
Turned product and screw, nut, and bolt manufacturing	<1	28	56	157
Metal heat treating	<1	11	22	54
Metal coating and nonprecious engraving	<1	32	84	189
Electroplating, anodizing, and coloring metal	<1	39	50	121
Valve and fittings, other than plumbing, manufacturing	<1	97	216	560
Plumbing fixture fitting and trim manufacturing	<1	65	302	737
Ball and roller bearing manufacturing	<1	25	67	142
Small arms ammunition manufacturing	<1	532	1,710	2,976
Ammunition, except for small arms, manufacturing	<1	30	43	96
Small arms, ordnance, and accessories manufacturing	<1	53	153	321
Fabricated pipe and pipe fitting manufacturing	<1	64	99	278
Other fabricated metal manufacturing	<1	94	157	377
Farm machinery and equipment manufacturing	<1	99	200	713
Lawn and garden equipment manufacturing	<1	50	106	502
Construction machinery manufacturing	<1	35	98	304
Mining machinery and equipment manufacturing	<1	4	8	24
Oil and gas field machinery and equipment manufacturing	<1	25	49	150
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2

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Sawmill, woodworking, and paper machinery	<1	21	25	71
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	2	5
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	26	51	156
Air purification and ventilation equipment manufacturing	<1	19	30	76
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	173	381	1,151
Industrial mold manufacturing	<1	18	22	54
Special tool, die, jig, and fixture manufacturing	<1	10	14	30
Cutting tool and machine tool accessory manufacturing	<1	20	24	54
Machine tool manufacturing	<1	2	3	8
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	2	3	14
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	52	99	257
Other engine equipment manufacturing	<1	21	57	246
Pump and pumping equipment manufacturing	<1	<1	2	6
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	<1	<1	<1	2
Conveyor and conveying equipment manufacturing	<1	29	34	111
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	7	14	44

Appendix

Power-driven handtool manufacturing	<1	<1	3	9
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	2	4
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	12	20	48
Fluid power pump and motor manufacturing	<1	2	4	11
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	11
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	3	6	19
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	2	5	20
Printed circuit assembly (electronic assembly) manufacturing	<1	11	29	111
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	4	10	27
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	16	28	62
Electronic connector manufacturing	<1	273	558	1,201
Other electronic component manufacturing	<1	4	6	32
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	0	0	0	0

Appendix

Industrial process variable instruments manufacturing	<1	1	3	7
Totalizing fluid meter and counting device manufacturing	<1	<1	3	9
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	3	6
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1	2	5
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	36	48	163
Small electrical appliance manufacturing	<1	3	5	19
Household cooking appliance manufacturing	<1	<1	1	5
Household refrigerator and home freezer manufacturing	<1	<1	2	5
Household laundry equipment manufacturing	<1	2	3	14
Other major household appliance manufacturing	<1	<1	<1	2
Power, distribution, and specialty transformer manufacturing	<1	7	9	31
Motor and generator manufacturing	<1	167	251	848
Switchgear and switchboard apparatus manufacturing	<1	4	7	22
Relay and industrial control manufacturing	<1	<1	1	3
Storage battery manufacturing	<1	68	87	270
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	12	16	62
Wiring device manufacturing	<1	107	172	557
Carbon and graphite product manufacturing	<1	88	131	450
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	<1	<1	2	10

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	1	7
Motor vehicle body manufacturing	<1	20	24	113
Truck trailer manufacturing	<1	5	6	30
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	195	208	1,011
Motor vehicle gasoline engine and engine parts manufacturing	<1	158	203	1,502
Motor vehicle electrical and electronic equipment manufacturing	<1	48	65	439
Motor vehicle transmission and power train parts manufacturing	<1	267	353	1,919
Motor vehicle seating and interior trim manufacturing	<1	7	8	79
Motor vehicle metal stamping	<1	152	168	775
Other motor vehicle parts manufacturing	<1	424	495	3,188
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	506	689	3,729
Aircraft manufacturing	<1	2	6	22
Aircraft engine and engine parts manufacturing	<1	8	22	53
Other aircraft parts and auxiliary equipment manufacturing	<1	7	10	30
Guided missile and space vehicle manufacturing	<1	2	3	9
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	9	11	57
Ship building and repairing	<1	4	5	12
Boat building	<1	469	673	2,930
Motorcycle, bicycle, and parts manufacturing	<1	10	39	97
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	122	254	1,088
Wood kitchen cabinet and countertop manufacturing	<1	101	186	431
Upholstered household furniture manufacturing	<1	107	135	478

Appendix

Nonupholstered wood household furniture manufacturing	<1	26	37	93
Other household nonupholstered furniture manufacturing	<1	5	12	31
Institutional furniture manufacturing	<1	10	12	43
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	5	5	15
Office furniture, except wood, manufacturing	<1	2	6	19
Showcase, partition, shelving, and locker manufacturing	<1	24	49	119
Mattress manufacturing	<1	5	16	58
Blind and shade manufacturing	<1	<1	<1	1
Surgical and medical instrument manufacturing	<1	91	89	374
Surgical appliance and supplies manufacturing	<1	25	25	97
Dental equipment and supplies manufacturing	<1	1	1	9
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	39	40	73
Jewelry and silverware manufacturing	<1	48	90	252
Sporting and athletic goods manufacturing	<1	45	46	226
Doll, toy, and game manufacturing	<1	2	2	9
Office supplies (except paper) manufacturing	<1	160	161	620
Sign manufacturing	<1	205	161	469
Gasket, packing, and sealing device manufacturing	<1	10	10	33
Musical instrument manufacturing	<1	9	9	27
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	27	21	121
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	51	55	228
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,828	4,736	9,749
Wholesale - Professional and commercial equipment and supplies	<1	4,822	8,345	14,637

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	2,715	7,537	15,344
Wholesale - Machinery, equipment, and supplies	<1	4,212	9,100	15,904
Wholesale - Other durable goods merchant wholesalers	<1	4,659	8,999	17,146
Wholesale - Drugs and druggists' sundries	<1	4,439	15,196	26,715
Wholesale - Grocery and related product wholesalers	<1	6,845	9,896	16,672
Wholesale - Petroleum and petroleum products	<1	968	17,616	20,338
Wholesale - Other nondurable goods merchant wholesalers	<1	9,975	23,143	41,236
Wholesale - Wholesale electronic markets and agents and brokers	<1	6,092	6,390	7,536
Retail - Motor vehicle and parts dealers	<1	7,093	12,288	18,265
Retail - Furniture and home furnishings stores	<1	3,091	4,348	7,497
Retail - Electronics and appliance stores	<1	3,269	3,740	6,539
Retail - Building material and garden equipment and supplies stores	<1	4,078	8,490	12,739
Retail - Food and beverage stores	<1	9,145	13,183	22,227
Retail - Health and personal care stores	<1	8,390	10,877	16,606
Retail - Gasoline stores	<1	3,140	6,386	12,800
Retail - Clothing and clothing accessories stores	<1	3,573	6,496	14,029
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,808	3,858	6,619
Retail - General merchandise stores	<1	12,541	19,386	31,605
Retail - Miscellaneous store retailers	<1	4,831	6,695	12,121
Retail - Nonstore retailers	<1	2,652	13,006	33,044
Air transportation	<1	1,846	3,499	9,985
Rail transportation	<1	1,426	4,154	6,945
Water transportation	<1	117	183	1,436
Truck transportation	<1	17,727	21,990	42,970
Transit and ground passenger transportation	<1	1,667	2,128	3,206
Pipeline transportation	<1	1,588	3,088	3,978
Scenic and sightseeing transportation and support activities for transportation	<1	13,373	15,303	32,740

Appendix

Couriers and messengers	<1	3,860	5,592	9,458
Warehousing and storage	<1	7,375	8,409	17,010
Newspaper publishers	<1	2,313	4,376	5,767
Periodical publishers	<1	626	1,089	1,894
Book publishers	<1	228	814	1,429
Directory, mailing list, and other publishers	<1	263	848	1,211
Greeting card publishing	<1	124	393	514
Software publishers	<1	1,258	3,109	3,641
Motion picture and video industries	<1	1,141	2,623	7,836
Sound recording industries	<1	56	484	1,061
Radio and television broadcasting	<1	4,002	5,485	22,400
Cable and other subscription programming	<1	7	56	236
Wired telecommunications carriers	<1	4,842	11,431	22,682
Wireless telecommunications carriers (except satellite)	<1	1,432	9,817	25,617
Satellite, telecommunications resellers, and all other telecommunications	<1	846	1,332	3,705
Data processing, hosting, and related services	<1	5,514	11,738	30,844
News syndicates, libraries, archives and all other information services	<1	251	396	1,208
Internet publishing and broadcasting and web search portals	<1	1,199	2,926	14,371
Nondepository credit intermediation and related activities	<1	5,284	6,949	12,465
Securities and commodity contracts intermediation and brokerage	<1	9,436	9,674	27,994
Monetary authorities and depository credit intermediation	<1	38,663	115,068	201,515
Other financial investment activities	<1	2,328	4,397	15,039
Direct life insurance carriers	<1	1,993	4,028	6,351
Insurance carriers, except direct life	<1	12,337	41,894	99,154
Insurance agencies, brokerages, and related activities	<1	12,248	19,683	56,086
Funds, trusts, and other financial vehicles	<1	2,331	2,944	21,250
Other real estate	2	46,045	157,620	411,531
Tenant-occupied housing	<1	4,093	37,563	46,037

Appendix

Owner-occupied dwellings	0	0	140,908	178,877
Automotive equipment rental and leasing	<1	1,281	5,389	8,116
General and consumer goods rental except video tapes and discs	<1	2,480	3,976	7,367
Video tape and disc rental	<1	506	1,019	1,593
Commercial and industrial machinery and equipment rental and leasing	<1	2,054	7,220	10,359
Lessors of nonfinancial intangible assets	<1	8	4,968	6,101
Legal services	<1	40,335	63,470	100,827
Accounting, tax preparation, bookkeeping, and payroll services	<1	14,108	17,953	29,661
Architectural, engineering, and related services	<1	18,047	19,552	38,896
Specialized design services	<1	702	1,046	1,718
Custom computer programming services	<1	3,712	4,087	5,999
Computer systems design services	<1	8,322	7,561	10,443
Other computer related services, including facilities management	<1	6,318	8,506	18,082
Management consulting services	1	79,030	81,396	145,955
Environmental and other technical consulting services	<1	6,538	6,775	10,889
Scientific research and development services	14	877,495	1,180,078	2,717,783
Advertising, public relations, and related services	<1	15,820	21,497	42,496
Photographic services	<1	440	940	2,072
Veterinary services	<1	1,675	2,012	3,449
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,967	18,755	35,907
Management of companies and enterprises	<1	117,826	134,927	206,252
Office administrative services	<1	14,781	7,186	19,644
Facilities support services	<1	1,449	2,226	5,729
Employment services	2	54,714	82,757	141,558
Business support services	<1	12,877	11,191	20,415
Travel arrangement and reservation services	<1	1,025	1,372	3,653
Investigation and security services	<1	5,437	5,442	8,647
Services to buildings	<1	9,481	13,557	27,167
Landscape and horticultural services	<1	5,437	6,911	13,197

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Other support services	<1	2,317	3,021	6,284
Waste management and remediation services	<1	3,791	7,629	14,177
Elementary and secondary schools	<1	4,497	3,854	4,713
Junior colleges, colleges, universities, and professional schools	6	168,774	229,902	347,746
Other educational services	<1	3,473	3,869	7,711
Offices of physicians	<1	54,299	57,100	82,944
Offices of dentists	<1	9,379	12,081	17,472
Offices of other health practitioners	<1	8,117	12,274	16,653
Outpatient care centers	<1	8,393	7,727	13,627
Medical and diagnostic laboratories	<1	2,649	3,968	5,564
Home health care services	<1	7,876	7,562	9,846
Other ambulatory health care services	<1	2,840	3,209	5,352
Hospitals	<1	55,416	64,234	136,108
Nursing and community care facilities	<1	12,083	13,323	25,239
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,077	4,352	7,103
Individual and family services	<1	12,093	10,864	16,659
Child day care services	<1	3,434	5,518	7,547
Community food, housing, and other relief services, including rehabilitation services	<1	2,428	2,395	6,071
Performing arts companies	<1	425	748	1,773
Commercial Sports Except Racing	<1	1,190	745	2,182
Racing and Track Operation	<1	222	588	1,201
Independent artists, writers, and performers	<1	219	987	1,639
Promoters of performing arts and sports and agents for public figures	<1	776	1,881	4,905
Museums, historical sites, zoos, and parks	<1	499	644	1,134
Amusement parks and arcades	<1	132	554	787
Gambling industries (except casino hotels)	<1	981	3,575	6,244
Other amusement and recreation industries	<1	1,501	2,106	4,359
Fitness and recreational sports centers	<1	862	1,560	2,987
Bowling centers	<1	183	377	719

Appendix

Hotels and motels, including casino hotels	<1	702	1,614	2,845
Other accommodations	<1	213	319	457
Full-service restaurants	<1	18,675	28,875	52,695
Limited-service restaurants	<1	12,703	22,007	50,410
All other food and drinking places	<1	11,996	17,766	27,887
Automotive repair and maintenance, except car washes	<1	9,799	13,210	19,678
Car washes	<1	4,693	8,136	12,379
Electronic and precision equipment repair and maintenance	<1	3,477	4,365	7,954
Commercial and industrial machinery and equipment repair and maintenance	<1	6,499	7,238	11,293
Personal and household goods repair and maintenance	<1	1,773	3,691	5,378
Personal care services	<1	4,457	4,427	5,952
Death care services	<1	1,048	905	1,280
Dry-cleaning and laundry services	<1	3,153	2,603	3,434
Other personal services	<1	3,009	3,867	5,748
Religious organizations	<1	11,645	7,303	25,265
Grantmaking, giving, and social advocacy organizations	<1	2,330	8,443	13,092
Business and professional associations	<1	2,864	5,500	9,915
Labor and civic organizations	<1	1,188	3,859	7,319
Private households	<1	1,771	1,771	1,771
Postal service	<1	7,671	7,673	8,221
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	297	-597	464
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	105	136	251
Local government passenger transit	<1	5,395	-468	6,123
Local government electric utilities	<1	795	2,454	4,728
Other local government enterprises	<1	10,279	25,348	51,692
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	308,846	629,996	1,441,259

Moon to Mars Campaign

Table 638: Detailed M2M Campaign Impacts by Types of Impact, Arkansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3	162,867	248,548	510,993
Oilseed farming	<1	387	905	2,075
Grain farming	<1	174	-106	863
Vegetable and melon farming	<1	13	18	48
Fruit farming	<1	5	7	15
Tree nut farming	<1	9	13	29
Greenhouse, nursery, and floriculture production	<1	10	13	32
Tobacco farming	0	0	0	0
Cotton farming	<1	24	29	72
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	21	22	64
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	46	72	249
Dairy cattle and milk production	<1	2	3	15
Poultry and egg production	<1	35	48	716
Animal production, except cattle and poultry and eggs	<1	213	388	727
Forestry, forest products, and timber tract production	<1	19	18	22
Commercial logging	<1	50	48	70
Commercial fishing	<1	-2	15	16
Commercial hunting and trapping	<1	<1	2	4
Support activities for agriculture and forestry	<1	210	202	248
Oil and gas extraction	<1	70	161	861

Appendix

Coal mining	<1	<1	2	5
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	10	24	57
Other metal ore mining	<1	3	5	11
Stone mining and quarrying	<1	22	70	144
Sand and gravel mining	<1	29	67	130
Other clay, ceramic, refractory minerals mining	<1	2	5	11
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	6	15	33
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	3	8
Metal mining services	<1	1	3	19
Other nonmetallic minerals services	<1	<1	<1	4
Electric power generation - Hydroelectric	<1	1	3	7
Electric power generation - Fossil fuel	<1	110	429	1,000
Electric power generation - Nuclear	<1	257	623	1,252
Electric power generation - Solar	<1	1	5	11
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	<1	6	14	29
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	485	1,834	4,691
Natural gas distribution	<1	150	466	1,071
Water, sewage and other systems	<1	36	79	164
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	566	789	2,134
Maintenance and repair construction of residential structures	<1	178	249	665
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	18	56	218
Other animal food manufacturing	<1	26	49	336
Flour milling	<1	2	4	22
Rice milling	<1	5	8	55
Malt manufacturing	0	0	0	0
Wet corn milling	<1	35	90	499
Soybean and other oilseed processing	<1	2	12	131
Fats and oils refining and blending	<1	1	3	30
Breakfast cereal manufacturing	<1	4	9	32
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	2
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	<1
Frozen fruits, juices and vegetables manufacturing	<1	9	17	64
Frozen specialties manufacturing	<1	62	84	327
Canned fruits and vegetables manufacturing	<1	13	24	87

Appendix

Canned specialties	<1	4	9	38
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	3	7	43
Fluid milk manufacturing	<1	13	21	147
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	3	16
Frozen cakes and other pastries manufacturing	<1	9	14	26
Poultry processing	<1	217	281	1,300
Animal, except poultry, slaughtering	<1	6	8	61
Meat processed from carcasses	<1	38	40	297
Rendering and meat byproduct processing	<1	5	5	24
Seafood product preparation and packaging	<1	<1	<1	2
Bread and bakery product, except frozen, manufacturing	<1	63	88	201
Cookie and cracker manufacturing	<1	11	16	46
Dry pasta, mixes, and dough manufacturing	<1	3	6	23
Tortilla manufacturing	<1	12	15	47
Roasted nuts and peanut butter manufacturing	<1	12	31	93
Other snack food manufacturing	<1	27	61	219
Coffee and tea manufacturing	<1	<1	<1	1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	4	26
Spice and extract manufacturing	<1	1	2	9
All other food manufacturing	<1	2	3	13
Bottled and canned soft drinks & water	<1	38	65	285
Manufactured ice	<1	2	1	8
Breweries	<1	5	20	61
Wineries	<1	6	10	33
Distilleries	<1	14	108	177
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	<1	1	4
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	3	4	16
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	<1	<1	<1	4
Carpet and rug mills	<1	1	2	9
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	1	1	3
Rope, cordage, twine, tire cord and tire fabric mills	<1	12	15	46
Other textile product mills	<1	2	3	8
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	3	3	8
Cut and sew apparel contractors	<1	1	1	3
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	3
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	1	2	5
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	5	6	18
Other leather and allied product manufacturing	<1	<1	<1	2
Sawmills	<1	45	77	248
Wood preservation	<1	3	10	35
Veneer and plywood manufacturing	<1	8	14	42
Engineered wood member and truss manufacturing	<1	3	5	17
Reconstituted wood product manufacturing	<1	5	14	43
Wood windows and door manufacturing	<1	29	42	119
Cut stock, resawing lumber, and planing	<1	7	14	38
Other millwork, including flooring	<1	23	40	109
Wood container and pallet manufacturing	<1	12	18	56
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	<1	2
All other miscellaneous wood product manufacturing	<1	9	14	38
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	112	269	827
Paperboard mills	<1	4	10	35
Paperboard container manufacturing	<1	62	105	432
Paper bag and coated and treated paper manufacturing	<1	36	73	262
Stationery product manufacturing	<1	4	7	32
Sanitary paper product manufacturing	<1	40	139	460
All other converted paper product manufacturing	<1	2	3	10
Printing	<1	333	507	1,071
Support activities for printing	<1	2	3	5
Petroleum refineries	<1	44	283	1,859
Asphalt paving mixture and block manufacturing	<1	6	10	41
Asphalt shingle and coating materials manufacturing	<1	3	12	34
Petroleum lubricating oil and grease manufacturing	<1	6	19	74
All other petroleum and coal products manufacturing	<1	4	14	48
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2	3	14
Synthetic dye and pigment manufacturing	<1	<1	1	6
Other basic inorganic chemical manufacturing	<1	11	20	87
Other basic organic chemical manufacturing	<1	24	39	371
Plastics material and resin manufacturing	<1	11	16	164
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	9	18	74
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	3
Pesticide and other agricultural chemical manufacturing	<1	6	14	98
Medicinal and botanical manufacturing	<1	<1	1	5
Pharmaceutical preparation manufacturing	<1	5	14	72
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1

Appendix

Biological product (except diagnostic) manufacturing	<1	<1	<1	2
Paint and coating manufacturing	<1	3	4	23
Adhesive manufacturing	<1	1	2	9
Soap and other detergent manufacturing	<1	3	7	58
Polish and other sanitation good manufacturing	<1	2	2	10
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	25	60	212
Printing ink manufacturing	<1	1	1	5
Explosives manufacturing	<1	2	2	7
Custom compounding of purchased resins	<1	2	3	16
Photographic film and chemical manufacturing	<1	6	10	51
Other miscellaneous chemical product manufacturing	<1	4	6	28
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	20	38	133
Unlaminated plastics profile shape manufacturing	<1	4	11	28
Plastics pipe and pipe fitting manufacturing	<1	8	26	72
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	8	17
Polystyrene foam product manufacturing	<1	9	19	70
Urethane and other foam product (except polystyrene) manufacturing	<1	7	12	43
Plastics bottle manufacturing	<1	1	2	8
Other plastics product manufacturing	<1	50	84	284
Tire manufacturing	<1	46	80	293
Rubber and plastics hoses and belting manufacturing	<1	10	17	49
Other rubber product manufacturing	<1	56	88	285
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	2
Brick, tile, and other structural clay product manufacturing	<1	9	16	39
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	<1	<1	3
Glass container manufacturing	<1	3	5	15

Appendix

Glass product manufacturing made of purchased glass	<1	3	5	14
Cement manufacturing	<1	4	11	27
Ready-mix concrete manufacturing	<1	44	76	269
Concrete block and brick manufacturing	<1	11	19	53
Concrete pipe manufacturing	<1	3	4	11
Other concrete product manufacturing	<1	8	11	32
Lime manufacturing	<1	2	6	15
Gypsum product manufacturing	<1	6	15	40
Abrasive product manufacturing	<1	3	8	17
Cut stone and stone product manufacturing	<1	5	6	16
Ground or treated mineral and earth manufacturing	<1	2	6	13
Mineral wool manufacturing	<1	1	2	5
Miscellaneous nonmetallic mineral products manufacturing	<1	2	6	13
Iron and steel mills and ferroalloy manufacturing	<1	66	157	695
Iron, steel pipe and tube manufacturing from purchased steel	<1	15	32	124
Rolled steel shape manufacturing	<1	2	5	21
Steel wire drawing	<1	3	5	23
Alumina refining and primary aluminum production	<1	1	2	13
Secondary smelting and alloying of aluminum	<1	<1	<1	5
Aluminum sheet, plate, and foil manufacturing	<1	3	8	37
Other aluminum rolling, drawing and extruding	<1	<1	1	9
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1	2	21
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	1	9
Ferrous metal foundries	<1	2	3	9
Nonferrous metal foundries	<1	9	15	45
Custom roll forming	<1	1	2	10
Crown and closure manufacturing and metal stamping	<1	4	7	18
Iron and steel forging	<1	2	5	15

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	<1	2	6
Handtool manufacturing	<1	8	17	33
Prefabricated metal buildings and components manufacturing	<1	8	14	39
Fabricated structural metal manufacturing	<1	25	49	125
Plate work manufacturing	<1	3	3	11
Metal window and door manufacturing	<1	15	27	61
Sheet metal work manufacturing	<1	12	20	45
Ornamental and architectural metal work manufacturing	<1	4	7	19
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	1	2	5
Metal cans manufacturing	<1	<1	2	6
Metal barrels, drums and pails manufacturing	<1	1	2	7
Hardware manufacturing	<1	4	8	22
Spring and wire product manufacturing	<1	7	11	32
Machine shops	<1	22	32	67
Turned product and screw, nut, and bolt manufacturing	<1	3	5	14
Metal heat treating	<1	<1	2	5
Metal coating and nonprecious engraving	<1	3	7	15
Electroplating, anodizing, and coloring metal	<1	4	5	12
Valve and fittings, other than plumbing, manufacturing	<1	8	17	45
Plumbing fixture fitting and trim manufacturing	<1	6	26	62
Ball and roller bearing manufacturing	<1	3	7	14
Small arms ammunition manufacturing	<1	38	123	203
Ammunition, except for small arms, manufacturing	<1	2	3	7
Small arms, ordnance, and accessories manufacturing	<1	4	11	22
Fabricated pipe and pipe fitting manufacturing	<1	4	7	19
Other fabricated metal manufacturing	<1	7	11	26
Farm machinery and equipment manufacturing	<1	8	16	57

Appendix

Lawn and garden equipment manufacturing	<1	5	11	48
Construction machinery manufacturing	<1	2	6	17
Mining machinery and equipment manufacturing	<1	<1	<1	1
Oil and gas field machinery and equipment manufacturing	<1	1	3	8
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	2	2	5
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	3	5	16
Air purification and ventilation equipment manufacturing	<1	2	3	8
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11	25	73
Industrial mold manufacturing	<1	2	2	5
Special tool, die, jig, and fixture manufacturing	<1	<1	1	3
Cutting tool and machine tool accessory manufacturing	<1	2	2	4
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	4	8	21
Other engine equipment manufacturing	<1	3	7	27

Appendix

Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	2	2	7
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	3
Power-driven handtool manufacturing	<1	<1	<1	1
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	1	2	4
Fluid power pump and motor manufacturing	<1	<1	<1	2
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	<1	<1	1
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	<1	1	3	12
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	1	4

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1	3	6
Electronic connector manufacturing	<1	29	60	131
Other electronic component manufacturing	<1	<1	<1	3
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	4	6	19
Small electrical appliance manufacturing	<1	<1	<1	1
Household cooking appliance manufacturing	<1	<1	<1	<1
Household refrigerator and home freezer manufacturing	<1	<1	<1	<1
Household laundry equipment manufacturing	<1	<1	<1	<1
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	13	19	65
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	2

Appendix

Relay and industrial control manufacturing	<1	<1	<1	<1
Storage battery manufacturing	<1	6	8	23
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1	2	6
Wiring device manufacturing	<1	11	18	56
Carbon and graphite product manufacturing	<1	7	11	38
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	<1	<1	<1
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	1	1	6
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	10	11	52
Motor vehicle gasoline engine and engine parts manufacturing	<1	10	12	95
Motor vehicle electrical and electronic equipment manufacturing	<1	3	4	25
Motor vehicle transmission and power train parts manufacturing	<1	27	35	170
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	5
Motor vehicle metal stamping	<1	9	10	44
Other motor vehicle parts manufacturing	<1	27	29	201
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	36	49	258
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	6	12	35
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	9
Guided missile and space vehicle manufacturing	<1	<1	1	4
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	4
Ship building and repairing	<1	<1	<1	1
Boat building	<1	25	35	153
Motorcycle, bicycle, and parts manufacturing	<1	<1	3	7
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	9	19	78
Wood kitchen cabinet and countertop manufacturing	<1	6	11	25
Upholstered household furniture manufacturing	<1	9	11	39
Nonupholstered wood household furniture manufacturing	<1	2	2	6
Other household nonupholstered furniture manufacturing	<1	<1	<1	2
Institutional furniture manufacturing	<1	<1	<1	3
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	<1	<1	1
Showcase, partition, shelving, and locker manufacturing	<1	2	3	8
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	6	6	25
Surgical appliance and supplies manufacturing	<1	2	2	8
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	3	3	5
Jewelry and silverware manufacturing	<1	3	5	15
Sporting and athletic goods manufacturing	<1	3	3	13
Doll, toy, and game manufacturing	<1	<1	<1	<1
Office supplies (except paper) manufacturing	<1	10	10	37
Sign manufacturing	<1	12	10	28
Gasket, packing, and sealing device manufacturing	<1	<1	<1	2

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Musical instrument manufacturing	<1	<1	<1	3
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	2	2	10
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	4	4	17
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	128	335	687
Wholesale - Professional and commercial equipment and supplies	<1	351	608	1,057
Wholesale - Household appliances and electrical and electronic goods	<1	200	552	1,117
Wholesale - Machinery, equipment, and supplies	<1	308	662	1,155
Wholesale - Other durable goods merchant wholesalers	<1	314	608	1,153
Wholesale - Drugs and druggists' sundries	<1	294	1,009	1,742
Wholesale - Grocery and related product wholesalers	<1	378	547	917
Wholesale - Petroleum and petroleum products	<1	54	1,187	1,343
Wholesale - Other nondurable goods merchant wholesalers	<1	641	1,543	2,684
Wholesale - Wholesale electronic markets and agents and brokers	<1	378	396	466
Retail - Motor vehicle and parts dealers	<1	439	761	1,124
Retail - Furniture and home furnishings stores	<1	192	271	463
Retail - Electronics and appliance stores	<1	202	234	402
Retail - Building material and garden equipment and supplies stores	<1	260	541	808
Retail - Food and beverage stores	<1	596	854	1,422
Retail - Health and personal care stores	<1	509	664	1,012
Retail - Gasoline stores	<1	197	389	759
Retail - Clothing and clothing accessories stores	<1	228	411	870
Retail - Sporting goods, hobby, musical instrument and book stores	<1	172	237	402
Retail - General merchandise stores	<1	743	1,155	1,882

Appendix

Retail - Miscellaneous store retailers	<1	304	420	746
Retail - Nonstore retailers	<1	161	838	2,101
Air transportation	<1	120	235	659
Rail transportation	<1	108	271	481
Water transportation	<1	11	17	125
Truck transportation	<1	1,051	1,297	2,536
Transit and ground passenger transportation	<1	138	175	253
Pipeline transportation	<1	60	128	169
Scenic and sightseeing transportation and support activities for transportation	<1	1,100	1,265	2,735
Couriers and messengers	<1	274	407	687
Warehousing and storage	<1	502	574	1,154
Newspaper publishers	<1	160	304	394
Periodical publishers	<1	54	95	157
Book publishers	<1	15	53	92
Directory, mailing list, and other publishers	<1	15	50	71
Greeting card publishing	<1	8	27	33
Software publishers	<1	87	218	255
Motion picture and video industries	<1	85	195	524
Sound recording industries	<1	4	34	69
Radio and television broadcasting	<1	385	500	1,634
Cable and other subscription programming	<1	<1	5	19
Wired telecommunications carriers	<1	315	724	1,418
Wireless telecommunications carriers (except satellite)	<1	98	687	1,745
Satellite, telecommunications resellers, and all other telecommunications	<1	60	93	249
Data processing, hosting, and related services	<1	439	924	2,198
News syndicates, libraries, archives and all other information services	<1	22	35	101
Internet publishing and broadcasting and web search portals	<1	98	240	966
Nondepository credit intermediation and related activities	<1	374	493	854
Securities and commodity contracts intermediation and brokerage	<1	683	687	1,816

Appendix

Monetary authorities and depository credit intermediation	<1	2,538	7,563	13,078
Other financial investment activities	<1	185	341	1,043
Direct life insurance carriers	<1	112	236	362
Insurance carriers, except direct life	<1	797	2,860	6,445
Insurance agencies, brokerages, and related activities	<1	767	1,268	3,493
Funds, trusts, and other financial vehicles	<1	168	217	1,343
Other real estate	<1	3,744	12,280	29,971
Tenant-occupied housing	<1	269	2,538	3,053
Owner-occupied dwellings	0	0	9,412	11,948
Automotive equipment rental and leasing	<1	112	397	573
General and consumer goods rental except video tapes and discs	<1	149	228	404
Video tape and disc rental	<1	31	62	97
Commercial and industrial machinery and equipment rental and leasing	<1	166	529	746
Lessors of nonfinancial intangible assets	<1	<1	405	494
Legal services	<1	3,209	5,116	8,009
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,035	1,357	2,179
Architectural, engineering, and related services	<1	1,486	1,633	3,205
Specialized design services	<1	47	73	116
Custom computer programming services	<1	264	288	415
Computer systems design services	<1	620	564	769
Other computer related services, including facilities management	<1	537	716	1,488
Management consulting services	<1	3,655	3,789	6,608
Environmental and other technical consulting services	<1	569	597	947
Scientific research and development services	1	80,612	107,489	241,234
Advertising, public relations, and related services	<1	1,235	1,713	3,232
Photographic services	<1	29	66	139
Veterinary services	<1	108	133	223
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	925	1,645	3,037

Appendix

Management of companies and enterprises	<1	9,679	11,152	16,739
Office administrative services	<1	1,442	756	1,888
Facilities support services	<1	113	174	416
Employment services	<1	4,433	6,842	11,206
Business support services	<1	864	765	1,339
Travel arrangement and reservation services	<1	72	98	257
Investigation and security services	<1	407	410	631
Services to buildings	<1	706	1,028	1,970
Landscape and horticultural services	<1	362	464	865
Other support services	<1	149	196	397
Waste management and remediation services	<1	260	523	961
Elementary and secondary schools	<1	343	295	356
Junior colleges, colleges, universities, and professional schools	<1	359	488	708
Other educational services	<1	211	237	457
Offices of physicians	<1	3,380	3,571	5,185
Offices of dentists	<1	591	773	1,106
Offices of other health practitioners	<1	499	771	1,038
Outpatient care centers	<1	537	497	886
Medical and diagnostic laboratories	<1	170	260	360
Home health care services	<1	494	476	625
Other ambulatory health care services	<1	180	205	340
Hospitals	<1	3,898	4,486	9,457
Nursing and community care facilities	<1	786	867	1,611
Residential mental retardation, mental health, substance abuse and other facilities	<1	292	312	502
Individual and family services	<1	803	728	1,105
Child day care services	<1	228	371	499
Community food, housing, and other relief services, including rehabilitation services	<1	173	172	426
Performing arts companies	<1	32	56	124
Commercial Sports Except Racing	<1	86	52	151
Racing and Track Operation	<1	15	41	75
Independent artists, writers, and performers	<1	19	78	126

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Promoters of performing arts and sports and agents for public figures	<1	57	135	332
Museums, historical sites, zoos, and parks	<1	32	41	71
Amusement parks and arcades	<1	9	35	50
Gambling industries (except casino hotels)	<1	65	232	400
Other amusement and recreation industries	<1	94	127	260
Fitness and recreational sports centers	<1	59	101	191
Bowling centers	<1	11	23	43
Hotels and motels, including casino hotels	<1	55	124	216
Other accommodations	<1	17	25	36
Full-service restaurants	<1	1,222	1,910	3,415
Limited-service restaurants	<1	824	1,439	3,208
All other food and drinking places	<1	855	1,267	1,944
Automotive repair and maintenance, except car washes	<1	684	887	1,319
Car washes	<1	314	541	818
Electronic and precision equipment repair and maintenance	<1	259	328	586
Commercial and industrial machinery and equipment repair and maintenance	<1	421	462	709
Personal and household goods repair and maintenance	<1	125	253	366
Personal care services	<1	296	285	384
Death care services	<1	76	57	84
Dry-cleaning and laundry services	<1	229	163	223
Other personal services	<1	210	267	393
Religious organizations	<1	787	429	1,641
Grantmaking, giving, and social advocacy organizations	<1	172	584	910
Business and professional associations	<1	209	381	679
Labor and civic organizations	<1	86	262	506
Private households	<1	120	120	120
Postal service	<1	506	506	542
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	22	-50	34
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	4	5	8
Local government passenger transit	<1	363	-33	322
Local government electric utilities	<1	50	147	279
Other local government enterprises	<1	598	1,401	2,845
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 639: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Arkansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>18</i>	<i>944,425</i>	<i>1,475,284</i>	<i>3,174,691</i>
Oilseed farming	<1	2,163	2,956	5,674
Grain farming	<1	1,206	-568	5,850
Vegetable and melon farming	<1	75	101	274
Fruit farming	<1	24	34	75
Tree nut farming	<1	30	45	100
Greenhouse, nursery, and floriculture production	<1	65	80	210
Tobacco farming	0	0	0	0
Cotton farming	<1	392	469	1,182
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	181	186	559
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	454	769	2,667

Appendix

Dairy cattle and milk production	<1	8	12	81
Poultry and egg production	<1	306	371	6,632
Animal production, except cattle and poultry and eggs	<1	2,617	3,510	6,241
Forestry, forest products, and timber tract production	<1	103	101	128
Commercial logging	<1	338	324	501
Commercial fishing	<1	-7	120	125
Commercial hunting and trapping	<1	<1	17	29
Support activities for agriculture and forestry	<1	1,660	1,629	1,981
Oil and gas extraction	<1	839	1,508	7,866
Coal mining	<1	11	43	92
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	210	455	1,065
Other metal ore mining	<1	22	47	106
Stone mining and quarrying	<1	123	569	1,092
Sand and gravel mining	<1	163	451	887
Other clay, ceramic, refractory minerals mining	<1	19	47	91
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	25	69	160
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	22	34	86
Metal mining services	<1	19	41	230
Other nonmetallic minerals services	<1	4	7	36
Electric power generation - Hydroelectric	<1	6	20	39
Electric power generation - Fossil fuel	<1	472	2,026	5,294
Electric power generation - Nuclear	<1	1,544	3,781	8,252
Electric power generation - Solar	<1	7	29	62
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	<1	21	55	112

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,735	10,770	29,498
Natural gas distribution	<1	713	2,125	5,271
Water, sewage and other systems	<1	232	529	1,190
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,479	4,845	13,631
Maintenance and repair construction of residential structures	<1	1,023	1,425	3,962
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	5
Dog and cat food manufacturing	<1	125	361	1,511
Other animal food manufacturing	<1	185	321	2,395
Flour milling	<1	16	29	173
Rice milling	<1	25	41	277
Malt manufacturing	0	0	0	0
Wet corn milling	<1	235	565	3,255
Soybean and other oilseed processing	<1	12	63	703
Fats and oils refining and blending	<1	6	12	137
Breakfast cereal manufacturing	<1	25	55	212
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	1	10
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	2
Frozen fruits, juices and vegetables manufacturing	<1	44	80	344
Frozen specialties manufacturing	<1	337	462	1,870
Canned fruits and vegetables manufacturing	<1	48	90	338
Canned specialties	<1	25	57	236
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	<1	14	31	229
Fluid milk manufacturing	<1	70	111	804
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	13	18	92
Frozen cakes and other pastries manufacturing	<1	50	76	149
Poultry processing	<1	2,117	2,601	12,669
Animal, except poultry, slaughtering	<1	48	64	481
Meat processed from carcasses	<1	221	227	1,765
Rendering and meat byproduct processing	<1	27	26	144
Seafood product preparation and packaging	<1	2	2	17
Bread and bakery product, except frozen, manufacturing	<1	356	500	1,158
Cookie and cracker manufacturing	<1	51	70	231
Dry pasta, mixes, and dough manufacturing	<1	17	34	118
Tortilla manufacturing	<1	77	95	310
Roasted nuts and peanut butter manufacturing	<1	57	142	472
Other snack food manufacturing	<1	158	364	1,324
Coffee and tea manufacturing	<1	<1	<1	6
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	10	19	134
Spice and extract manufacturing	<1	5	7	36
All other food manufacturing	<1	8	11	62

Appendix

Bottled and canned soft drinks & water	<1	253	415	1,903
Manufactured ice	<1	14	7	51
Breweries	<1	29	105	334
Wineries	<1	21	36	129
Distilleries	<1	84	594	1,056
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	6	8	33
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	12	17	76
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	<1	2	2	15
Carpet and rug mills	<1	6	8	54
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	6	6	21
Rope, cordage, twine, tire cord and tire fabric mills	<1	153	183	595
Other textile product mills	<1	13	14	45
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	11	13	36
Cut and sew apparel contractors	<1	4	5	13
Mens and boys cut and sew apparel manufacturing	<1	3	4	12
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	1	2	7
Apparel accessories and other apparel manufacturing	<1	6	8	25
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	41	44	160
Other leather and allied product manufacturing	<1	3	3	8
Sawmills	<1	360	600	1,941
Wood preservation	<1	30	93	306
Veneer and plywood manufacturing	<1	88	150	432
Engineered wood member and truss manufacturing	<1	22	36	113
Reconstituted wood product manufacturing	<1	51	133	391
Wood windows and door manufacturing	<1	234	345	998

Appendix

Cut stock, resawing lumber, and planing	<1	54	106	286
Other millwork, including flooring	<1	153	265	762
Wood container and pallet manufacturing	<1	83	120	379
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	3	5	16
All other miscellaneous wood product manufacturing	<1	50	80	243
Pulp mills	0	0	0	0
Paper mills	<1	999	2,896	7,772
Paperboard mills	<1	53	154	489
Paperboard container manufacturing	<1	334	581	2,423
Paper bag and coated and treated paper manufacturing	<1	217	477	1,744
Stationery product manufacturing	<1	24	41	187
Sanitary paper product manufacturing	<1	312	1,168	3,562
All other converted paper product manufacturing	<1	13	22	80
Printing	<1	1,558	2,235	5,355
Support activities for printing	<1	8	10	17
Petroleum refineries	<1	353	2,194	14,590
Asphalt paving mixture and block manufacturing	<1	44	66	296
Asphalt shingle and coating materials manufacturing	<1	24	83	246
Petroleum lubricating oil and grease manufacturing	<1	32	109	457
All other petroleum and coal products manufacturing	<1	47	194	655
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	19	31	145
Synthetic dye and pigment manufacturing	<1	4	6	30
Other basic inorganic chemical manufacturing	<1	90	148	670
Other basic organic chemical manufacturing	<1	263	423	3,613
Plastics material and resin manufacturing	<1	110	153	1,419
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	46	84	381
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	4	18
Pesticide and other agricultural chemical manufacturing	<1	68	149	982
Medicinal and botanical manufacturing	<1	3	4	19
Pharmaceutical preparation manufacturing	<1	21	51	277
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	1	2	7
Paint and coating manufacturing	<1	14	20	110
Adhesive manufacturing	<1	5	7	37
Soap and other detergent manufacturing	<1	11	26	290
Polish and other sanitation good manufacturing	<1	7	9	45
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	106	236	893
Printing ink manufacturing	<1	4	4	20
Explosives manufacturing	<1	24	25	101
Custom compounding of purchased resins	<1	10	14	78
Photographic film and chemical manufacturing	<1	34	59	308
Other miscellaneous chemical product manufacturing	<1	27	37	176
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	102	200	727
Unlaminated plastics profile shape manufacturing	<1	22	59	160
Plastics pipe and pipe fitting manufacturing	<1	43	149	395
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	23	52	114
Polystyrene foam product manufacturing	<1	69	138	522
Urethane and other foam product (except polystyrene) manufacturing	<1	42	79	276
Plastics bottle manufacturing	<1	5	9	40
Other plastics product manufacturing	<1	279	464	1,670

Appendix

Tire manufacturing	<1	388	675	2,454
Rubber and plastics hoses and belting manufacturing	<1	74	126	364
Other rubber product manufacturing	<1	301	480	1,486
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	4	9
Brick, tile, and other structural clay product manufacturing	<1	64	116	265
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	2	4	18
Glass container manufacturing	<1	18	30	81
Glass product manufacturing made of purchased glass	<1	18	33	92
Cement manufacturing	<1	30	78	190
Ready-mix concrete manufacturing	<1	306	545	1,899
Concrete block and brick manufacturing	<1	56	108	291
Concrete pipe manufacturing	<1	18	32	73
Other concrete product manufacturing	<1	62	91	250
Lime manufacturing	<1	28	70	183
Gypsum product manufacturing	<1	31	91	229
Abrasive product manufacturing	<1	16	48	99
Cut stone and stone product manufacturing	<1	36	44	115
Ground or treated mineral and earth manufacturing	<1	19	55	111
Mineral wool manufacturing	<1	5	12	25
Miscellaneous nonmetallic mineral products manufacturing	<1	12	38	84
Iron and steel mills and ferroalloy manufacturing	<1	341	938	3,513
Iron, steel pipe and tube manufacturing from purchased steel	<1	65	165	607
Rolled steel shape manufacturing	<1	11	40	150
Steel wire drawing	<1	13	28	116
Alumina refining and primary aluminum production	<1	6	13	80
Secondary smelting and alloying of aluminum	<1	2	4	36
Aluminum sheet, plate, and foil manufacturing	<1	17	54	208
Other aluminum rolling, drawing and extruding	<1	3	6	38

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	8	17	151
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	2	8	41
Ferrous metal foundries	<1	10	23	57
Nonferrous metal foundries	<1	35	66	189
Custom roll forming	<1	3	8	33
Crown and closure manufacturing and metal stamping	<1	17	27	78
Iron and steel forging	<1	7	17	51
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	2	9	24
Handtool manufacturing	<1	24	54	111
Prefabricated metal buildings and components manufacturing	<1	40	78	202
Fabricated structural metal manufacturing	<1	171	345	886
Plate work manufacturing	<1	23	27	85
Metal window and door manufacturing	<1	77	136	317
Sheet metal work manufacturing	<1	71	120	275
Ornamental and architectural metal work manufacturing	<1	25	41	124
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	4	7	19
Metal cans manufacturing	<1	2	8	28
Metal barrels, drums and pails manufacturing	<1	7	10	39
Hardware manufacturing	<1	19	41	110
Spring and wire product manufacturing	<1	15	27	75
Machine shops	<1	103	152	327
Turned product and screw, nut, and bolt manufacturing	<1	10	20	56
Metal heat treating	<1	5	9	22
Metal coating and nonprecious engraving	<1	14	37	82
Electroplating, anodizing, and coloring metal	<1	16	21	52
Valve and fittings, other than plumbing, manufacturing	<1	44	97	257

Appendix

Plumbing fixture fitting and trim manufacturing	<1	25	117	292
Ball and roller bearing manufacturing	<1	8	22	46
Small arms ammunition manufacturing	<1	229	722	1,297
Ammunition, except for small arms, manufacturing	<1	21	30	69
Small arms, ordnance, and accessories manufacturing	<1	19	53	117
Fabricated pipe and pipe fitting manufacturing	<1	34	53	148
Other fabricated metal manufacturing	<1	34	57	139
Farm machinery and equipment manufacturing	<1	35	74	241
Lawn and garden equipment manufacturing	<1	19	39	192
Construction machinery manufacturing	<1	23	63	202
Mining machinery and equipment manufacturing	<1	3	6	17
Oil and gas field machinery and equipment manufacturing	<1	20	39	111
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	9	10	30
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	1	4
Optical instrument and lens manufacturing	<1	<1	1	3
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	14	26	78
Air purification and ventilation equipment manufacturing	<1	9	14	36
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	65	139	442
Industrial mold manufacturing	<1	7	9	22
Special tool, die, jig, and fixture manufacturing	<1	3	5	10

Appendix

Cutting tool and machine tool accessory manufacturing	<1	7	8	20
Machine tool manufacturing	<1	<1	<1	3
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	1	5
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	33	60	163
Other engine equipment manufacturing	<1	9	22	110
Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	<1	<1	<1	1
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	12	14	48
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	4	7	24
Power-driven handtool manufacturing	<1	<1	<1	3
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	4	7	16
Fluid power pump and motor manufacturing	<1	<1	<1	3
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	1	4
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	2	6	17

Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	1	5
Printed circuit assembly (electronic assembly) manufacturing	<1	3	9	36
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	1	3	9
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5	8	19
Electronic connector manufacturing	<1	93	196	428
Other electronic component manufacturing	<1	<1	2	8
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	1	3
Totalizing fluid meter and counting device manufacturing	<1	<1	2	5
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	2
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	10	13	44
Small electrical appliance manufacturing	<1	<1	2	6

Appendix

Household cooking appliance manufacturing	<1	<1	<1	2
Household refrigerator and home freezer manufacturing	<1	<1	<1	2
Household laundry equipment manufacturing	<1	<1	1	5
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	<1	3	4	15
Motor and generator manufacturing	<1	93	133	466
Switchgear and switchboard apparatus manufacturing	<1	2	3	11
Relay and industrial control manufacturing	<1	<1	<1	1
Storage battery manufacturing	<1	24	31	99
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	5	7	28
Wiring device manufacturing	<1	30	46	157
Carbon and graphite product manufacturing	<1	42	60	206
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	<1	<1	4
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	4
Motor vehicle body manufacturing	<1	9	11	51
Truck trailer manufacturing	<1	3	4	17
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	88	97	460
Motor vehicle gasoline engine and engine parts manufacturing	<1	57	79	564
Motor vehicle electrical and electronic equipment manufacturing	<1	22	33	229
Motor vehicle transmission and power train parts manufacturing	<1	90	124	721
Motor vehicle seating and interior trim manufacturing	<1	4	5	49
Motor vehicle metal stamping	<1	90	105	497
Other motor vehicle parts manufacturing	<1	194	254	1,487

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	209	300	1,632
Aircraft manufacturing	<1	1	3	10
Aircraft engine and engine parts manufacturing	<1	1	2	7
Other aircraft parts and auxiliary equipment manufacturing	<1	1	2	7
Guided missile and space vehicle manufacturing	<1	4	7	20
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	4	6	29
Ship building and repairing	<1	2	3	7
Boat building	<1	217	307	1,384
Motorcycle, bicycle, and parts manufacturing	<1	3	11	27
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	47	92	415
Wood kitchen cabinet and countertop manufacturing	<1	43	81	190
Upholstered household furniture manufacturing	<1	35	43	155
Nonupholstered wood household furniture manufacturing	<1	9	13	33
Other household nonupholstered furniture manufacturing	<1	2	4	11
Institutional furniture manufacturing	<1	7	9	31
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	2	2	6
Office furniture, except wood, manufacturing	<1	<1	2	5
Showcase, partition, shelving, and locker manufacturing	<1	10	20	49
Mattress manufacturing	<1	2	6	22
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	32	30	132
Surgical appliance and supplies manufacturing	<1	8	8	33
Dental equipment and supplies manufacturing	<1	<1	<1	3

Appendix

Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	13	13	24
Jewelry and silverware manufacturing	<1	18	34	96
Sporting and athletic goods manufacturing	<1	15	15	76
Doll, toy, and game manufacturing	<1	<1	<1	3
Office supplies (except paper) manufacturing	<1	52	51	212
Sign manufacturing	<1	104	78	236
Gasket, packing, and sealing device manufacturing	<1	4	4	15
Musical instrument manufacturing	<1	2	2	7
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	9	7	43
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	22	23	98
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	732	1,936	3,955
Wholesale - Professional and commercial equipment and supplies	<1	1,831	3,184	5,626
Wholesale - Household appliances and electrical and electronic goods	<1	1,081	3,092	6,305
Wholesale - Machinery, equipment, and supplies	<1	1,938	4,268	7,423
Wholesale - Other durable goods merchant wholesalers	<1	1,814	3,538	6,752
Wholesale - Drugs and druggists' sundries	<1	1,677	5,926	10,425
Wholesale - Grocery and related product wholesalers	<1	2,296	3,353	5,674
Wholesale - Petroleum and petroleum products	<1	486	7,424	8,669
Wholesale - Other nondurable goods merchant wholesalers	<1	3,655	8,387	15,126
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,389	2,507	2,965
Retail - Motor vehicle and parts dealers	<1	2,807	4,860	7,252
Retail - Furniture and home furnishings stores	<1	1,161	1,632	2,848
Retail - Electronics and appliance stores	<1	1,249	1,417	2,507

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Retail - Building material and garden equipment and supplies stores	<1	1,566	3,276	4,935
Retail - Food and beverage stores	<1	3,310	4,807	8,212
Retail - Health and personal care stores	<1	3,192	4,139	6,354
Retail - Gasoline stores	<1	1,204	2,532	5,238
Retail - Clothing and clothing accessories stores	<1	1,326	2,438	5,393
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,045	1,442	2,516
Retail - General merchandise stores	<1	4,960	7,643	12,518
Retail - Miscellaneous store retailers	<1	1,746	2,444	4,542
Retail - Nonstore retailers	<1	947	4,646	12,070
Air transportation	<1	698	1,274	3,715
Rail transportation	<1	710	2,129	3,491
Water transportation	<1	54	84	671
Truck transportation	<1	8,704	10,992	22,002
Transit and ground passenger transportation	<1	516	641	1,016
Pipeline transportation	<1	774	1,233	1,618
Scenic and sightseeing transportation and support activities for transportation	<1	7,206	8,249	17,598
Couriers and messengers	<1	1,617	2,379	4,081
Warehousing and storage	<1	3,073	3,510	7,198
Newspaper publishers	<1	1,057	1,974	2,619
Periodical publishers	<1	237	407	729
Book publishers	<1	91	324	575
Directory, mailing list, and other publishers	<1	116	362	517
Greeting card publishing	<1	34	104	138
Software publishers	<1	479	1,169	1,378
Motion picture and video industries	<1	375	839	2,779
Sound recording industries	<1	17	132	306
Radio and television broadcasting	<1	1,482	2,101	10,046
Cable and other subscription programming	<1	2	19	86
Wired telecommunications carriers	<1	1,865	4,447	8,984
Wireless telecommunications carriers (except satellite)	<1	570	3,806	10,202

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	303	495	1,457
Data processing, hosting, and related services	<1	2,099	4,473	12,921
News syndicates, libraries, archives and all other information services	<1	100	156	498
Internet publishing and broadcasting and web search portals	<1	387	961	6,138
Nondepository credit intermediation and related activities	<1	2,031	2,619	4,860
Securities and commodity contracts intermediation and brokerage	<1	3,534	3,696	11,686
Monetary authorities and depository credit intermediation	<1	17,698	49,164	89,652
Other financial investment activities	<1	746	1,429	5,346
Direct life insurance carriers	<1	778	1,551	2,538
Insurance carriers, except direct life	<1	4,971	16,393	40,422
Insurance agencies, brokerages, and related activities	<1	5,016	8,094	23,339
Funds, trusts, and other financial vehicles	<1	877	1,098	8,117
Other real estate	<1	18,917	64,506	175,981
Tenant-occupied housing	<1	1,483	12,838	16,006
Owner-occupied dwellings	0	0	49,526	62,870
Automotive equipment rental and leasing	<1	458	2,174	3,346
General and consumer goods rental except video tapes and discs	<1	765	1,290	2,460
Video tape and disc rental	<1	186	381	598
Commercial and industrial machinery and equipment rental and leasing	<1	814	3,208	4,676
Lessors of nonfinancial intangible assets	<1	4	2,233	2,737
Legal services	<1	20,823	32,406	51,948
Accounting, tax preparation, bookkeeping, and payroll services	<1	5,998	7,462	12,556
Architectural, engineering, and related services	<1	9,197	9,781	19,766
Specialized design services	<1	246	349	602
Custom computer programming services	<1	1,492	1,651	2,485

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Computer systems design services	<1	3,640	3,285	4,594
Other computer related services, including facilities management	<1	2,497	3,348	7,280
Management consulting services	<1	19,084	19,651	35,817
Environmental and other technical consulting services	<1	3,083	3,197	5,195
Scientific research and development services	8	452,616	625,419	1,447,824
Advertising, public relations, and related services	<1	6,889	9,203	18,820
Photographic services	<1	185	374	867
Veterinary services	<1	640	752	1,313
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,660	9,488	19,216
Management of companies and enterprises	<1	54,418	62,338	97,383
Office administrative services	<1	6,326	3,089	8,683
Facilities support services	<1	659	1,026	2,721
Employment services	1	27,096	40,789	71,945
Business support services	<1	5,980	5,170	9,775
Travel arrangement and reservation services	<1	433	582	1,577
Investigation and security services	<1	2,395	2,391	3,896
Services to buildings	<1	4,076	5,825	12,016
Landscape and horticultural services	<1	2,062	2,624	5,101
Other support services	<1	838	1,095	2,357
Waste management and remediation services	<1	1,589	3,195	6,002
Elementary and secondary schools	<1	1,513	1,310	1,613
Junior colleges, colleges, universities, and professional schools	<1	1,322	1,807	2,779
Other educational services	<1	1,042	1,160	2,333
Offices of physicians	<1	20,515	21,500	31,373
Offices of dentists	<1	3,453	4,397	6,400
Offices of other health practitioners	<1	3,071	4,562	6,212
Outpatient care centers	<1	2,938	2,692	4,776
Medical and diagnostic laboratories	<1	978	1,441	2,056
Home health care services	<1	3,027	2,897	3,813
Other ambulatory health care services	<1	1,048	1,177	1,976

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Hospitals	<1	19,061	22,142	47,433
Nursing and community care facilities	<1	4,284	4,720	9,122
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,355	1,445	2,391
Individual and family services	<1	3,948	3,494	5,436
Child day care services	<1	1,220	1,897	2,661
Community food, housing, and other relief services, including rehabilitation services	<1	787	774	2,002
Performing arts companies	<1	143	257	639
Commercial Sports Except Racing	<1	446	289	859
Racing and Track Operation	<1	77	214	462
Independent artists, writers, and performers	<1	77	381	639
Promoters of performing arts and sports and agents for public figures	<1	264	663	1,796
Museums, historical sites, zoos, and parks	<1	168	218	392
Amusement parks and arcades	<1	44	197	283
Gambling industries (except casino hotels)	<1	332	1,185	2,128
Other amusement and recreation industries	<1	527	741	1,591
Fitness and recreational sports centers	<1	288	526	1,042
Bowling centers	<1	64	134	262
Hotels and motels, including casino hotels	<1	241	564	1,006
Other accommodations	<1	66	100	144
Full-service restaurants	<1	7,199	10,998	20,540
Limited-service restaurants	<1	4,773	8,174	19,326
All other food and drinking places	<1	4,658	6,888	10,985
Automotive repair and maintenance, except car washes	<1	3,830	5,348	7,979
Car washes	<1	1,797	3,130	4,793
Electronic and precision equipment repair and maintenance	<1	1,471	1,831	3,422
Commercial and industrial machinery and equipment repair and maintenance	<1	2,635	2,925	4,669
Personal and household goods repair and maintenance	<1	702	1,513	2,226
Personal care services	<1	1,547	1,580	2,129
Death care services	<1	360	351	484

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Dry-cleaning and laundry services	<1	1,170	1,093	1,407
Other personal services	<1	1,182	1,533	2,304
Religious organizations	<1	3,918	2,801	8,955
Grantmaking, giving, and social advocacy organizations	<1	719	2,735	4,226
Business and professional associations	<1	1,141	2,256	4,081
Labor and civic organizations	<1	387	1,313	2,460
Private households	<1	628	628	628
Postal service	<1	3,038	3,039	3,259
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	132	-233	184
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	60	82	158
Local government passenger transit	<1	2,083	-143	3,205
Local government electric utilities	<1	301	1,028	1,998
Other local government enterprises	<1	3,663	9,676	19,702
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	15,484	40,794	93,325

California

NASA

Table 640: Detailed NASA Impacts by Types of Impact, California

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	66,236	5,863,884,594	8,957,929,306	15,243,585,199
Oilseed farming	<1	665,229	1,450,276	1,968,684
Grain farming	17	2,627,860	3,869,788	10,635,228
Vegetable and melon farming	37	2,542,383	4,092,198	7,363,672
Fruit farming	77	3,989,501	6,802,833	9,615,113
Tree nut farming	38	2,051,198	3,731,586	5,356,299
Greenhouse, nursery, and floriculture production	36	2,046,266	2,773,740	4,965,164
Tobacco farming	0	0	0	0
Cotton farming	3	169,006	223,551	394,245
Sugarcane and sugar beet farming	5	411,582	537,984	958,260
All other crop farming	66	1,715,964	2,282,206	4,059,788
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	55	4,798,399	8,330,962	20,741,471
Dairy cattle and milk production	32	2,696,738	4,585,712	20,744,492
Poultry and egg production	8	509,378	777,523	8,065,169
Animal production, except cattle and poultry and eggs	14	1,703,259	2,964,558	4,170,710
Forestry, forest products, and timber tract production	4	426,161	444,108	509,306
Commercial logging	11	1,006,323	1,025,454	1,401,191
Commercial fishing	9	300,587	389,185	414,050
Commercial hunting and trapping	<1	12,100	253,526	279,330
Support activities for agriculture and forestry	204	10,008,095	10,017,727	11,740,204
Oil and gas extraction	79	6,299,920	25,047,112	50,930,650
Coal mining	<1	12,788	33,689	68,501
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	2	239,726	464,745	863,821
Gold ore mining	6	579,258	1,152,985	2,483,927
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	97,666	174,617	356,937
Stone mining and quarrying	3	159,151	522,149	984,131
Sand and gravel mining	5	429,875	902,006	1,649,569

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Other clay, ceramic, refractory minerals mining	<1	61,074	120,937	248,449
Potash, soda, and borate mineral mining	1	110,884	188,379	368,082
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	41,121	91,384	181,724
Other nonmetallic minerals	2	121,750	232,050	462,728
Drilling oil and gas wells	<1	1,952	3,679	8,191
Support activities for oil and gas operations	<1	30,298	49,050	96,481
Metal mining services	2	100,179	427,936	1,092,264
Other nonmetallic minerals services	<1	4,044	15,995	37,267
Electric power generation - Hydroelectric	3	590,401	1,722,812	2,880,978
Electric power generation - Fossil fuel	15	3,727,117	13,180,861	26,473,308
Electric power generation - Nuclear	2	551,402	1,119,726	1,872,042
Electric power generation - Solar	1	215,401	754,132	1,264,538
Electric power generation - Wind	1	275,154	2,203,290	3,407,737
Electric power generation - Geothermal	<1	173,387	402,226	717,045
Electric power generation - Biomass	<1	139,263	564,449	1,213,997
Electric power generation - All other	1	303,318	228,711	469,217
Electric power transmission and distribution	30	6,509,158	20,279,554	42,926,036
Natural gas distribution	45	10,359,955	28,077,841	48,780,213
Water, sewage and other systems	22	3,128,591	5,879,511	9,153,943
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	2	135,190	155,142	283,075
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	198	15,449,609	24,157,016	47,572,163
Maintenance and repair construction of residential structures	95	6,972,324	10,626,820	20,948,062
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10,027	15,749	31,069
Dog and cat food manufacturing	13	1,093,123	3,041,792	12,208,450
Other animal food manufacturing	20	1,617,603	3,175,383	20,754,391
Flour milling	4	371,970	656,369	4,375,677
Rice milling	3	201,960	308,441	1,945,941
Malt manufacturing	<1	5,206	8,921	70,747
Wet corn milling	9	930,042	2,313,606	14,259,960
Soybean and other oilseed processing	5	416,231	2,017,189	22,193,904
Fats and oils refining and blending	4	360,058	674,327	6,178,631
Breakfast cereal manufacturing	3	231,190	511,474	2,129,210
Beet sugar manufacturing	2	181,536	345,147	1,377,766
Sugar cane mills and refining	3	291,257	680,328	3,062,361
Nonchocolate confectionery manufacturing	14	1,118,598	1,638,747	6,360,011
Chocolate and confectionery manufacturing from cacao beans	8	663,983	970,104	4,071,974
Confectionery manufacturing from purchased chocolate	12	750,464	995,443	4,206,507
Frozen fruits, juices and vegetables manufacturing	14	1,034,611	1,840,258	6,758,577
Frozen specialties manufacturing	31	2,091,604	2,779,660	10,868,790
Canned fruits and vegetables manufacturing	36	2,494,063	4,599,613	19,185,246
Canned specialties	3	273,920	601,412	2,713,573
Dehydrated food products manufacturing	10	658,734	1,091,260	4,343,617
Cheese manufacturing	48	3,374,373	4,814,651	42,247,208
Dry, condensed, and evaporated dairy product manufacturing	5	537,517	1,137,296	5,991,521
Fluid milk manufacturing	18	1,719,353	2,563,226	12,853,779
Creamery butter manufacturing	2	134,046	518,471	2,872,764
Ice cream and frozen dessert manufacturing	7	517,037	694,502	2,823,989
Frozen cakes and other pastries manufacturing	68	2,892,059	4,072,616	6,783,812

Appendix

Poultry processing	58	2,735,045	3,389,264	16,667,531
Animal, except poultry, slaughtering	41	2,739,743	3,521,528	25,556,787
Meat processed from carcasses	41	2,724,122	2,790,055	19,321,216
Rendering and meat byproduct processing	5	430,402	469,540	2,188,462
Seafood product preparation and packaging	8	605,873	751,858	3,381,462
Bread and bakery product, except frozen, manufacturing	150	6,899,447	9,432,364	22,098,715
Cookie and cracker manufacturing	13	841,614	1,165,773	4,364,200
Dry pasta, mixes, and dough manufacturing	11	727,596	1,451,782	5,718,818
Tortilla manufacturing	9	542,591	661,252	2,133,918
Roasted nuts and peanut butter manufacturing	13	1,006,754	2,317,779	6,741,940
Other snack food manufacturing	20	1,602,654	2,859,110	10,236,118
Coffee and tea manufacturing	10	713,583	1,223,486	6,495,284
Flavoring syrup and concentrate manufacturing	7	723,305	4,511,922	11,241,176
Mayonnaise, dressing, and sauce manufacturing	11	842,186	1,488,578	6,037,280
Spice and extract manufacturing	11	1,043,956	1,619,208	6,826,112
All other food manufacturing	52	3,372,343	4,739,987	20,297,986
Bottled and canned soft drinks & water	27	2,635,309	3,966,840	16,184,520
Manufactured ice	2	133,896	73,644	272,177
Breweries	41	2,797,023	6,498,259	16,356,545
Wineries	52	4,669,143	7,046,352	18,409,461
Distilleries	5	559,932	3,385,858	6,111,968
Tobacco product manufacturing	<1	43,120	1,391,899	2,048,637
Fiber, yarn, and thread mills	5	238,577	359,205	1,610,654
Broadwoven fabric mills	5	340,753	535,345	1,601,431
Narrow fabric mills and schiffli machine embroidery	1	74,798	82,073	229,683
Nonwoven fabric mills	2	108,272	184,606	707,399
Knit fabric mills	3	142,831	181,402	602,414
Textile and fabric finishing mills	15	846,458	1,082,043	4,117,519
Fabric coating mills	2	196,424	252,020	883,752
Carpet and rug mills	7	426,817	703,344	2,445,018
Curtain and linen mills	8	445,266	567,454	1,673,775
Textile bag and canvas mills	11	617,414	729,671	1,882,102
Rope, cordage, twine, tire cord and tire fabric mills	<1	55,002	80,842	228,190
Other textile product mills	12	641,147	765,739	1,966,746
Hosiery and sock mills	5	243,977	302,365	553,693

Appendix

Other apparel knitting mills	4	190,663	233,945	463,623
Cut and sew apparel contractors	34	1,448,168	1,525,690	2,890,687
Mens and boys cut and sew apparel manufacturing	17	1,052,040	1,177,695	2,213,885
Womens and girls cut and sew apparel manufacturing	26	1,506,009	1,936,089	5,067,400
Other cut and sew apparel manufacturing	16	757,618	937,502	2,216,338
Apparel accessories and other apparel manufacturing	11	563,003	695,099	1,557,643
Leather and hide tanning and finishing	<1	25,114	35,550	163,490
Footwear manufacturing	4	187,221	203,963	524,297
Other leather and allied product manufacturing	5	221,790	233,760	589,284
Sawmills	12	770,083	1,215,651	3,971,165
Wood preservation	1	78,052	217,396	833,110
Veneer and plywood manufacturing	2	87,653	140,906	456,958
Engineered wood member and truss manufacturing	5	271,298	409,083	1,213,445
Reconstituted wood product manufacturing	<1	53,757	130,491	441,316
Wood windows and door manufacturing	13	806,586	1,119,833	3,127,613
Cut stock, resawing lumber, and planing	2	122,127	216,989	605,387
Other millwork, including flooring	8	474,334	756,412	2,014,387
Wood container and pallet manufacturing	15	742,109	1,008,968	2,752,131
Manufactured home (mobile home) manufacturing	<1	18,870	23,588	65,601
Prefabricated wood building manufacturing	<1	44,324	61,088	172,671
All other miscellaneous wood product manufacturing	5	247,945	366,368	1,055,878
Pulp mills	0	0	0	0
Paper mills	7	728,968	1,502,187	5,447,934
Paperboard mills	4	386,834	871,111	3,370,432
Paperboard container manufacturing	61	5,460,950	8,172,525	31,893,993
Paper bag and coated and treated paper manufacturing	16	1,323,072	2,340,944	7,841,532
Stationery product manufacturing	3	220,599	325,205	1,213,542
Sanitary paper product manufacturing	5	579,546	1,594,606	4,673,417
All other converted paper product manufacturing	5	326,248	471,493	1,472,654

Appendix

Printing	124	7,572,926	10,849,787	22,245,140
Support activities for printing	12	710,033	953,443	1,541,782
Petroleum refineries	40	11,582,471	68,265,862	283,581,790
Asphalt paving mixture and block manufacturing	<1	56,203	83,099	301,616
Asphalt shingle and coating materials manufacturing	<1	65,973	216,094	537,680
Petroleum lubricating oil and grease manufacturing	3	398,394	1,249,864	3,327,606
All other petroleum and coal products manufacturing	<1	63,252	222,788	574,718
Petrochemical manufacturing	<1	53,378	536,952	990,254
Industrial gas manufacturing	12	1,879,690	4,641,548	12,327,952
Synthetic dye and pigment manufacturing	3	265,877	638,501	2,106,303
Other basic inorganic chemical manufacturing	7	1,012,545	2,718,650	7,548,201
Other basic organic chemical manufacturing	7	771,932	1,855,657	11,602,248
Plastics material and resin manufacturing	11	1,104,988	2,180,349	15,676,739
Synthetic rubber manufacturing	<1	58,206	103,762	618,494
Artificial and synthetic fibers and filaments manufacturing	1	130,411	203,928	1,063,833
Nitrogenous fertilizer manufacturing	2	272,364	812,579	2,658,122
Phosphatic fertilizer manufacturing	<1	101,742	262,005	801,497
Fertilizer mixing	2	203,261	481,415	1,466,912
Pesticide and other agricultural chemical manufacturing	2	233,757	848,014	2,821,386
Medicinal and botanical manufacturing	20	3,588,963	6,835,369	14,539,566
Pharmaceutical preparation manufacturing	106	21,798,093	91,220,912	185,763,031
In-vitro diagnostic substance manufacturing	11	1,813,671	2,981,396	6,007,880
Biological product (except diagnostic) manufacturing	8	1,235,433	3,022,900	5,471,462
Paint and coating manufacturing	11	1,148,894	2,670,137	9,334,948
Adhesive manufacturing	7	868,376	1,622,884	5,195,971
Soap and other detergent manufacturing	12	1,627,555	6,411,583	18,012,051
Polish and other sanitation good manufacturing	15	2,077,696	3,603,429	8,202,367
Surface active agent manufacturing	<1	82,340	341,275	863,499
Toilet preparation manufacturing	30	2,697,505	11,015,406	27,049,196
Printing ink manufacturing	4	419,099	469,525	1,893,752

Appendix

Explosives manufacturing	<1	84,760	101,566	324,079
Custom compounding of purchased resins	5	449,030	949,947	3,293,660
Photographic film and chemical manufacturing	4	339,560	923,327	3,029,993
Other miscellaneous chemical product manufacturing	14	1,411,080	2,748,027	9,916,072
Plastics packaging materials and unlaminated film and sheet manufacturing	30	2,254,648	3,510,894	13,673,524
Unlaminated plastics profile shape manufacturing	12	973,252	1,956,483	5,756,188
Plastics pipe and pipe fitting manufacturing	10	648,356	1,589,914	5,651,076
Laminated plastics plate, sheet (except packaging), and shape manufacturing	6	398,004	687,183	2,021,221
Polystyrene foam product manufacturing	10	608,437	972,873	3,573,586
Urethane and other foam product (except polystyrene) manufacturing	15	991,875	1,513,488	5,640,999
Plastics bottle manufacturing	19	1,619,545	2,453,365	8,760,314
Other plastics product manufacturing	111	7,570,254	10,507,718	32,035,615
Tire manufacturing	5	381,611	555,174	2,350,477
Rubber and plastics hoses and belting manufacturing	4	223,609	317,713	972,891
Other rubber product manufacturing	39	2,483,234	3,371,483	11,789,439
Pottery, ceramics, and plumbing fixture manufacturing	2	129,614	180,391	418,761
Brick, tile, and other structural clay product manufacturing	2	147,559	241,514	591,464
Flat glass manufacturing	2	184,572	357,062	899,523
Other pressed and blown glass and glassware manufacturing	9	672,263	1,108,213	2,615,640
Glass container manufacturing	8	639,494	986,540	2,462,026
Glass product manufacturing made of purchased glass	18	1,215,709	1,967,483	4,674,508
Cement manufacturing	2	206,964	459,467	1,223,096
Ready-mix concrete manufacturing	9	742,257	1,194,019	3,646,900
Concrete block and brick manufacturing	2	169,069	288,022	703,731
Concrete pipe manufacturing	<1	36,670	58,895	146,173
Other concrete product manufacturing	6	395,063	534,632	1,253,643
Lime manufacturing	<1	15,371	33,834	92,070
Gypsum product manufacturing	6	483,859	1,167,810	3,217,522

Appendix

Abrasive product manufacturing	1	86,027	215,797	390,669
Cut stone and stone product manufacturing	3	184,616	215,581	457,424
Ground or treated mineral and earth manufacturing	1	99,139	240,900	563,581
Mineral wool manufacturing	3	207,770	446,108	1,020,357
Miscellaneous nonmetallic mineral products manufacturing	1	119,549	304,957	632,098
Iron and steel mills and ferroalloy manufacturing	14	1,537,466	2,250,534	16,892,592
Iron, steel pipe and tube manufacturing from purchased steel	6	632,602	835,627	3,716,423
Rolled steel shape manufacturing	2	175,249	269,447	1,820,076
Steel wire drawing	3	193,072	227,329	1,097,796
Alumina refining and primary aluminum production	1	310,950	390,954	1,231,008
Secondary smelting and alloying of aluminum	2	211,573	321,087	2,845,203
Aluminum sheet, plate, and foil manufacturing	3	242,361	381,648	2,854,574
Other aluminum rolling, drawing and extruding	9	765,113	935,724	4,623,953
Nonferrous metal (exc aluminum) smelting and refining	<1	26,813	65,142	368,291
Copper rolling, drawing, extruding and alloying	2	136,786	173,807	1,732,317
Nonferrous metal, except copper and aluminum, shaping	5	449,013	507,857	2,365,038
Secondary processing of other nonferrous metals	1	132,123	170,606	1,163,774
Ferrous metal foundries	13	1,047,984	1,262,677	3,672,205
Nonferrous metal foundries	18	1,302,702	1,606,542	4,697,752
Custom roll forming	2	177,918	290,705	1,334,187
Crown and closure manufacturing and metal stamping	17	1,250,709	1,553,930	4,196,590
Iron and steel forging	8	620,501	975,380	3,199,689
Nonferrous forging	4	350,959	496,441	1,571,040
Cutlery, utensil, pot, and pan manufacturing	3	221,388	546,122	1,497,834
Handtool manufacturing	9	579,422	917,427	2,112,975
Prefabricated metal buildings and components manufacturing	2	137,513	190,248	557,209
Fabricated structural metal manufacturing	19	1,571,356	2,250,408	6,652,940
Plate work manufacturing	5	354,296	387,587	1,173,346
Metal window and door manufacturing	12	844,539	1,122,635	2,870,689
Sheet metal work manufacturing	23	1,698,899	2,204,691	5,664,010

Appendix

Ornamental and architectural metal work manufacturing	10	778,834	989,272	2,406,607
Power boiler and heat exchanger manufacturing	<1	16,208	22,743	61,910
Metal tank (heavy gauge) manufacturing	1	116,653	146,042	404,636
Metal cans manufacturing	7	649,420	1,383,128	5,956,000
Metal barrels, drums and pails manufacturing	4	266,953	326,723	1,175,502
Hardware manufacturing	8	634,991	964,749	2,746,178
Spring and wire product manufacturing	11	802,214	1,074,636	3,050,346
Machine shops	104	7,454,426	9,006,444	18,171,695
Turned product and screw, nut, and bolt manufacturing	26	2,075,997	2,968,834	7,451,599
Metal heat treating	9	764,462	1,081,780	2,541,427
Metal coating and nonprecious engraving	22	1,361,830	2,313,179	5,964,162
Electroplating, anodizing, and coloring metal	30	1,925,946	2,180,791	4,843,961
Valve and fittings, other than plumbing, manufacturing	9	919,548	1,410,497	3,445,233
Plumbing fixture fitting and trim manufacturing	5	368,521	966,334	2,967,285
Ball and roller bearing manufacturing	7	592,140	1,031,828	2,480,075
Small arms ammunition manufacturing	<1	47,707	94,765	205,196
Ammunition, except for small arms, manufacturing	<1	21,249	25,636	53,211
Small arms, ordnance, and accessories manufacturing	3	288,997	519,996	1,055,873
Fabricated pipe and pipe fitting manufacturing	2	133,242	163,430	436,378
Other fabricated metal manufacturing	17	1,377,830	1,775,457	4,378,361
Farm machinery and equipment manufacturing	1	90,984	174,168	589,953
Lawn and garden equipment manufacturing	<1	5,215	10,714	58,432
Construction machinery manufacturing	<1	6,686	17,515	54,604
Mining machinery and equipment manufacturing	<1	2,190	3,899	9,318
Oil and gas field machinery and equipment manufacturing	<1	18,788	35,342	104,833
Semiconductor machinery manufacturing	<1	177,977	216,096	478,635
Food product machinery manufacturing	<1	23,416	28,670	87,127

Appendix

Sawmill, woodworking, and paper machinery	<1	41,355	48,197	135,700
Printing machinery and equipment manufacturing	<1	22,161	25,622	72,993
All other industrial machinery manufacturing	<1	71,915	99,751	246,915
Optical instrument and lens manufacturing	1	173,516	284,910	524,043
Photographic and photocopying equipment manufacturing	<1	92,144	134,810	396,676
Other commercial service industry machinery manufacturing	4	355,053	658,237	1,628,709
Air purification and ventilation equipment manufacturing	1	93,891	141,848	376,382
Heating equipment (except warm air furnaces) manufacturing	6	468,262	794,520	1,989,258
Air conditioning, refrigeration, and warm air heating equipment manufacturing	6	434,925	902,193	2,480,017
Industrial mold manufacturing	1	88,278	108,449	226,728
Special tool, die, jig, and fixture manufacturing	1	93,100	132,631	250,708
Cutting tool and machine tool accessory manufacturing	2	124,918	147,396	346,562
Machine tool manufacturing	<1	73,598	100,178	284,277
Rolling mill and other metalworking machinery manufacturing	<1	51,072	64,623	165,652
Turbine and turbine generator set units manufacturing	<1	100,590	139,845	369,184
Speed changer, industrial high-speed drive, and gear manufacturing	2	198,521	328,779	686,729
Mechanical power transmission equipment manufacturing	1	109,181	196,058	460,596
Other engine equipment manufacturing	2	188,039	465,906	1,640,561
Pump and pumping equipment manufacturing	<1	60,167	120,361	306,252
Air and gas compressor manufacturing	<1	11,218	24,308	76,501
Elevator and moving stairway manufacturing	<1	21,492	33,966	102,546
Conveyor and conveying equipment manufacturing	<1	23,238	27,300	78,315
Overhead cranes, hoists, and monorail systems manufacturing	<1	40,478	71,304	234,171
Industrial truck, trailer, and stacker manufacturing	<1	18,894	34,303	115,037

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Power-driven handtool manufacturing	<1	21,156	65,121	188,495
Welding and soldering equipment manufacturing	<1	59,605	94,182	249,203
Packaging machinery manufacturing	2	195,770	305,453	781,772
Industrial process furnace and oven manufacturing	<1	19,306	24,101	55,066
Fluid power cylinder and actuator manufacturing	<1	48,023	74,356	200,974
Fluid power pump and motor manufacturing	3	297,337	528,127	1,324,441
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	73,761	96,142	239,618
Electronic computer manufacturing	11	3,717,787	7,265,545	15,032,881
Computer storage device manufacturing	3	594,099	1,415,029	4,337,373
Computer terminals and other computer peripheral equipment manufacturing	10	1,870,000	3,088,342	6,178,238
Telephone apparatus manufacturing	1	215,352	325,639	830,509
Broadcast and wireless communications equipment manufacturing	3	422,424	634,293	1,359,102
Other communications equipment manufacturing	4	328,615	533,417	1,507,606
Audio and video equipment manufacturing	7	1,026,351	1,681,958	4,000,736
Printed circuit assembly (electronic assembly) manufacturing	35	2,696,411	4,636,868	15,889,196
Bare printed circuit board manufacturing	13	967,135	1,263,863	3,349,875
Semiconductor and related device manufacturing	101	25,273,873	40,691,231	78,996,208
Capacitor, resistor, coil, transformer, and other inductor manufacturing	6	493,444	693,751	1,679,626
Electronic connector manufacturing	56	5,335,112	7,989,363	20,652,573
Other electronic component manufacturing	40	3,540,197	4,711,249	11,652,889
Electromedical and electrotherapeutic apparatus manufacturing	4	571,216	1,055,952	2,057,938
Search, detection, and navigation instruments manufacturing	<1	100,652	169,335	324,402
Automatic environmental control manufacturing	7	796,626	1,047,862	1,921,347

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Industrial process variable instruments manufacturing	3	358,063	556,220	1,294,355
Totalizing fluid meter and counting device manufacturing	1	104,477	217,346	480,002
Electricity and signal testing instruments manufacturing	3	544,794	843,680	2,082,445
Analytical laboratory instrument manufacturing	11	1,726,968	2,891,127	5,587,545
Irradiation apparatus manufacturing	<1	26,135	50,315	120,947
Watch, clock, and other measuring and controlling device manufacturing	6	751,061	1,341,113	2,600,860
Blank magnetic and optical recording media manufacturing	3	427,968	1,186,132	3,166,311
Software and other prerecorded and record reproducing	2	337,148	475,297	892,919
Electric lamp bulb and part manufacturing	2	227,851	446,476	1,111,365
Lighting fixture manufacturing	20	1,830,179	2,675,184	6,896,502
Small electrical appliance manufacturing	2	238,820	508,272	1,298,319
Household cooking appliance manufacturing	1	124,662	268,357	800,481
Household refrigerator and home freezer manufacturing	2	132,472	295,641	849,547
Household laundry equipment manufacturing	4	306,908	530,534	1,986,170
Other major household appliance manufacturing	<1	51,081	121,334	325,841
Power, distribution, and specialty transformer manufacturing	<1	86,135	127,803	306,705
Motor and generator manufacturing	2	208,380	353,632	996,537
Switchgear and switchboard apparatus manufacturing	3	293,060	493,022	1,238,243
Relay and industrial control manufacturing	6	716,152	980,040	2,411,002
Storage battery manufacturing	8	726,992	1,024,687	2,706,643
Primary battery manufacturing	3	331,861	651,199	1,158,389
Fiber optic cable manufacturing	9	1,294,682	1,591,251	4,615,355
Other communication and energy wire manufacturing	1	125,352	191,304	730,519
Wiring device manufacturing	11	1,177,834	2,172,080	4,885,628
Carbon and graphite product manufacturing	9	708,133	1,196,193	3,877,364
All other miscellaneous electrical equipment and component manufacturing	4	581,028	659,889	1,598,167
Automobile manufacturing	15	1,810,509	5,263,039	20,612,144

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Light truck and utility vehicle manufacturing	<1	1,129	2,036	51,238
Heavy duty truck manufacturing	<1	10,776	22,961	131,489
Motor vehicle body manufacturing	<1	52,994	67,322	261,564
Truck trailer manufacturing	<1	3,941	4,599	16,625
Motor home manufacturing	<1	47,681	64,885	283,963
Travel trailer and camper manufacturing	11	678,694	738,198	3,452,124
Motor vehicle gasoline engine and engine parts manufacturing	11	905,618	1,261,511	6,944,388
Motor vehicle electrical and electronic equipment manufacturing	13	1,584,074	1,894,638	6,722,849
Motor vehicle transmission and power train parts manufacturing	7	680,959	979,800	4,550,883
Motor vehicle seating and interior trim manufacturing	2	101,492	113,917	697,248
Motor vehicle metal stamping	5	318,752	374,003	1,720,915
Other motor vehicle parts manufacturing	33	2,174,169	2,738,421	14,986,977
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	7	502,468	757,588	3,740,830
Aircraft manufacturing	<1	70,537	146,915	466,541
Aircraft engine and engine parts manufacturing	2	239,653	534,582	1,234,237
Other aircraft parts and auxiliary equipment manufacturing	19	1,871,359	2,662,267	6,408,618
Guided missile and space vehicle manufacturing	1	230,997	367,386	746,196
Propulsion units and parts for space vehicles and guided missiles manufacturing	1	249,548	412,306	696,938
Railroad rolling stock manufacturing	<1	43,939	51,474	202,912
Ship building and repairing	2	204,075	248,578	594,283
Boat building	6	411,632	548,138	1,723,017
Motorcycle, bicycle, and parts manufacturing	7	529,659	1,594,921	4,883,124
Military armored vehicle, tank, and tank component manufacturing	9	1,329,534	2,564,793	6,771,131
All other transportation equipment manufacturing	5	344,850	633,467	2,983,464
Wood kitchen cabinet and countertop manufacturing	38	2,221,002	2,722,564	6,175,678
Upholstered household furniture manufacturing	34	1,706,369	1,871,876	6,135,042

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Nonupholstered wood household furniture manufacturing	10	492,888	546,238	1,470,440
Other household nonupholstered furniture manufacturing	4	238,039	326,660	1,208,407
Institutional furniture manufacturing	<1	44,796	48,063	142,145
Wood office furniture manufacturing	<1	42,466	52,030	149,021
Custom architectural woodwork and millwork	<1	38,787	35,993	91,544
Office furniture, except wood, manufacturing	16	1,211,497	1,699,838	5,110,888
Showcase, partition, shelving, and locker manufacturing	4	269,357	340,588	900,092
Mattress manufacturing	7	411,508	611,844	2,354,631
Blind and shade manufacturing	3	153,348	159,503	576,301
Surgical and medical instrument manufacturing	13	1,684,403	2,820,946	5,244,213
Surgical appliance and supplies manufacturing	26	2,810,560	4,967,012	10,101,895
Dental equipment and supplies manufacturing	3	275,544	419,425	888,493
Ophthalmic goods manufacturing	13	1,134,483	1,973,807	3,692,223
Dental laboratories	30	1,867,097	1,925,137	3,257,192
Jewelry and silverware manufacturing	14	808,274	1,249,877	3,050,615
Sporting and athletic goods manufacturing	19	1,484,204	1,968,879	5,343,158
Doll, toy, and game manufacturing	7	910,879	1,342,735	2,863,557
Office supplies (except paper) manufacturing	4	315,808	431,492	1,111,170
Sign manufacturing	2	178,776	157,319	363,791
Gasket, packing, and sealing device manufacturing	5	429,358	514,889	1,147,958
Musical instrument manufacturing	2	161,446	171,130	371,649
Fasteners, buttons, needles, and pins manufacturing	1	105,882	134,318	321,185
Broom, brush, and mop manufacturing	2	142,702	195,840	599,062
Burial casket manufacturing	<1	12,493	15,239	34,971
All other miscellaneous manufacturing	13	1,151,296	1,479,309	3,313,044
Wholesale - Motor vehicle and motor vehicle parts and supplies	53	4,446,886	9,829,869	20,326,561
Wholesale - Professional and commercial equipment and supplies	125	18,013,764	29,837,853	45,413,929

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Wholesale - Household appliances and electrical and electronic goods	65	7,924,173	17,658,847	33,896,368
Wholesale - Machinery, equipment, and supplies	76	7,245,910	13,807,690	22,701,989
Wholesale - Other durable goods merchant wholesalers	174	14,890,094	25,985,792	46,947,099
Wholesale - Drugs and druggists' sundries	70	10,460,314	28,325,778	52,659,853
Wholesale - Grocery and related product wholesalers	194	15,519,513	20,742,480	39,013,766
Wholesale - Petroleum and petroleum products	27	2,917,127	58,406,985	63,796,380
Wholesale - Other nondurable goods merchant wholesalers	256	21,429,501	52,822,369	87,944,393
Wholesale - Wholesale electronic markets and agents and brokers	97	11,330,545	11,817,169	13,624,303
Retail - Motor vehicle and parts dealers	189	12,743,668	20,823,133	28,959,491
Retail - Furniture and home furnishings stores	143	7,392,134	10,197,510	15,317,044
Retail - Electronics and appliance stores	144	8,629,023	8,731,730	14,018,033
Retail - Building material and garden equipment and supplies stores	155	7,735,062	14,496,219	20,361,598
Retail - Food and beverage stores	565	25,358,904	33,756,335	50,073,590
Retail - Health and personal care stores	284	15,140,743	19,119,053	27,746,053
Retail - Gasoline stores	199	17,564,726	23,747,455	33,972,306
Retail - Clothing and clothing accessories stores	318	11,407,613	18,561,931	33,292,147
Retail - Sporting goods, hobby, musical instrument and book stores	172	6,337,044	8,568,457	12,574,344
Retail - General merchandise stores	536	19,560,256	30,693,134	46,474,795
Retail - Miscellaneous store retailers	335	12,243,383	15,087,982	21,730,362
Retail - Nonstore retailers	426	20,499,081	61,049,056	94,674,216
Air transportation	150	17,206,476	43,519,519	69,463,540
Rail transportation	39	4,854,028	7,581,621	16,181,022
Water transportation	22	2,601,631	4,601,107	16,062,072
Truck transportation	3,706	288,842,564	321,857,138	605,008,388
Transit and ground passenger transportation	608	18,968,744	30,002,494	35,174,810
Pipeline transportation	8	3,207,856	6,338,079	7,120,797
Scenic and sightseeing transportation and support activities for transportation	523	43,016,071	46,332,460	85,839,408

Appendix

Couriers and messengers	512	17,374,319	24,083,119	42,507,330
Warehousing and storage	428	19,985,212	22,536,270	41,280,105
Newspaper publishers	16	1,203,326	2,215,208	2,611,534
Periodical publishers	16	2,191,187	3,699,924	4,812,932
Book publishers	11	1,223,981	4,217,243	5,967,709
Directory, mailing list, and other publishers	5	403,399	1,255,949	1,644,988
Greeting card publishing	<1	10,485	32,591	52,375
Software publishers	148	36,828,559	92,524,232	96,712,867
Motion picture and video industries	96	14,893,944	30,532,956	40,908,915
Sound recording industries	6	740,404	6,839,278	7,967,716
Radio and television broadcasting	40	18,937,931	21,315,104	29,811,994
Cable and other subscription programming	18	8,600,254	31,976,632	46,811,806
Wired telecommunications carriers	93	12,327,594	29,887,829	49,328,503
Wireless telecommunications carriers (except satellite)	29	3,872,690	31,843,355	64,027,717
Satellite, telecommunications resellers, and all other telecommunications	23	4,873,531	6,883,604	12,717,872
Data processing, hosting, and related services	172	33,932,820	59,042,035	110,343,543
News syndicates, libraries, archives and all other information services	16	3,328,647	5,218,584	7,264,749
Internet publishing and broadcasting and web search portals	158	79,072,684	154,828,557	256,785,653
Nondepository credit intermediation and related activities	225	34,341,349	45,753,637	64,485,322
Securities and commodity contracts intermediation and brokerage	327	44,647,276	37,048,946	55,892,959
Monetary authorities and depository credit intermediation	408	50,844,173	172,594,909	233,091,831
Other financial investment activities	520	63,232,351	72,647,083	135,808,075
Direct life insurance carriers	58	6,016,200	10,223,590	15,349,196
Insurance carriers, except direct life	245	24,474,848	62,648,078	139,895,744
Insurance agencies, brokerages, and related activities	397	34,740,308	48,658,936	114,684,954
Funds, trusts, and other financial vehicles	149	8,487,104	11,295,482	46,897,005
Other real estate	2,598	120,710,481	323,764,894	629,385,794
Tenant-occupied housing	174	7,845,328	136,211,035	144,356,023

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Owner-occupied dwellings	0	0	371,671,444	471,820,534
Automotive equipment rental and leasing	94	6,358,333	18,422,292	25,498,210
General and consumer goods rental except video tapes and discs	90	6,104,224	7,928,110	12,886,098
Video tape and disc rental	20	1,134,612	1,980,592	2,937,588
Commercial and industrial machinery and equipment rental and leasing	90	9,012,482	23,919,945	32,468,718
Lessors of nonfinancial intangible assets	9	1,040,614	28,290,592	30,507,050
Legal services	861	99,440,650	160,512,849	208,148,205
Accounting, tax preparation, bookkeeping, and payroll services	388	36,949,719	54,687,610	72,076,711
Architectural, engineering, and related services	700	71,499,002	81,922,173	129,396,383
Specialized design services	51	4,931,896	9,085,108	11,968,282
Custom computer programming services	169	24,277,415	24,349,948	30,957,593
Computer systems design services	162	21,539,717	20,017,230	24,214,313
Other computer related services, including facilities management	87	13,096,061	18,834,935	28,427,961
Management consulting services	1,589	171,931,053	180,539,117	265,568,292
Environmental and other technical consulting services	208	20,644,772	21,980,138	30,941,837
Scientific research and development services	12,000	1,694,067,167	2,289,041,757	3,581,292,480
Advertising, public relations, and related services	179	18,970,473	28,553,669	41,496,373
Photographic services	18	909,829	2,772,629	4,385,945
Veterinary services	74	4,286,318	5,797,838	8,273,102
Marketing research and all other miscellaneous professional, scientific, and technical services	300	30,975,898	68,290,584	101,140,078
Management of companies and enterprises	980	150,485,140	172,766,241	261,723,055
Office administrative services	396	33,036,845	12,195,585	27,929,197
Facilities support services	278	18,371,167	25,943,276	49,791,499
Employment services	2,211	112,016,054	155,132,042	219,405,550
Business support services	252	15,926,953	13,135,121	20,565,529
Travel arrangement and reservation services	120	8,005,243	10,015,583	21,022,599
Investigation and security services	326	14,658,916	14,208,579	19,979,836
Services to buildings	669	27,182,811	35,586,973	60,007,795
Landscape and horticultural services	322	14,974,089	17,707,483	29,616,061

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Other support services	124	8,032,809	9,788,814	16,671,819
Waste management and remediation services	96	8,216,768	14,143,155	23,953,468
Elementary and secondary schools	263	15,144,354	12,697,885	14,518,197
Junior colleges, colleges, universities, and professional schools	3,722	220,039,548	293,955,920	370,103,406
Other educational services	262	10,846,129	12,173,069	22,802,268
Offices of physicians	646	69,841,761	74,389,920	103,845,915
Offices of dentists	279	17,893,308	24,310,601	34,047,912
Offices of other health practitioners	226	12,073,878	19,728,583	25,874,597
Outpatient care centers	280	29,373,950	27,815,163	41,026,998
Medical and diagnostic laboratories	68	7,153,468	11,550,667	14,895,424
Home health care services	261	13,241,618	12,936,163	16,265,039
Other ambulatory health care services	78	5,016,925	5,827,843	9,089,342
Hospitals	956	105,942,885	122,925,894	207,834,585
Nursing and community care facilities	410	20,372,248	21,704,814	35,784,423
Residential mental retardation, mental health, substance abuse and other facilities	168	8,201,077	8,531,748	12,744,599
Individual and family services	1,183	29,324,207	27,925,574	43,016,272
Child day care services	208	8,208,950	13,949,922	16,928,928
Community food, housing, and other relief services, including rehabilitation services	213	7,785,320	7,780,538	16,587,612
Performing arts companies	93	5,400,748	6,496,611	9,054,326
Commercial Sports Except Racing	144	9,885,588	2,884,105	5,631,267
Racing and Track Operation	13	683,102	1,003,272	1,493,211
Independent artists, writers, and performers	149	10,381,466	19,638,906	25,636,023
Promoters of performing arts and sports and agents for public figures	149	7,959,569	10,900,789	17,603,305
Museums, historical sites, zoos, and parks	35	2,035,971	2,305,130	3,695,229
Amusement parks and arcades	56	2,355,711	3,382,516	4,743,062
Gambling industries (except casino hotels)	125	6,059,121	13,991,903	20,255,687
Other amusement and recreation industries	138	4,910,181	4,923,276	8,557,555
Fitness and recreational sports centers	153	4,148,565	4,772,990	8,299,447
Bowling centers	16	539,018	725,155	1,182,949

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Hotels and motels, including casino hotels	1,197	56,899,870	95,513,894	142,451,812
Other accommodations	326	19,646,003	26,679,198	33,260,963
Full-service restaurants	1,475	49,940,305	74,564,495	114,696,005
Limited-service restaurants	1,251	35,430,527	57,475,217	108,739,413
All other food and drinking places	897	33,933,032	47,123,479	66,918,182
Automotive repair and maintenance, except car washes	657	45,197,761	44,749,369	64,747,439
Car washes	252	15,112,792	22,809,914	33,300,317
Electronic and precision equipment repair and maintenance	845	73,345,848	90,532,435	134,213,088
Commercial and industrial machinery and equipment repair and maintenance	132	12,140,452	10,691,659	15,605,332
Personal and household goods repair and maintenance	77	4,722,365	7,685,374	10,624,313
Personal care services	456	14,600,821	11,847,572	15,998,331
Death care services	89	3,621,475	1,631,369	2,553,771
Dry-cleaning and laundry services	258	9,526,661	3,894,414	5,908,729
Other personal services	297	11,183,689	12,856,674	18,163,046
Religious organizations	454	25,861,511	6,171,728	33,743,931
Grantmaking, giving, and social advocacy organizations	170	12,145,783	29,647,121	46,410,829
Business and professional associations	53	5,674,265	8,334,902	13,530,525
Labor and civic organizations	179	7,017,033	15,581,277	26,897,706
Private households	347	6,680,207	6,679,191	6,679,191
Postal service	159	15,420,853	15,427,169	16,353,980
Federal electric utilities	0	0	0	0
Other federal government enterprises	194	6,998,920	9,158,208	43,149,318
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	41	5,395,155	-9,216,514	657,358
Local government electric utilities	37	6,699,064	12,995,186	22,923,479
Other local government enterprises	277	31,203,032	45,533,999	90,839,651
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	<1	15,882	18,302	18,302
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	<1	77,316	89,290	89,290
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,816	354,215,819	386,719,612	883,458,693

Moon to Mars Campaign

Table 641: Detailed M2M Campaign Impacts by Types of Impact, California

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>11,640</i>	<i>1,146,154,834</i>	<i>1,776,841,049</i>	<i>2,867,051,486</i>
Oilseed farming	<1	131,703	402,853	612,177
Grain farming	3	426,220	681,644	1,762,215
Vegetable and melon farming	7	455,148	750,555	1,348,326
Fruit farming	15	785,865	1,358,179	1,928,241
Tree nut farming	9	520,170	949,338	1,347,401
Greenhouse, nursery, and floriculture production	7	348,501	480,408	851,655
Tobacco farming	0	0	0	0
Cotton farming	<1	26,864	36,769	63,633
Sugarcane and sugar beet farming	<1	77,256	100,018	174,894
All other crop farming	10	260,100	356,993	630,624
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	8	859,402	1,349,525	3,157,499
Dairy cattle and milk production	5	533,874	855,482	3,671,118
Poultry and egg production	1	80,017	133,760	1,250,512
Animal production, except cattle and poultry and eggs	3	250,084	502,515	714,982
Forestry, forest products, and timber tract production	<1	89,511	93,262	104,437
Commercial logging	2	173,755	177,509	233,799
Commercial fishing	2	58,800	67,285	72,239
Commercial hunting and trapping	<1	3,526	48,178	51,191
Support activities for agriculture and forestry	38	1,848,761	1,845,463	2,165,277
Oil and gas extraction	6	340,891	1,669,411	3,763,974

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Coal mining	<1	1,266	3,095	6,473
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	48,219	93,036	169,216
Gold ore mining	1	88,687	179,132	397,892
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	19,004	32,812	66,781
Stone mining and quarrying	<1	31,497	88,766	170,631
Sand and gravel mining	1	93,064	177,325	317,806
Other clay, ceramic, refractory minerals mining	<1	10,139	19,127	40,305
Potash, soda, and borate mineral mining	<1	20,986	33,776	66,128
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	9,293	17,216	33,760
Other nonmetallic minerals	<1	31,551	57,292	113,471
Drilling oil and gas wells	<1	250	503	1,140
Support activities for oil and gas operations	<1	2,403	4,069	8,083
Metal mining services	<1	12,114	59,622	153,059
Other nonmetallic minerals services	<1	614	3,025	6,780
Electric power generation - Hydroelectric	<1	69,221	201,772	329,120
Electric power generation - Fossil fuel	2	572,430	1,949,399	3,617,739
Electric power generation - Nuclear	<1	79,265	164,946	261,693
Electric power generation - Solar	<1	22,482	82,364	135,647
Electric power generation - Wind	<1	28,262	226,275	341,408
Electric power generation - Geothermal	<1	27,628	62,579	111,346
Electric power generation - Biomass	<1	14,837	64,613	128,787
Electric power generation - All other	<1	47,276	36,633	66,546
Electric power transmission and distribution	3	668,004	2,094,256	4,210,256
Natural gas distribution	8	1,949,881	5,455,852	9,063,987
Water, sewage and other systems	1	240,763	456,868	672,859
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	35	2,852,402	4,497,945	8,675,485
Maintenance and repair construction of residential structures	18	1,331,973	2,039,035	3,952,885
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,891	2,953	5,804
Dog and cat food manufacturing	2	169,905	496,232	1,932,731
Other animal food manufacturing	4	302,076	619,530	3,878,385
Flour milling	<1	58,165	104,170	691,417
Rice milling	<1	42,283	62,994	403,118
Malt manufacturing	<1	678	1,221	8,917
Wet corn milling	2	160,498	418,078	2,531,607
Soybean and other oilseed processing	1	86,569	427,199	4,556,357
Fats and oils refining and blending	<1	76,425	147,197	1,281,404
Breakfast cereal manufacturing	<1	31,016	70,557	276,722
Beet sugar manufacturing	<1	23,868	43,019	169,335
Sugar cane mills and refining	<1	70,668	168,938	728,681
Nonchocolate confectionery manufacturing	3	236,616	346,199	1,286,442
Chocolate and confectionery manufacturing from cacao beans	2	173,478	255,930	1,037,575
Confectionery manufacturing from purchased chocolate	2	133,460	180,159	711,597
Frozen fruits, juices and vegetables manufacturing	2	206,739	381,613	1,274,559
Frozen specialties manufacturing	6	382,484	511,175	1,976,150
Canned fruits and vegetables manufacturing	8	563,852	1,051,825	4,273,604

Appendix

Canned specialties	<1	52,105	113,155	500,741
Dehydrated food products manufacturing	2	143,453	236,662	926,547
Cheese manufacturing	9	642,871	917,566	8,140,443
Dry, condensed, and evaporated dairy product manufacturing	1	116,834	255,567	1,235,455
Fluid milk manufacturing	3	301,437	461,255	2,277,065
Creamery butter manufacturing	<1	23,888	90,429	486,103
Ice cream and frozen dessert manufacturing	1	87,569	120,943	456,399
Frozen cakes and other pastries manufacturing	12	530,866	744,577	1,226,411
Poultry processing	9	426,788	547,776	2,610,275
Animal, except poultry, slaughtering	6	390,526	509,342	3,643,920
Meat processed from carcasses	8	518,479	537,934	3,686,489
Rendering and meat byproduct processing	1	87,260	95,590	439,567
Seafood product preparation and packaging	1	89,686	115,498	498,918
Bread and bakery product, except frozen, manufacturing	26	1,224,489	1,681,777	3,902,251
Cookie and cracker manufacturing	3	175,997	258,109	884,273
Dry pasta, mixes, and dough manufacturing	2	128,066	258,087	1,053,047
Tortilla manufacturing	2	96,002	116,376	373,457
Roasted nuts and peanut butter manufacturing	2	205,347	494,447	1,346,676
Other snack food manufacturing	4	303,397	551,291	1,922,930
Coffee and tea manufacturing	2	113,722	202,178	1,038,615
Flavoring syrup and concentrate manufacturing	2	184,474	1,132,783	2,809,299
Mayonnaise, dressing, and sauce manufacturing	2	161,918	282,591	1,110,631
Spice and extract manufacturing	2	245,100	394,900	1,547,493
All other food manufacturing	10	704,164	993,592	4,121,086
Bottled and canned soft drinks & water	5	475,417	735,664	2,917,969
Manufactured ice	<1	25,226	14,828	49,457
Breweries	7	450,835	1,101,015	2,700,483
Wineries	12	1,160,099	1,774,914	4,447,748
Distilleries	<1	109,187	680,576	1,170,977
Tobacco product manufacturing	<1	9,921	381,367	514,406
Fiber, yarn, and thread mills	<1	37,116	61,987	249,365
Broadwoven fabric mills	<1	51,597	89,941	252,244
Narrow fabric mills and schiffli machine embroidery	<1	18,402	20,551	55,939

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Nonwoven fabric mills	<1	26,268	47,675	167,383
Knit fabric mills	<1	39,501	50,866	166,126
Textile and fabric finishing mills	4	226,311	289,826	1,065,319
Fabric coating mills	<1	50,981	64,341	215,115
Carpet and rug mills	1	80,422	152,512	446,857
Curtain and linen mills	2	92,086	120,598	342,283
Textile bag and canvas mills	2	120,791	145,353	363,573
Rope, cordage, twine, tire cord and tire fabric mills	<1	7,819	12,110	32,571
Other textile product mills	2	132,710	160,952	396,160
Hosiery and sock mills	<1	42,642	55,199	90,791
Other apparel knitting mills	<1	44,721	53,866	102,928
Cut and sew apparel contractors	9	387,545	406,818	748,515
Mens and boys cut and sew apparel manufacturing	3	251,782	284,211	496,783
Womens and girls cut and sew apparel manufacturing	7	401,784	516,643	1,299,702
Other cut and sew apparel manufacturing	3	174,423	214,716	481,741
Apparel accessories and other apparel manufacturing	2	132,079	163,480	340,947
Leather and hide tanning and finishing	<1	4,744	6,877	29,958
Footwear manufacturing	<1	36,735	40,583	99,101
Other leather and allied product manufacturing	1	51,377	54,276	132,079
Sawmills	2	121,312	193,206	636,923
Wood preservation	<1	11,253	31,947	122,822
Veneer and plywood manufacturing	<1	12,708	20,708	67,725
Engineered wood member and truss manufacturing	<1	48,013	72,224	213,009
Reconstituted wood product manufacturing	<1	8,528	20,591	68,582
Wood windows and door manufacturing	2	140,651	196,778	543,196
Cut stock, resawing lumber, and planing	<1	20,398	36,730	101,404
Other millwork, including flooring	2	90,812	145,317	374,383
Wood container and pallet manufacturing	2	114,851	158,228	421,771
Manufactured home (mobile home) manufacturing	<1	94	121	347
Prefabricated wood building manufacturing	<1	6,832	9,370	26,959
All other miscellaneous wood product manufacturing	<1	46,274	70,721	187,968
Pulp mills	0	0	0	0

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Paper mills	1	99,487	190,519	737,078
Paperboard mills	<1	59,338	128,797	518,576
Paperboard container manufacturing	11	1,033,485	1,546,866	5,997,751
Paper bag and coated and treated paper manufacturing	3	254,590	430,020	1,455,720
Stationery product manufacturing	<1	38,199	55,269	200,835
Sanitary paper product manufacturing	<1	103,407	264,996	816,735
All other converted paper product manufacturing	<1	58,333	83,459	270,722
Printing	24	1,549,373	2,258,230	4,421,806
Support activities for printing	3	192,702	258,161	410,693
Petroleum refineries	3	941,740	5,551,034	23,038,666
Asphalt paving mixture and block manufacturing	<1	10,455	15,446	54,456
Asphalt shingle and coating materials manufacturing	<1	11,467	37,518	91,735
Petroleum lubricating oil and grease manufacturing	<1	79,236	249,584	645,905
All other petroleum and coal products manufacturing	<1	8,518	28,330	72,017
Petrochemical manufacturing	<1	6,716	68,820	123,998
Industrial gas manufacturing	3	484,838	1,212,921	3,208,813
Synthetic dye and pigment manufacturing	<1	55,790	138,189	465,634
Other basic inorganic chemical manufacturing	1	178,827	515,779	1,376,368
Other basic organic chemical manufacturing	1	132,738	319,396	2,056,377
Plastics material and resin manufacturing	2	177,749	355,309	2,593,887
Synthetic rubber manufacturing	<1	12,056	21,668	131,614
Artificial and synthetic fibers and filaments manufacturing	<1	25,202	40,597	193,246
Nitrogenous fertilizer manufacturing	<1	62,364	192,935	589,147
Phosphatic fertilizer manufacturing	<1	22,241	58,052	176,712
Fertilizer mixing	<1	38,841	96,457	287,068
Pesticide and other agricultural chemical manufacturing	<1	36,523	133,429	453,848
Medicinal and botanical manufacturing	4	874,330	1,744,251	3,419,642
Pharmaceutical preparation manufacturing	25	5,374,813	23,542,303	45,596,790
In-vitro diagnostic substance manufacturing	4	625,544	1,040,812	2,095,786

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Biological product (except diagnostic) manufacturing	2	417,130	1,088,891	1,842,634
Paint and coating manufacturing	2	219,486	530,050	1,837,206
Adhesive manufacturing	2	202,435	398,004	1,198,240
Soap and other detergent manufacturing	2	341,434	1,495,133	3,556,040
Polish and other sanitation good manufacturing	3	478,916	869,876	1,839,984
Surface active agent manufacturing	<1	15,368	70,977	163,536
Toilet preparation manufacturing	7	629,333	2,706,288	6,359,708
Printing ink manufacturing	1	117,694	132,306	535,044
Explosives manufacturing	<1	23,235	27,924	88,409
Custom compounding of purchased resins	1	88,119	191,016	645,767
Photographic film and chemical manufacturing	<1	69,845	199,287	627,944
Other miscellaneous chemical product manufacturing	3	269,186	546,974	1,987,223
Plastics packaging materials and unlaminated film and sheet manufacturing	6	461,899	721,388	2,745,055
Unlaminated plastics profile shape manufacturing	2	201,341	405,390	1,155,285
Plastics pipe and pipe fitting manufacturing	2	101,679	249,344	886,632
Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	69,472	120,120	351,757
Polystyrene foam product manufacturing	2	108,307	173,434	642,400
Urethane and other foam product (except polystyrene) manufacturing	3	186,167	285,130	1,054,398
Plastics bottle manufacturing	4	362,250	549,474	1,895,940
Other plastics product manufacturing	19	1,368,983	1,916,133	5,641,678
Tire manufacturing	<1	25,223	36,932	162,806
Rubber and plastics hoses and belting manufacturing	<1	38,674	54,729	169,269
Other rubber product manufacturing	10	655,516	888,634	3,166,956
Pottery, ceramics, and plumbing fixture manufacturing	<1	24,329	32,597	79,141
Brick, tile, and other structural clay product manufacturing	<1	26,533	42,197	106,129
Flat glass manufacturing	<1	38,461	71,465	185,744
Other pressed and blown glass and glassware manufacturing	2	166,638	266,920	626,346
Glass container manufacturing	1	111,182	165,916	425,638

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Glass product manufacturing made of purchased glass	4	240,532	380,158	917,674
Cement manufacturing	<1	38,181	82,228	222,716
Ready-mix concrete manufacturing	2	141,272	222,879	683,922
Concrete block and brick manufacturing	<1	34,138	55,686	140,949
Concrete pipe manufacturing	<1	6,381	10,035	25,634
Other concrete product manufacturing	1	71,732	95,361	227,169
Lime manufacturing	<1	2,064	4,607	12,550
Gypsum product manufacturing	<1	70,093	164,196	459,248
Abrasive product manufacturing	<1	18,233	44,211	80,870
Cut stone and stone product manufacturing	<1	33,790	39,265	83,222
Ground or treated mineral and earth manufacturing	<1	14,444	35,091	81,731
Mineral wool manufacturing	<1	51,077	106,238	238,386
Miscellaneous nonmetallic mineral products manufacturing	<1	26,713	63,647	130,900
Iron and steel mills and ferroalloy manufacturing	2	258,618	364,041	2,894,824
Iron, steel pipe and tube manufacturing from purchased steel	1	138,756	175,508	781,900
Rolled steel shape manufacturing	<1	27,127	40,206	294,526
Steel wire drawing	<1	35,905	41,777	203,713
Alumina refining and primary aluminum production	<1	59,915	72,062	210,592
Secondary smelting and alloying of aluminum	<1	44,778	65,182	582,007
Aluminum sheet, plate, and foil manufacturing	<1	36,847	56,045	455,214
Other aluminum rolling, drawing and extruding	2	173,042	204,668	1,016,208
Nonferrous metal (exc aluminum) smelting and refining	<1	3,476	7,872	46,837
Copper rolling, drawing, extruding and alloying	<1	26,433	33,181	317,556
Nonferrous metal, except copper and aluminum, shaping	1	104,827	114,938	560,525
Secondary processing of other nonferrous metals	<1	28,069	30,951	229,179
Ferrous metal foundries	2	168,088	198,926	597,587
Nonferrous metal foundries	4	286,015	341,404	1,005,115
Custom roll forming	<1	40,001	63,712	296,048
Crown and closure manufacturing and metal stamping	4	280,539	348,387	924,656
Iron and steel forging	2	150,989	235,373	764,855

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Nonferrous forging	1	91,390	127,876	391,928
Cutlery, utensil, pot, and pan manufacturing	<1	47,363	119,757	323,226
Handtool manufacturing	2	143,757	227,864	510,301
Prefabricated metal buildings and components manufacturing	<1	32,805	42,180	130,242
Fabricated structural metal manufacturing	3	259,752	363,659	1,083,916
Plate work manufacturing	<1	61,491	67,514	200,186
Metal window and door manufacturing	3	202,847	266,460	677,466
Sheet metal work manufacturing	4	313,876	404,621	1,028,735
Ornamental and architectural metal work manufacturing	2	157,593	197,366	477,051
Power boiler and heat exchanger manufacturing	<1	4,923	6,780	18,781
Metal tank (heavy gauge) manufacturing	<1	29,386	36,307	98,447
Metal cans manufacturing	1	121,623	259,738	1,108,338
Metal barrels, drums and pails manufacturing	<1	52,150	63,745	222,340
Hardware manufacturing	1	121,143	182,038	516,733
Spring and wire product manufacturing	3	201,060	259,309	741,334
Machine shops	19	1,424,832	1,718,820	3,439,002
Turned product and screw, nut, and bolt manufacturing	5	433,326	611,708	1,510,119
Metal heat treating	2	144,732	203,119	477,012
Metal coating and nonprecious engraving	4	223,381	375,903	972,443
Electroplating, anodizing, and coloring metal	6	383,747	433,569	961,414
Valve and fittings, other than plumbing, manufacturing	2	172,096	264,669	645,565
Plumbing fixture fitting and trim manufacturing	1	82,463	214,727	650,625
Ball and roller bearing manufacturing	1	128,335	220,161	509,303
Small arms ammunition manufacturing	<1	10,166	20,327	41,630
Ammunition, except for small arms, manufacturing	<1	3,836	4,628	9,537
Small arms, ordnance, and accessories manufacturing	<1	59,960	107,026	208,124
Fabricated pipe and pipe fitting manufacturing	<1	23,031	27,837	75,758
Other fabricated metal manufacturing	4	299,155	384,879	933,433
Farm machinery and equipment manufacturing	<1	20,077	39,588	128,771

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Lawn and garden equipment manufacturing	<1	1,341	2,885	14,518
Construction machinery manufacturing	<1	1,022	2,911	8,430
Mining machinery and equipment manufacturing	<1	262	465	1,097
Oil and gas field machinery and equipment manufacturing	<1	2,074	3,957	11,724
Semiconductor machinery manufacturing	<1	65,202	79,451	172,134
Food product machinery manufacturing	<1	5,198	6,498	19,632
Sawmill, woodworking, and paper machinery	<1	8,559	10,175	27,876
Printing machinery and equipment manufacturing	<1	5,388	6,278	17,192
All other industrial machinery manufacturing	<1	23,607	33,265	81,189
Optical instrument and lens manufacturing	<1	39,882	62,648	129,256
Photographic and photocopying equipment manufacturing	<1	22,999	34,025	97,873
Other commercial service industry machinery manufacturing	<1	76,575	144,841	346,540
Air purification and ventilation equipment manufacturing	<1	18,784	29,091	77,369
Heating equipment (except warm air furnaces) manufacturing	<1	79,530	141,844	323,141
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	81,573	174,435	459,903
Industrial mold manufacturing	<1	19,038	23,757	48,811
Special tool, die, jig, and fixture manufacturing	<1	21,384	31,369	57,627
Cutting tool and machine tool accessory manufacturing	<1	24,411	29,124	67,822
Machine tool manufacturing	<1	15,995	22,379	63,674
Rolling mill and other metalworking machinery manufacturing	<1	11,323	14,633	36,886
Turbine and turbine generator set units manufacturing	<1	23,928	34,112	81,133
Speed changer, industrial high-speed drive, and gear manufacturing	<1	45,514	77,578	151,525
Mechanical power transmission equipment manufacturing	<1	23,999	43,971	100,891
Other engine equipment manufacturing	<1	35,289	92,126	280,032

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Pump and pumping equipment manufacturing	<1	14,258	29,191	72,727
Air and gas compressor manufacturing	<1	2,005	4,528	14,425
Elevator and moving stairway manufacturing	<1	2,944	4,816	14,479
Conveyor and conveying equipment manufacturing	<1	3,629	4,309	12,258
Overhead cranes, hoists, and monorail systems manufacturing	<1	528	1,212	3,532
Industrial truck, trailer, and stacker manufacturing	<1	3,094	5,704	18,680
Power-driven handtool manufacturing	<1	9,233	28,860	76,700
Welding and soldering equipment manufacturing	<1	14,309	23,219	55,074
Packaging machinery manufacturing	<1	48,267	77,087	192,588
Industrial process furnace and oven manufacturing	<1	4,582	5,776	12,879
Fluid power cylinder and actuator manufacturing	<1	9,136	14,309	38,947
Fluid power pump and motor manufacturing	<1	120,068	217,700	527,610
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	16,764	22,221	53,573
Electronic computer manufacturing	2	802,563	1,595,311	3,226,218
Computer storage device manufacturing	<1	147,337	352,498	1,082,055
Computer terminals and other computer peripheral equipment manufacturing	2	295,946	488,220	996,999
Telephone apparatus manufacturing	<1	37,378	56,527	143,101
Broadcast and wireless communications equipment manufacturing	<1	106,697	160,291	337,339
Other communications equipment manufacturing	<1	75,820	121,028	351,167
Audio and video equipment manufacturing	2	275,952	449,659	1,045,421
Printed circuit assembly (electronic assembly) manufacturing	6	428,959	747,237	2,522,949
Bare printed circuit board manufacturing	3	201,695	262,842	722,787
Semiconductor and related device manufacturing	15	4,032,625	6,530,730	12,146,471

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	103,512	146,318	349,708
Electronic connector manufacturing	12	1,085,595	1,626,389	4,247,023
Other electronic component manufacturing	6	530,984	707,897	1,713,287
Electromedical and electrotherapeutic apparatus manufacturing	<1	133,420	244,252	468,389
Search, detection, and navigation instruments manufacturing	<1	32,503	54,124	101,296
Automatic environmental control manufacturing	3	305,041	399,635	745,512
Industrial process variable instruments manufacturing	<1	79,890	123,932	287,223
Totalizing fluid meter and counting device manufacturing	<1	19,926	41,391	91,434
Electricity and signal testing instruments manufacturing	<1	132,617	205,278	501,340
Analytical laboratory instrument manufacturing	2	342,417	572,369	1,079,182
Irradiation apparatus manufacturing	<1	6,341	12,244	28,860
Watch, clock, and other measuring and controlling device manufacturing	3	333,656	596,676	1,172,173
Blank magnetic and optical recording media manufacturing	<1	211,941	598,553	1,347,696
Software and other prerecorded and record reproducing	<1	96,326	137,007	227,211
Electric lamp bulb and part manufacturing	<1	53,399	109,114	260,218
Lighting fixture manufacturing	5	528,905	753,850	1,914,403
Small electrical appliance manufacturing	<1	53,779	119,274	290,364
Household cooking appliance manufacturing	<1	21,979	51,441	147,747
Household refrigerator and home freezer manufacturing	<1	23,517	57,315	158,264
Household laundry equipment manufacturing	<1	54,820	101,001	368,237
Other major household appliance manufacturing	<1	9,412	24,682	63,360
Power, distribution, and specialty transformer manufacturing	<1	21,572	32,405	75,650
Motor and generator manufacturing	<1	39,681	66,166	190,425
Switchgear and switchboard apparatus manufacturing	<1	68,541	116,662	285,716

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Relay and industrial control manufacturing	1	165,725	230,926	550,908
Storage battery manufacturing	2	180,136	246,731	638,892
Primary battery manufacturing	<1	69,745	185,530	238,805
Fiber optic cable manufacturing	2	375,422	462,182	1,273,960
Other communication and energy wire manufacturing	<1	29,540	44,939	168,954
Wiring device manufacturing	3	312,514	584,565	1,251,496
Carbon and graphite product manufacturing	3	223,783	385,860	1,241,780
All other miscellaneous electrical equipment and component manufacturing	2	243,522	281,717	690,314
Automobile manufacturing	2	291,270	829,239	3,212,492
Light truck and utility vehicle manufacturing	<1	158	296	7,272
Heavy duty truck manufacturing	<1	1,676	3,525	19,475
Motor vehicle body manufacturing	<1	7,329	9,319	37,088
Truck trailer manufacturing	<1	489	543	1,988
Motor home manufacturing	<1	6,947	9,539	39,958
Travel trailer and camper manufacturing	2	104,099	113,606	529,330
Motor vehicle gasoline engine and engine parts manufacturing	2	127,785	171,698	984,056
Motor vehicle electrical and electronic equipment manufacturing	2	261,204	307,708	1,019,396
Motor vehicle transmission and power train parts manufacturing	2	175,651	247,689	1,032,392
Motor vehicle seating and interior trim manufacturing	<1	13,166	15,034	89,413
Motor vehicle metal stamping	<1	47,920	56,666	256,561
Other motor vehicle parts manufacturing	4	292,235	336,277	1,998,877
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	1	71,950	107,729	523,883
Aircraft manufacturing	<1	9,562	19,898	64,166
Aircraft engine and engine parts manufacturing	1	186,548	320,065	884,477
Other aircraft parts and auxiliary equipment manufacturing	2	271,585	359,851	833,002
Guided missile and space vehicle manufacturing	1	229,816	335,298	742,004
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	32,340	43,447	88,210

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Railroad rolling stock manufacturing	<1	5,734	6,814	25,463
Ship building and repairing	<1	42,934	52,560	125,403
Boat building	<1	64,931	85,849	271,671
Motorcycle, bicycle, and parts manufacturing	1	118,805	360,196	1,078,946
Military armored vehicle, tank, and tank component manufacturing	2	299,087	581,185	1,375,572
All other transportation equipment manufacturing	1	71,527	134,539	620,417
Wood kitchen cabinet and countertop manufacturing	7	392,175	449,725	1,039,168
Upholstered household furniture manufacturing	8	417,255	458,478	1,496,538
Nonupholstered wood household furniture manufacturing	2	95,227	102,706	275,916
Other household nonupholstered furniture manufacturing	<1	52,832	70,880	258,543
Institutional furniture manufacturing	<1	3,381	3,544	10,563
Wood office furniture manufacturing	<1	3,671	4,383	12,468
Custom architectural woodwork and millwork	<1	8,062	7,404	18,307
Office furniture, except wood, manufacturing	<1	65,513	85,724	276,531
Showcase, partition, shelving, and locker manufacturing	<1	50,265	59,218	159,758
Mattress manufacturing	1	79,708	111,230	439,237
Blind and shade manufacturing	<1	26,096	26,835	101,068
Surgical and medical instrument manufacturing	2	354,471	589,846	1,046,661
Surgical appliance and supplies manufacturing	6	667,008	1,205,840	2,343,058
Dental equipment and supplies manufacturing	<1	51,837	78,114	159,931
Ophthalmic goods manufacturing	3	246,773	441,423	799,695
Dental laboratories	6	413,817	427,327	717,010
Jewelry and silverware manufacturing	3	146,063	227,587	550,723
Sporting and athletic goods manufacturing	3	271,159	359,795	933,084
Doll, toy, and game manufacturing	1	184,400	284,132	577,286
Office supplies (except paper) manufacturing	<1	59,573	81,857	200,039
Sign manufacturing	<1	29,101	26,019	59,495
Gasket, packing, and sealing device manufacturing	<1	77,044	91,875	201,695

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Musical instrument manufacturing	<1	46,454	51,075	106,233
Fasteners, buttons, needles, and pins manufacturing	<1	22,531	29,270	70,038
Broom, brush, and mop manufacturing	<1	30,380	51,164	127,716
Burial casket manufacturing	<1	1,613	1,988	4,370
All other miscellaneous manufacturing	3	246,408	320,346	694,867
Wholesale - Motor vehicle and motor vehicle parts and supplies	9	762,132	1,705,285	3,517,554
Wholesale - Professional and commercial equipment and supplies	25	3,719,770	6,158,622	9,303,432
Wholesale - Household appliances and electrical and electronic goods	11	1,396,500	3,113,980	5,946,883
Wholesale - Machinery, equipment, and supplies	14	1,348,257	2,570,830	4,217,066
Wholesale - Other durable goods merchant wholesalers	33	2,796,185	4,906,925	8,822,303
Wholesale - Drugs and druggists' sundries	13	2,055,748	5,571,796	10,171,001
Wholesale - Grocery and related product wholesalers	34	2,746,293	3,671,633	6,877,826
Wholesale - Petroleum and petroleum products	2	235,538	6,446,809	6,846,455
Wholesale - Other nondurable goods merchant wholesalers	47	4,019,563	10,290,671	16,733,450
Wholesale - Wholesale electronic markets and agents and brokers	16	1,904,040	1,986,905	2,283,871
Retail - Motor vehicle and parts dealers	33	2,277,058	3,722,442	5,144,518
Retail - Furniture and home furnishings stores	26	1,388,233	1,915,483	2,850,363
Retail - Electronics and appliance stores	26	1,606,140	1,649,243	2,600,082
Retail - Building material and garden equipment and supplies stores	28	1,429,140	2,684,961	3,753,114
Retail - Food and beverage stores	105	4,921,605	6,515,319	9,543,992
Retail - Health and personal care stores	52	2,783,653	3,532,717	5,122,343
Retail - Gasoline stores	20	1,941,531	2,543,290	3,518,507
Retail - Clothing and clothing accessories stores	59	2,197,877	3,548,413	6,243,564
Retail - Sporting goods, hobby, musical instrument and book stores	31	1,171,934	1,588,334	2,302,014
Retail - General merchandise stores	94	3,412,722	5,384,468	8,146,777

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Retail - Miscellaneous store retailers	60	2,322,106	2,857,745	4,033,472
Retail - Nonstore retailers	77	3,581,961	11,341,973	17,339,307
Air transportation	27	3,164,847	8,200,342	12,905,899
Rail transportation	5	608,096	807,356	1,841,837
Water transportation	5	654,642	1,173,733	3,923,091
Truck transportation	79	6,007,788	6,697,846	12,720,714
Transit and ground passenger transportation	132	4,572,583	7,214,698	8,138,576
Pipeline transportation	<1	237,939	529,215	609,236
Scenic and sightseeing transportation and support activities for transportation	74	5,904,856	6,387,432	11,944,185
Couriers and messengers	63	2,086,592	2,964,861	5,225,829
Warehousing and storage	65	3,071,150	3,473,257	6,319,991
Newspaper publishers	3	231,105	427,816	496,976
Periodical publishers	4	539,468	918,299	1,138,844
Book publishers	2	239,470	830,851	1,158,861
Directory, mailing list, and other publishers	<1	56,166	180,333	234,320
Greeting card publishing	<1	1,983	6,575	10,036
Software publishers	28	7,066,380	18,019,572	18,775,166
Motion picture and video industries	18	3,316,953	6,781,051	8,157,432
Sound recording industries	1	157,515	1,489,662	1,643,824
Radio and television broadcasting	7	4,975,875	5,315,291	6,017,472
Cable and other subscription programming	4	3,220,349	8,404,647	10,343,313
Wired telecommunications carriers	16	2,317,252	5,429,556	8,854,875
Wireless telecommunications carriers (except satellite)	6	765,503	6,433,689	12,671,849
Satellite, telecommunications resellers, and all other telecommunications	4	959,100	1,323,625	2,362,826
Data processing, hosting, and related services	26	5,922,094	10,186,923	17,609,111
News syndicates, libraries, archives and all other information services	3	775,454	1,248,185	1,643,257
Internet publishing and broadcasting and web search portals	30	18,614,745	36,490,968	51,366,711
Nondepository credit intermediation and related activities	41	6,871,891	9,184,602	12,514,518
Securities and commodity contracts intermediation and brokerage	57	9,202,026	7,493,446	10,341,681

Appendix

Monetary authorities and depository credit intermediation	73	9,398,481	32,077,744	42,704,219
Other financial investment activities	100	14,807,293	16,594,996	27,743,431
Direct life insurance carriers	9	1,016,757	1,804,753	2,638,316
Insurance carriers, except direct life	42	4,265,255	11,532,998	24,551,001
Insurance agencies, brokerages, and related activities	63	5,646,738	8,155,407	18,549,019
Funds, trusts, and other financial vehicles	27	1,835,058	2,508,428	8,911,842
Other real estate	527	28,481,088	73,484,000	133,695,842
Tenant-occupied housing	30	1,564,223	27,958,201	29,081,913
Owner-occupied dwellings	0	0	75,138,773	95,385,363
Automotive equipment rental and leasing	15	1,412,026	3,458,075	4,576,542
General and consumer goods rental except video tapes and discs	12	970,293	1,200,019	1,868,537
Video tape and disc rental	4	211,320	365,122	539,641
Commercial and industrial machinery and equipment rental and leasing	13	1,490,451	3,618,195	4,818,461
Lessors of nonfinancial intangible assets	2	218,553	6,116,383	6,553,658
Legal services	187	22,496,676	36,857,129	47,080,752
Accounting, tax preparation, bookkeeping, and payroll services	73	7,373,292	11,229,355	14,400,219
Architectural, engineering, and related services	111	11,588,107	13,464,776	20,981,819
Specialized design services	9	902,067	1,726,302	2,204,010
Custom computer programming services	30	4,578,546	4,551,091	5,695,447
Computer systems design services	31	4,306,134	4,007,783	4,790,417
Other computer related services, including facilities management	19	2,983,703	4,255,410	6,285,969
Management consulting services	244	28,213,433	29,815,345	42,677,776
Environmental and other technical consulting services	38	3,884,027	4,184,956	5,819,864
Scientific research and development services	3,118	470,466,990	630,275,369	960,947,226
Advertising, public relations, and related services	35	4,031,695	6,200,980	8,624,847
Photographic services	3	170,595	559,487	841,607
Veterinary services	14	814,792	1,129,462	1,576,477
Marketing research and all other miscellaneous professional, scientific, and technical services	104	11,267,885	25,927,751	36,909,939

Appendix

Management of companies and enterprises	202	32,301,221	37,306,208	55,509,445
Office administrative services	94	8,405,776	3,328,019	7,002,433
Facilities support services	21	1,578,990	2,225,017	4,003,226
Employment services	407	22,675,217	32,005,826	43,447,610
Business support services	42	2,811,228	2,359,449	3,554,850
Travel arrangement and reservation services	23	1,578,378	1,987,167	4,134,972
Investigation and security services	59	2,896,850	2,823,919	3,854,015
Services to buildings	86	3,746,448	4,985,274	8,072,545
Landscape and horticultural services	55	2,682,192	3,200,358	5,221,711
Other support services	21	1,389,927	1,708,215	2,850,798
Waste management and remediation services	18	1,568,658	2,697,226	4,520,821
Elementary and secondary schools	56	3,477,380	2,919,971	3,297,852
Junior colleges, colleges, universities, and professional schools	147	9,661,186	12,807,781	15,726,093
Other educational services	48	2,104,883	2,380,268	4,317,851
Offices of physicians	122	13,164,236	14,087,748	19,658,189
Offices of dentists	52	3,415,740	4,712,085	6,532,610
Offices of other health practitioners	42	2,248,848	3,758,261	4,885,992
Outpatient care centers	56	5,688,357	5,422,600	8,078,083
Medical and diagnostic laboratories	13	1,386,505	2,287,906	2,908,107
Home health care services	51	2,517,560	2,470,789	3,128,733
Other ambulatory health care services	15	963,829	1,129,483	1,747,076
Hospitals	200	22,543,253	25,968,395	43,681,488
Nursing and community care facilities	78	4,030,075	4,297,435	6,950,253
Residential mental retardation, mental health, substance abuse and other facilities	35	1,780,175	1,855,721	2,728,852
Individual and family services	233	5,885,257	5,657,436	8,624,518
Child day care services	40	1,643,472	2,829,285	3,377,629
Community food, housing, and other relief services, including rehabilitation services	44	1,680,861	1,685,787	3,518,477
Performing arts companies	18	1,205,583	1,426,667	1,857,446
Commercial Sports Except Racing	27	1,998,567	563,569	1,088,836
Racing and Track Operation	2	142,402	209,544	282,826
Independent artists, writers, and performers	30	2,416,126	4,235,929	5,413,508

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Promoters of performing arts and sports and agents for public figures	27	1,680,958	2,241,796	3,428,534
Museums, historical sites, zoos, and parks	6	391,890	443,170	698,965
Amusement parks and arcades	11	502,662	647,567	907,839
Gambling industries (except casino hotels)	24	1,223,504	2,753,603	3,934,980
Other amusement and recreation industries	24	922,848	888,093	1,527,851
Fitness and recreational sports centers	29	846,958	927,386	1,595,540
Bowling centers	3	100,813	131,701	212,565
Hotels and motels, including casino hotels	257	12,855,549	21,238,270	31,306,511
Other accommodations	73	4,736,422	6,389,984	7,866,860
Full-service restaurants	273	9,584,511	14,465,022	21,839,775
Limited-service restaurants	233	6,876,755	11,238,576	20,705,808
All other food and drinking places	172	6,959,954	9,666,670	13,434,231
Automotive repair and maintenance, except car washes	101	7,119,157	6,832,362	9,890,369
Car washes	48	2,951,605	4,432,926	6,436,533
Electronic and precision equipment repair and maintenance	30	2,735,832	3,407,910	4,938,148
Commercial and industrial machinery and equipment repair and maintenance	21	2,009,161	1,738,688	2,507,331
Personal and household goods repair and maintenance	14	867,956	1,376,589	1,899,203
Personal care services	90	2,940,992	2,307,113	3,123,716
Death care services	19	801,230	313,371	507,372
Dry-cleaning and laundry services	49	1,891,483	671,828	1,055,616
Other personal services	58	2,259,182	2,568,237	3,602,797
Religious organizations	93	5,289,753	1,096,196	6,629,501
Grantmaking, giving, and social advocacy organizations	33	2,466,689	5,703,095	8,927,812
Business and professional associations	10	1,172,356	1,639,161	2,628,252
Labor and civic organizations	39	1,531,466	3,200,841	5,622,299
Private households	63	1,369,143	1,369,143	1,369,143
Postal service	24	2,397,814	2,399,202	2,540,898
Federal electric utilities	0	0	0	0
Other federal government enterprises	11	571,535	649,347	2,732,279
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	0	0	0	0
Local government passenger transit	7	1,074,913	-1,955,680	103,409
Local government electric utilities	6	1,086,215	1,996,552	3,493,261
Other local government enterprises	45	5,362,921	7,428,318	14,794,097
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	100	20,340,326	21,213,566	48,530,873

Investments in Climate Change Research and Technology

Table 642: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, California

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>9,972</i>	<i>841,090,189</i>	<i>1,290,984,783</i>	<i>2,252,439,195</i>
Oilseed farming	<1	92,346	167,687	214,438
Grain farming	3	379,113	488,052	1,586,272
Vegetable and melon farming	5	354,347	577,316	1,049,516
Fruit farming	11	527,567	921,844	1,310,872
Tree nut farming	5	237,121	436,558	627,240
Greenhouse, nursery, and floriculture production	6	303,974	419,034	768,113
Tobacco farming	0	0	0	0
Cotton farming	<1	47,829	63,929	112,553
Sugarcane and sugar beet farming	<1	60,094	80,482	149,553
All other crop farming	14	294,725	390,618	719,200
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	13	685,093	1,421,882	3,706,171

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Dairy cattle and milk production	5	354,906	639,726	2,972,704
Poultry and egg production	2	95,207	140,075	1,579,532
Animal production, except cattle and poultry and eggs	2	322,728	488,931	660,659
Forestry, forest products, and timber tract production	<1	60,754	63,682	74,945
Commercial logging	2	151,631	154,643	220,343
Commercial fishing	2	40,033	75,863	78,596
Commercial hunting and trapping	<1	1,799	47,444	48,978
Support activities for agriculture and forestry	32	1,539,139	1,544,857	1,815,733
Oil and gas extraction	8	583,321	2,249,175	4,839,448
Coal mining	<1	3,575	11,902	24,188
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	30,651	59,054	110,621
Gold ore mining	<1	62,663	124,572	269,121
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	13,003	23,941	48,938
Stone mining and quarrying	<1	21,435	83,927	151,720
Sand and gravel mining	<1	58,865	132,184	240,714
Other clay, ceramic, refractory minerals mining	<1	11,158	24,125	46,838
Potash, soda, and borate mineral mining	<1	16,088	28,147	54,045
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	5,789	15,483	31,046
Other nonmetallic minerals	<1	12,722	26,602	53,359
Drilling oil and gas wells	<1	412	838	1,742
Support activities for oil and gas operations	<1	3,490	5,602	10,698
Metal mining services	<1	22,183	101,965	235,503
Other nonmetallic minerals services	<1	820	3,162	6,852
Electric power generation - Hydroelectric	<1	123,060	341,802	569,560
Electric power generation - Fossil fuel	4	794,707	2,919,059	6,102,679
Electric power generation - Nuclear	<1	159,469	332,189	573,570
Electric power generation - Solar	<1	39,201	141,560	243,113
Electric power generation - Wind	<1	78,824	611,272	1,013,502
Electric power generation - Geothermal	<1	25,713	62,888	111,342

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Electric power generation - Biomass	<1	24,929	100,386	229,476
Electric power generation - All other	<1	44,160	34,174	77,342
Electric power transmission and distribution	9	1,719,303	5,580,900	12,043,013
Natural gas distribution	7	1,469,783	3,955,758	7,062,585
Water, sewage and other systems	2	288,706	555,867	882,904
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	77,964	92,729	165,564
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	29	2,176,941	3,422,940	6,867,962
Maintenance and repair construction of residential structures	14	1,006,901	1,534,498	3,090,018
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,453	2,299	4,592
Dog and cat food manufacturing	2	153,794	421,549	1,749,849
Other animal food manufacturing	3	250,771	480,990	3,270,464
Flour milling	<1	68,121	123,815	815,462
Rice milling	<1	31,473	50,318	306,770
Malt manufacturing	<1	1,035	1,833	13,610
Wet corn milling	1	134,365	324,879	2,055,155
Soybean and other oilseed processing	<1	57,990	290,323	3,180,754
Fats and oils refining and blending	<1	50,067	94,874	868,483
Breakfast cereal manufacturing	<1	25,780	56,794	243,074
Beet sugar manufacturing	<1	19,873	38,764	154,503

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Sugar cane mills and refining	<1	43,369	102,512	464,705
Nonchocolate confectionery manufacturing	2	144,294	213,334	856,390
Chocolate and confectionery manufacturing from cacao beans	<1	76,097	111,006	470,727
Confectionery manufacturing from purchased chocolate	2	114,108	153,424	650,021
Frozen fruits, juices and vegetables manufacturing	2	149,373	264,843	1,030,119
Frozen specialties manufacturing	5	310,410	419,902	1,676,700
Canned fruits and vegetables manufacturing	5	337,095	628,026	2,628,289
Canned specialties	<1	50,390	117,052	518,068
Dehydrated food products manufacturing	1	81,881	137,017	546,552
Cheese manufacturing	6	419,925	601,575	5,297,437
Dry, condensed, and evaporated dairy product manufacturing	<1	85,845	185,409	1,036,311
Fluid milk manufacturing	3	245,230	367,664	1,895,817
Creamery butter manufacturing	<1	21,847	91,265	499,663
Ice cream and frozen dessert manufacturing	1	81,579	109,217	463,546
Frozen cakes and other pastries manufacturing	11	445,988	629,336	1,065,481
Poultry processing	12	558,238	678,493	3,405,087
Animal, except poultry, slaughtering	7	479,019	616,306	4,506,925
Meat processed from carcasses	6	385,179	392,998	2,785,636
Rendering and meat byproduct processing	<1	66,150	71,486	343,506
Seafood product preparation and packaging	2	110,129	136,515	659,554
Bread and bakery product, except frozen, manufacturing	23	1,052,396	1,449,302	3,426,211
Cookie and cracker manufacturing	2	114,230	157,485	622,489
Dry pasta, mixes, and dough manufacturing	1	95,246	193,902	750,288
Tortilla manufacturing	1	81,437	100,574	338,317
Roasted nuts and peanut butter manufacturing	2	136,016	309,745	930,192
Other snack food manufacturing	3	242,058	449,487	1,580,999
Coffee and tea manufacturing	2	110,047	189,610	999,115
Flavoring syrup and concentrate manufacturing	<1	99,822	658,443	1,594,594
Mayonnaise, dressing, and sauce manufacturing	2	127,462	231,438	950,612
Spice and extract manufacturing	2	151,600	235,855	1,011,215
All other food manufacturing	7	428,775	607,880	2,672,717

Appendix

Bottled and canned soft drinks & water	4	411,632	621,443	2,569,269
Manufactured ice	<1	20,051	10,934	42,784
Breweries	6	427,066	985,817	2,494,524
Wineries	6	539,089	821,890	2,207,756
Distilleries	<1	89,953	508,983	949,999
Tobacco product manufacturing	<1	7,094	201,774	308,865
Fiber, yarn, and thread mills	<1	36,196	50,179	248,883
Broadwoven fabric mills	<1	60,435	88,488	281,884
Narrow fabric mills and schiffli machine embroidery	<1	9,394	10,236	29,507
Nonwoven fabric mills	<1	14,199	24,583	97,075
Knit fabric mills	<1	15,031	19,040	63,848
Textile and fabric finishing mills	2	93,589	120,286	464,190
Fabric coating mills	<1	22,925	30,232	111,179
Carpet and rug mills	<1	59,221	90,740	347,579
Curtain and linen mills	1	63,723	80,350	250,518
Textile bag and canvas mills	2	84,743	99,164	265,201
Rope, cordage, twine, tire cord and tire fabric mills	<1	11,091	15,759	46,528
Other textile product mills	2	90,268	107,135	287,557
Hosiery and sock mills	<1	34,655	42,305	84,593
Other apparel knitting mills	<1	23,793	29,912	61,439
Cut and sew apparel contractors	4	179,536	189,608	369,203
Mens and boys cut and sew apparel manufacturing	2	127,270	141,708	283,900
Womens and girls cut and sew apparel manufacturing	3	164,131	210,785	570,922
Other cut and sew apparel manufacturing	2	104,586	129,568	318,602
Apparel accessories and other apparel manufacturing	2	71,356	87,418	213,230
Leather and hide tanning and finishing	<1	4,444	5,781	27,811
Footwear manufacturing	<1	38,136	40,355	117,303
Other leather and allied product manufacturing	<1	29,330	30,799	80,512
Sawmills	2	126,194	196,520	643,551
Wood preservation	<1	13,048	35,822	134,352
Veneer and plywood manufacturing	<1	20,090	32,066	102,235
Engineered wood member and truss manufacturing	<1	50,888	75,036	225,472
Reconstituted wood product manufacturing	<1	12,440	29,489	96,057
Wood windows and door manufacturing	2	141,708	196,867	556,164

Appendix

Cut stock, resawing lumber, and planing	<1	18,721	33,483	93,861
Other millwork, including flooring	1	76,938	122,195	333,663
Wood container and pallet manufacturing	2	103,087	140,858	387,983
Manufactured home (mobile home) manufacturing	<1	988	1,229	3,389
Prefabricated wood building manufacturing	<1	7,165	9,856	26,874
All other miscellaneous wood product manufacturing	<1	35,322	52,269	156,177
Pulp mills	0	0	0	0
Paper mills	1	118,156	271,603	917,765
Paperboard mills	<1	95,432	218,961	819,760
Paperboard container manufacturing	8	743,731	1,124,837	4,434,009
Paper bag and coated and treated paper manufacturing	2	197,470	359,073	1,243,494
Stationery product manufacturing	<1	29,679	44,791	171,547
Sanitary paper product manufacturing	<1	106,612	295,907	839,371
All other converted paper product manufacturing	<1	51,693	75,479	230,726
Printing	18	1,012,071	1,404,450	3,048,986
Support activities for printing	1	84,938	112,615	185,916
Petroleum refineries	3	1,013,441	5,711,445	23,939,629
Asphalt paving mixture and block manufacturing	<1	9,157	13,405	50,005
Asphalt shingle and coating materials manufacturing	<1	11,693	37,002	91,028
Petroleum lubricating oil and grease manufacturing	<1	59,487	185,314	503,291
All other petroleum and coal products manufacturing	<1	12,056	45,786	117,674
Petrochemical manufacturing	<1	21,812	237,315	465,392
Industrial gas manufacturing	<1	144,723	358,962	936,130
Synthetic dye and pigment manufacturing	<1	45,836	106,790	327,170
Other basic inorganic chemical manufacturing	1	169,388	430,252	1,196,955
Other basic organic chemical manufacturing	1	181,568	427,979	2,443,109
Plastics material and resin manufacturing	2	249,224	471,981	3,059,163
Synthetic rubber manufacturing	<1	13,133	22,984	128,206
Artificial and synthetic fibers and filaments manufacturing	<1	11,574	19,627	90,846

Appendix

Nitrogenous fertilizer manufacturing	<1	39,003	113,490	383,414
Phosphatic fertilizer manufacturing	<1	22,333	54,997	170,912
Fertilizer mixing	<1	32,913	75,693	234,392
Pesticide and other agricultural chemical manufacturing	<1	51,359	182,640	596,532
Medicinal and botanical manufacturing	2	398,659	752,346	1,651,526
Pharmaceutical preparation manufacturing	14	2,645,515	10,783,029	22,830,337
In-vitro diagnostic substance manufacturing	1	189,508	310,005	629,055
Biological product (except diagnostic) manufacturing	<1	128,935	312,723	581,100
Paint and coating manufacturing	2	185,162	417,671	1,457,395
Adhesive manufacturing	<1	110,403	202,009	678,941
Soap and other detergent manufacturing	2	195,496	756,565	2,356,468
Polish and other sanitation good manufacturing	2	249,619	426,851	1,013,603
Surface active agent manufacturing	<1	11,486	46,054	120,779
Toilet preparation manufacturing	4	348,578	1,380,466	3,446,383
Printing ink manufacturing	<1	57,537	63,990	259,218
Explosives manufacturing	<1	17,433	20,589	69,134
Custom compounding of purchased resins	<1	59,690	120,252	439,194
Photographic film and chemical manufacturing	<1	43,495	118,611	391,903
Other miscellaneous chemical product manufacturing	2	200,011	380,848	1,344,917
Plastics packaging materials and unlaminated film and sheet manufacturing	5	335,922	532,507	2,090,734
Unlaminated plastics profile shape manufacturing	2	133,887	274,215	816,438
Plastics pipe and pipe fitting manufacturing	1	87,904	221,220	746,711
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	60,755	107,673	308,783
Polystyrene foam product manufacturing	2	99,759	162,414	600,896
Urethane and other foam product (except polystyrene) manufacturing	2	150,055	233,073	881,873
Plastics bottle manufacturing	3	218,033	333,843	1,231,764
Other plastics product manufacturing	16	1,016,597	1,417,059	4,434,241

Appendix

Tire manufacturing	<1	65,022	97,193	401,472
Rubber and plastics hoses and belting manufacturing	<1	33,294	48,014	147,717
Other rubber product manufacturing	5	321,583	440,893	1,497,707
Pottery, ceramics, and plumbing fixture manufacturing	<1	18,441	25,912	59,512
Brick, tile, and other structural clay product manufacturing	<1	23,805	39,604	93,952
Flat glass manufacturing	<1	27,037	54,268	135,850
Other pressed and blown glass and glassware manufacturing	1	95,756	162,667	374,578
Glass container manufacturing	1	94,215	146,342	358,909
Glass product manufacturing made of purchased glass	2	170,425	281,216	657,990
Cement manufacturing	<1	34,327	79,104	206,205
Ready-mix concrete manufacturing	2	127,947	209,271	632,362
Concrete block and brick manufacturing	<1	23,774	41,738	100,390
Concrete pipe manufacturing	<1	6,073	9,992	23,878
Other concrete product manufacturing	<1	69,481	95,776	221,563
Lime manufacturing	<1	3,413	7,438	20,098
Gypsum product manufacturing	<1	51,936	134,720	354,188
Abrasive product manufacturing	<1	12,097	32,150	57,061
Cut stone and stone product manufacturing	<1	28,461	33,304	70,843
Ground or treated mineral and earth manufacturing	<1	15,557	39,612	89,781
Mineral wool manufacturing	<1	29,645	65,323	147,035
Miscellaneous nonmetallic mineral products manufacturing	<1	14,803	40,724	83,605
Iron and steel mills and ferroalloy manufacturing	2	259,464	425,345	2,874,411
Iron, steel pipe and tube manufacturing from purchased steel	<1	89,527	131,939	556,868
Rolled steel shape manufacturing	<1	30,738	52,192	307,443
Steel wire drawing	<1	26,573	35,481	156,607
Alumina refining and primary aluminum production	<1	43,639	59,616	190,875
Secondary smelting and alloying of aluminum	<1	31,794	50,951	444,685
Aluminum sheet, plate, and foil manufacturing	<1	34,891	59,703	406,584
Other aluminum rolling, drawing and extruding	1	102,704	135,941	650,641

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	8,068	22,148	113,264
Copper rolling, drawing, extruding and alloying	<1	26,461	35,144	352,924
Nonferrous metal, except copper and aluminum, shaping	<1	53,304	61,998	280,406
Secondary processing of other nonferrous metals	<1	17,919	29,162	171,784
Ferrous metal foundries	2	138,295	188,940	510,046
Nonferrous metal foundries	2	143,879	185,410	535,106
Custom roll forming	<1	21,061	34,876	159,027
Crown and closure manufacturing and metal stamping	3	185,928	232,341	641,295
Iron and steel forging	<1	78,802	124,763	407,723
Nonferrous forging	<1	38,750	55,277	177,412
Cutlery, utensil, pot, and pan manufacturing	<1	27,114	67,114	189,737
Handtool manufacturing	1	67,701	107,052	253,142
Prefabricated metal buildings and components manufacturing	<1	21,570	30,662	89,517
Fabricated structural metal manufacturing	3	213,683	310,348	929,199
Plate work manufacturing	<1	60,318	65,821	201,053
Metal window and door manufacturing	2	141,954	190,485	496,026
Sheet metal work manufacturing	4	273,026	357,070	937,001
Ornamental and architectural metal work manufacturing	2	126,893	162,735	408,289
Power boiler and heat exchanger manufacturing	<1	4,157	5,676	15,168
Metal tank (heavy gauge) manufacturing	<1	17,672	22,245	62,475
Metal cans manufacturing	<1	86,520	185,268	798,721
Metal barrels, drums and pails manufacturing	<1	37,623	46,160	170,218
Hardware manufacturing	<1	79,512	122,132	355,326
Spring and wire product manufacturing	1	87,584	118,007	334,703
Machine shops	12	854,326	1,038,189	2,130,537
Turned product and screw, nut, and bolt manufacturing	3	234,383	337,808	860,507
Metal heat treating	1	95,590	136,068	319,679
Metal coating and nonprecious engraving	3	170,471	292,133	747,487
Electroplating, anodizing, and coloring metal	3	218,808	248,423	554,103
Valve and fittings, other than plumbing, manufacturing	2	146,707	225,833	560,974

Appendix

Plumbing fixture fitting and trim manufacturing	<1	52,285	137,187	429,348
Ball and roller bearing manufacturing	1	89,355	158,615	382,729
Small arms ammunition manufacturing	<1	7,852	15,241	34,194
Ammunition, except for small arms, manufacturing	<1	5,992	7,213	14,948
Small arms, ordnance, and accessories manufacturing	<1	40,084	71,764	153,608
Fabricated pipe and pipe fitting manufacturing	<1	24,638	30,415	80,554
Other fabricated metal manufacturing	2	183,384	238,055	595,631
Farm machinery and equipment manufacturing	<1	9,980	19,220	64,723
Lawn and garden equipment manufacturing	<1	585	1,169	6,666
Construction machinery manufacturing	<1	1,229	3,134	10,140
Mining machinery and equipment manufacturing	<1	418	733	1,743
Oil and gas field machinery and equipment manufacturing	<1	4,267	7,898	21,656
Semiconductor machinery manufacturing	<1	17,739	21,467	48,918
Food product machinery manufacturing	<1	3,431	4,157	12,810
Sawmill, woodworking, and paper machinery	<1	4,872	5,618	16,334
Printing machinery and equipment manufacturing	<1	2,707	3,105	9,070
All other industrial machinery manufacturing	<1	14,656	19,860	49,636
Optical instrument and lens manufacturing	<1	27,091	41,696	92,903
Photographic and photocopying equipment manufacturing	<1	10,521	15,268	45,738
Other commercial service industry machinery manufacturing	<1	47,970	84,058	210,593
Air purification and ventilation equipment manufacturing	<1	28,884	41,281	113,727
Heating equipment (except warm air furnaces) manufacturing	1	76,669	127,813	333,646
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	76,004	151,518	440,262
Industrial mold manufacturing	<1	10,180	12,406	26,718
Special tool, die, jig, and fixture manufacturing	<1	10,158	14,345	27,736

Appendix

Cutting tool and machine tool accessory manufacturing	<1	13,479	15,794	37,654
Machine tool manufacturing	<1	7,752	10,401	30,302
Rolling mill and other metalworking machinery manufacturing	<1	11,659	14,054	34,915
Turbine and turbine generator set units manufacturing	<1	11,335	15,524	43,868
Speed changer, industrial high-speed drive, and gear manufacturing	<1	30,042	48,134	108,182
Mechanical power transmission equipment manufacturing	<1	19,230	33,373	81,934
Other engine equipment manufacturing	<1	53,687	121,542	497,282
Pump and pumping equipment manufacturing	<1	7,914	15,104	40,494
Air and gas compressor manufacturing	<1	5,102	10,182	32,363
Elevator and moving stairway manufacturing	<1	4,416	6,754	20,911
Conveyor and conveying equipment manufacturing	<1	3,041	3,546	10,529
Overhead cranes, hoists, and monorail systems manufacturing	<1	656	1,403	4,268
Industrial truck, trailer, and stacker manufacturing	<1	2,989	5,252	18,244
Power-driven handtool manufacturing	<1	2,365	7,140	21,386
Welding and soldering equipment manufacturing	<1	8,364	12,966	36,344
Packaging machinery manufacturing	<1	22,603	34,735	90,279
Industrial process furnace and oven manufacturing	<1	2,071	2,581	6,053
Fluid power cylinder and actuator manufacturing	<1	5,903	8,975	24,009
Fluid power pump and motor manufacturing	<1	23,890	41,503	108,561
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	9,107	11,685	30,479
Electronic computer manufacturing	1	501,827	977,699	2,002,083
Computer storage device manufacturing	<1	60,232	143,767	437,849
Computer terminals and other computer peripheral equipment manufacturing	2	418,679	674,417	1,400,665
Telephone apparatus manufacturing	<1	62,377	102,702	236,003

Appendix

Broadcast and wireless communications equipment manufacturing	<1	51,621	78,731	171,443
Other communications equipment manufacturing	<1	52,782	91,026	237,927
Audio and video equipment manufacturing	<1	110,976	183,069	443,454
Printed circuit assembly (electronic assembly) manufacturing	7	554,793	1,019,786	3,422,479
Bare printed circuit board manufacturing	2	154,572	205,914	508,593
Semiconductor and related device manufacturing	26	5,420,247	9,529,743	19,447,512
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	81,163	115,845	288,341
Electronic connector manufacturing	10	912,646	1,406,997	3,686,632
Other electronic component manufacturing	8	683,658	940,598	2,259,400
Electromedical and electrotherapeutic apparatus manufacturing	<1	64,395	120,873	237,231
Search, detection, and navigation instruments manufacturing	<1	16,398	26,684	51,578
Automatic environmental control manufacturing	<1	81,683	108,681	207,131
Industrial process variable instruments manufacturing	<1	46,542	73,973	171,029
Totalizing fluid meter and counting device manufacturing	<1	19,380	44,334	93,327
Electricity and signal testing instruments manufacturing	<1	84,388	132,180	319,449
Analytical laboratory instrument manufacturing	2	346,621	595,471	1,094,049
Irradiation apparatus manufacturing	<1	3,070	5,938	14,243
Watch, clock, and other measuring and controlling device manufacturing	<1	67,892	122,848	238,941
Blank magnetic and optical recording media manufacturing	<1	39,490	109,592	300,819
Software and other prerecorded and record reproducing	<1	41,404	59,303	117,375
Electric lamp bulb and part manufacturing	<1	30,735	56,031	150,221
Lighting fixture manufacturing	3	273,022	393,615	1,038,315
Small electrical appliance manufacturing	<1	29,931	61,521	172,971

Appendix

Household cooking appliance manufacturing	<1	16,100	32,651	100,697
Household refrigerator and home freezer manufacturing	<1	17,367	36,440	108,259
Household laundry equipment manufacturing	<1	40,925	67,638	259,581
Other major household appliance manufacturing	<1	6,992	15,581	43,250
Power, distribution, and specialty transformer manufacturing	<1	11,503	16,900	43,284
Motor and generator manufacturing	<1	40,856	65,640	191,328
Switchgear and switchboard apparatus manufacturing	<1	37,129	59,562	157,814
Relay and industrial control manufacturing	<1	94,692	127,775	320,556
Storage battery manufacturing	<1	88,301	124,173	335,997
Primary battery manufacturing	<1	46,540	67,325	157,395
Fiber optic cable manufacturing	1	132,482	161,677	514,436
Other communication and energy wire manufacturing	<1	23,170	34,253	134,183
Wiring device manufacturing	2	166,229	297,320	702,122
Carbon and graphite product manufacturing	<1	71,318	115,553	373,235
All other miscellaneous electrical equipment and component manufacturing	<1	47,371	54,960	132,161
Automobile manufacturing	2	266,563	816,012	3,150,341
Light truck and utility vehicle manufacturing	<1	445	1,204	20,012
Heavy duty truck manufacturing	<1	1,923	4,479	24,505
Motor vehicle body manufacturing	<1	8,590	11,291	41,999
Truck trailer manufacturing	<1	636	845	2,872
Motor home manufacturing	<1	11,919	18,883	76,168
Travel trailer and camper manufacturing	2	122,461	137,744	628,628
Motor vehicle gasoline engine and engine parts manufacturing	1	92,371	138,512	733,187
Motor vehicle electrical and electronic equipment manufacturing	2	246,363	327,816	1,204,218
Motor vehicle transmission and power train parts manufacturing	<1	73,463	109,718	546,296
Motor vehicle seating and interior trim manufacturing	<1	24,469	29,982	170,028
Motor vehicle metal stamping	<1	52,508	65,104	305,871
Other motor vehicle parts manufacturing	4	276,767	390,427	1,944,224

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	53,965	85,382	424,528
Aircraft manufacturing	<1	17,931	41,105	125,771
Aircraft engine and engine parts manufacturing	<1	30,959	59,588	169,988
Other aircraft parts and auxiliary equipment manufacturing	1	110,388	159,054	366,663
Guided missile and space vehicle manufacturing	<1	100,731	149,231	338,743
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	26,343	36,127	78,203
Railroad rolling stock manufacturing	<1	5,824	6,816	27,506
Ship building and repairing	<1	27,575	33,615	80,972
Boat building	1	75,585	99,300	323,402
Motorcycle, bicycle, and parts manufacturing	<1	58,828	175,498	547,323
Military armored vehicle, tank, and tank component manufacturing	2	192,933	371,826	1,100,880
All other transportation equipment manufacturing	<1	49,362	86,545	427,300
Wood kitchen cabinet and countertop manufacturing	7	366,257	457,482	1,049,631
Upholstered household furniture manufacturing	4	218,903	240,033	790,481
Nonupholstered wood household furniture manufacturing	1	70,920	78,957	214,814
Other household nonupholstered furniture manufacturing	<1	33,333	45,486	175,203
Institutional furniture manufacturing	<1	5,483	5,807	17,755
Wood office furniture manufacturing	<1	10,437	12,790	37,372
Custom architectural woodwork and millwork	<1	5,423	5,035	13,234
Office furniture, except wood, manufacturing	4	293,661	410,535	1,282,198
Showcase, partition, shelving, and locker manufacturing	<1	41,639	53,751	144,743
Mattress manufacturing	1	61,885	88,718	358,702
Blind and shade manufacturing	<1	21,328	22,176	83,133
Surgical and medical instrument manufacturing	2	204,357	334,279	650,990
Surgical appliance and supplies manufacturing	3	354,066	607,177	1,289,493
Dental equipment and supplies manufacturing	<1	29,258	43,950	94,792

Appendix

Ophthalmic goods manufacturing	2	164,745	277,217	536,277
Dental laboratories	4	241,930	249,077	423,370
Jewelry and silverware manufacturing	2	122,805	186,253	461,757
Sporting and athletic goods manufacturing	3	195,600	255,498	727,279
Doll, toy, and game manufacturing	<1	107,148	154,241	340,518
Office supplies (except paper) manufacturing	<1	54,424	72,493	201,295
Sign manufacturing	<1	29,776	25,348	60,074
Gasket, packing, and sealing device manufacturing	<1	67,188	78,770	180,459
Musical instrument manufacturing	<1	17,389	18,298	40,455
Fasteners, buttons, needles, and pins manufacturing	<1	13,339	16,661	40,710
Broom, brush, and mop manufacturing	<1	17,665	22,410	74,828
Burial casket manufacturing	<1	2,574	3,042	7,559
All other miscellaneous manufacturing	2	187,267	236,098	551,410
Wholesale - Motor vehicle and motor vehicle parts and supplies	7	565,915	1,276,039	2,619,016
Wholesale - Professional and commercial equipment and supplies	18	2,594,235	4,317,690	6,618,996
Wholesale - Household appliances and electrical and electronic goods	13	1,472,017	3,379,952	6,498,317
Wholesale - Machinery, equipment, and supplies	11	1,044,780	2,025,416	3,316,469
Wholesale - Other durable goods merchant wholesalers	26	2,225,533	3,919,682	7,096,386
Wholesale - Drugs and druggists' sundries	10	1,501,197	4,196,793	7,805,910
Wholesale - Grocery and related product wholesalers	31	2,418,707	3,268,316	6,177,002
Wholesale - Petroleum and petroleum products	3	283,427	5,280,458	5,796,983
Wholesale - Other nondurable goods merchant wholesalers	38	3,094,227	7,532,118	12,699,630
Wholesale - Wholesale electronic markets and agents and brokers	16	1,876,992	1,958,838	2,264,052
Retail - Motor vehicle and parts dealers	28	1,889,695	3,085,322	4,308,370
Retail - Furniture and home furnishings stores	22	1,100,766	1,518,130	2,307,451
Retail - Electronics and appliance stores	22	1,308,244	1,312,852	2,132,436

Appendix

Retail - Building material and garden equipment and supplies stores	23	1,131,259	2,130,002	3,005,791
Retail - Food and beverage stores	84	3,594,713	4,821,282	7,246,731
Retail - Health and personal care stores	44	2,296,149	2,900,291	4,232,161
Retail - Gasoline stores	19	1,524,004	2,129,121	3,128,368
Retail - Clothing and clothing accessories stores	50	1,685,881	2,774,855	5,096,126
Retail - Sporting goods, hobby, musical instrument and book stores	27	935,981	1,270,351	1,896,013
Retail - General merchandise stores	83	2,992,781	4,681,487	7,121,474
Retail - Miscellaneous store retailers	52	1,755,724	2,184,745	3,230,933
Retail - Nonstore retailers	60	2,765,381	8,252,332	13,073,757
Air transportation	22	2,479,763	6,038,403	9,840,798
Rail transportation	4	514,880	824,235	1,727,089
Water transportation	3	349,433	617,451	2,199,862
Truck transportation	75	5,340,845	6,084,985	11,843,405
Transit and ground passenger transportation	82	2,270,279	3,503,638	4,317,836
Pipeline transportation	1	479,075	786,139	900,959
Scenic and sightseeing transportation and support activities for transportation	49	4,027,926	4,341,222	8,045,472
Couriers and messengers	50	1,610,432	2,274,123	4,069,678
Warehousing and storage	56	2,530,137	2,858,257	5,309,409
Newspaper publishers	3	182,272	331,380	393,889
Periodical publishers	2	283,810	474,141	634,730
Book publishers	2	175,194	597,619	858,289
Directory, mailing list, and other publishers	1	99,902	299,088	392,161
Greeting card publishing	<1	1,154	3,511	5,719
Software publishers	24	5,554,994	13,763,218	14,484,952
Motion picture and video industries	15	1,930,741	3,851,674	5,726,206
Sound recording industries	<1	111,771	963,822	1,187,459
Radio and television broadcasting	7	2,413,897	2,805,201	4,558,046
Cable and other subscription programming	3	965,774	3,929,499	6,192,097
Wired telecommunications carriers	15	1,874,292	4,565,629	7,645,745
Wireless telecommunications carriers (except satellite)	4	578,743	4,618,025	9,523,100

Appendix

Satellite, telecommunications resellers, and all other telecommunications	4	675,488	988,919	1,912,517
Data processing, hosting, and related services	47	7,876,820	13,748,204	28,363,598
News syndicates, libraries, archives and all other information services	3	485,393	751,169	1,095,101
Internet publishing and broadcasting and web search portals	25	9,218,740	18,276,477	37,628,667
Nondepository credit intermediation and related activities	35	4,979,310	6,509,436	9,499,966
Securities and commodity contracts intermediation and brokerage	54	6,114,099	5,177,616	8,552,821
Monetary authorities and depository credit intermediation	65	7,826,769	24,560,239	34,713,471
Other financial investment activities	75	7,766,322	9,057,889	18,535,027
Direct life insurance carriers	10	936,982	1,571,846	2,448,207
Insurance carriers, except direct life	36	3,409,777	8,471,155	19,729,697
Insurance agencies, brokerages, and related activities	71	6,084,992	8,574,468	20,397,898
Funds, trusts, and other financial vehicles	23	1,277,803	1,684,602	7,162,872
Other real estate	392	16,847,621	45,074,694	91,759,960
Tenant-occupied housing	28	1,137,240	18,627,411	20,082,896
Owner-occupied dwellings	0	0	52,024,119	66,042,330
Automotive equipment rental and leasing	14	764,107	2,498,952	3,539,853
General and consumer goods rental except video tapes and discs	12	732,351	1,000,326	1,674,911
Video tape and disc rental	3	166,661	295,320	439,317
Commercial and industrial machinery and equipment rental and leasing	13	1,058,271	3,164,691	4,368,118
Lessors of nonfinancial intangible assets	1	160,173	4,017,673	4,325,723
Legal services	124	13,924,167	22,187,160	29,077,623
Accounting, tax preparation, bookkeeping, and payroll services	57	5,192,071	7,501,512	10,078,435
Architectural, engineering, and related services	108	10,768,936	12,116,243	19,437,101
Specialized design services	12	1,061,471	1,867,361	2,581,694
Custom computer programming services	26	3,365,300	3,393,656	4,418,156

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Computer systems design services	25	3,110,071	2,872,268	3,517,867
Other computer related services, including facilities management	13	1,849,010	2,649,312	4,087,846
Management consulting services	200	20,722,380	21,751,588	32,521,152
Environmental and other technical consulting services	24	2,289,243	2,437,418	3,471,881
Scientific research and development services	1,534	208,204,560	289,045,315	454,591,207
Advertising, public relations, and related services	27	2,659,554	3,929,281	5,907,421
Photographic services	3	128,540	369,803	615,863
Veterinary services	11	617,246	817,216	1,187,619
Marketing research and all other miscellaneous professional, scientific, and technical services	30	2,794,768	5,962,967	9,383,417
Management of companies and enterprises	134	19,424,119	22,311,338	34,573,976
Office administrative services	53	4,172,799	1,548,494	3,648,186
Facilities support services	26	1,591,672	2,285,664	4,583,631
Employment services	318	14,755,215	20,353,562	29,673,974
Business support services	47	2,747,362	2,254,817	3,660,680
Travel arrangement and reservation services	17	1,093,805	1,374,288	2,940,750
Investigation and security services	49	2,034,156	1,966,998	2,836,977
Services to buildings	86	3,294,981	4,309,650	7,480,642
Landscape and horticultural services	59	2,648,926	3,136,496	5,337,350
Other support services	20	1,188,852	1,452,374	2,556,044
Waste management and remediation services	14	1,145,044	1,969,450	3,373,144
Elementary and secondary schools	37	2,013,094	1,705,271	1,963,725
Junior colleges, colleges, universities, and professional schools	1,017	60,952,648	81,549,408	102,274,327
Other educational services	37	1,514,192	1,697,261	3,213,367
Offices of physicians	98	10,516,530	11,163,537	15,654,332
Offices of dentists	41	2,628,075	3,529,916	4,975,357
Offices of other health practitioners	34	1,822,638	2,925,669	3,850,574
Outpatient care centers	39	4,098,275	3,863,466	5,731,374
Medical and diagnostic laboratories	11	1,058,994	1,681,279	2,206,011
Home health care services	42	2,031,095	1,977,459	2,513,134
Other ambulatory health care services	12	738,999	852,901	1,339,150

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Hospitals	134	14,501,744	16,863,072	28,823,857
Nursing and community care facilities	61	2,895,732	3,082,783	5,185,140
Residential mental retardation, mental health, substance abuse and other facilities	23	1,087,634	1,130,607	1,711,311
Individual and family services	158	3,807,331	3,571,612	5,582,291
Child day care services	31	1,157,329	1,904,125	2,370,001
Community food, housing, and other relief services, including rehabilitation services	28	1,003,306	999,356	2,175,488
Performing arts companies	13	685,414	842,721	1,226,824
Commercial Sports Except Racing	22	1,403,319	425,471	839,789
Racing and Track Operation	2	92,878	142,651	224,053
Independent artists, writers, and performers	21	1,272,853	2,633,485	3,471,102
Promoters of performing arts and sports and agents for public figures	21	994,089	1,412,794	2,366,539
Museums, historical sites, zoos, and parks	5	272,544	310,616	508,120
Amusement parks and arcades	8	316,209	483,989	689,221
Gambling industries (except casino hotels)	18	820,208	1,852,334	2,758,235
Other amusement and recreation industries	21	674,829	679,109	1,223,005
Fitness and recreational sports centers	22	548,667	636,945	1,143,731
Bowling centers	2	75,057	102,152	171,235
Hotels and motels, including casino hotels	173	7,776,682	13,298,706	20,081,158
Other accommodations	42	2,380,298	3,253,689	4,099,280
Full-service restaurants	227	7,348,820	10,839,376	17,055,632
Limited-service restaurants	192	5,181,960	8,309,345	16,228,354
All other food and drinking places	128	4,615,361	6,406,028	9,242,106
Automotive repair and maintenance, except car washes	76	5,007,392	5,164,216	7,491,856
Car washes	37	2,150,225	3,259,950	4,789,883
Electronic and precision equipment repair and maintenance	389	31,673,012	38,564,082	58,752,655
Commercial and industrial machinery and equipment repair and maintenance	20	1,703,000	1,509,512	2,250,904
Personal and household goods repair and maintenance	11	619,468	1,043,585	1,455,367
Personal care services	66	2,019,834	1,685,382	2,281,288
Death care services	13	497,899	252,574	386,038

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Dry-cleaning and laundry services	40	1,386,267	640,437	948,290
Other personal services	43	1,554,397	1,803,961	2,576,472
Religious organizations	62	3,462,396	941,770	4,758,851
Grantmaking, giving, and social advocacy organizations	33	2,277,043	5,966,495	9,265,875
Business and professional associations	8	790,440	1,198,206	1,955,984
Labor and civic organizations	23	908,618	2,109,138	3,597,102
Private households	52	940,082	940,082	940,082
Postal service	20	1,896,321	1,897,281	2,013,041
Federal electric utilities	0	0	0	0
Other federal government enterprises	105	5,150,809	6,301,810	25,019,760
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	7	796,483	-1,071,470	131,004
Local government electric utilities	6	1,029,561	2,208,324	3,926,454
Other local government enterprises	42	4,458,000	7,012,328	13,942,266
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	<1	15,882	18,301	18,301
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	<1	43,767	50,545	50,545
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	466	84,829,503	99,233,082	226,871,092

Colorado

NASA

Table 643: Detailed NASA Impacts by Types of Impact, Colorado

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	26,255	1,882,644,317	2,768,802,738	5,023,561,411
Oilseed farming	<1	12,763	122,597	251,749
Grain farming	34	1,313,897	2,683,480	12,961,856
Vegetable and melon farming	12	427,630	813,623	1,620,627
Fruit farming	5	147,991	302,516	454,937
Tree nut farming	<1	304	631	912
Greenhouse, nursery, and floriculture production	16	617,724	872,783	1,562,828
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	2	95,092	130,061	248,567
All other crop farming	43	554,793	771,806	1,464,389
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	64	549,401	2,548,031	12,242,332
Dairy cattle and milk production	13	322,777	812,547	5,449,502
Poultry and egg production	2	93,110	140,812	1,362,529
Animal production, except cattle and poultry and eggs	28	729,788	2,858,812	5,020,440
Forestry, forest products, and timber tract production	1	59,306	64,883	83,326
Commercial logging	4	110,008	118,134	237,156
Commercial fishing	0	0	0	0
Commercial hunting and trapping	2	3,229	61,212	148,070
Support activities for agriculture and forestry	86	2,920,624	2,817,139	3,554,178
Oil and gas extraction	57	25,297,405	19,815,556	38,251,443
Coal mining	7	396,113	1,273,822	2,496,304
Copper, nickel, lead, and zinc mining	1	57,636	259,161	549,084
Iron ore mining	0	0	0	0
Gold ore mining	6	503,095	1,252,287	2,618,062
Silver ore mining	2	159,341	339,659	701,287
Uranium-radium-vanadium ore mining	1	87,142	242,210	543,072
Other metal ore mining	<1	36,421	73,301	151,432
Stone mining and quarrying	2	57,385	328,599	662,382
Sand and gravel mining	3	105,889	330,405	710,892

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Other clay, ceramic, refractory minerals mining	<1	3,861	11,730	26,726
Potash, soda, and borate mineral mining	<1	29,539	62,248	119,810
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	4,661	14,667	27,923
Other nonmetallic minerals	<1	47,342	131,933	230,014
Drilling oil and gas wells	<1	4,433	4,838	9,152
Support activities for oil and gas operations	1	149,398	180,362	326,543
Metal mining services	4	978,715	885,040	2,057,700
Other nonmetallic minerals services	<1	45,298	40,366	85,639
Electric power generation - Hydroelectric	<1	38,618	110,428	246,630
Electric power generation - Fossil fuel	5	683,700	2,369,884	6,729,669
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	1	156,138	476,239	954,202
Electric power generation - Wind	2	242,931	1,784,208	3,673,918
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	18,160	70,794	204,831
Electric power generation - All other	<1	7,406	4,069	12,515
Electric power transmission and distribution	40	5,630,561	17,687,846	47,354,436
Natural gas distribution	9	1,972,873	4,553,986	8,713,516
Water, sewage and other systems	4	367,291	695,422	1,361,539
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	112	7,742,683	11,954,111	25,223,287
Maintenance and repair construction of residential structures	41	2,661,459	3,988,247	8,462,061
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5,636	8,680	18,334
Dog and cat food manufacturing	4	377,529	1,166,242	4,010,106
Other animal food manufacturing	5	370,506	630,316	4,583,720
Flour milling	1	131,452	256,983	1,465,427
Rice milling	0	0	0	0
Malt manufacturing	<1	14,539	27,728	234,749
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	8,014	46,609	536,786
Fats and oils refining and blending	<1	13,703	28,993	394,631
Breakfast cereal manufacturing	6	426,834	1,106,335	4,460,872
Beet sugar manufacturing	4	289,545	644,076	2,840,906
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	1	73,484	117,311	581,843
Chocolate and confectionery manufacturing from cacao beans	<1	3,766	6,034	42,395
Confectionery manufacturing from purchased chocolate	5	244,259	348,154	1,766,495
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	4	242,172	346,916	1,361,863
Canned fruits and vegetables manufacturing	<1	16,970	36,329	202,165
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	15,181	28,750	136,784
Cheese manufacturing	6	501,665	739,211	5,556,610
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	7	664,325	1,089,010	5,103,266
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	2	122,734	175,141	740,195
Frozen cakes and other pastries manufacturing	16	551,908	816,272	1,438,080

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Poultry processing	<1	41,839	53,319	251,748
Animal, except poultry, slaughtering	30	1,748,213	2,230,990	18,181,172
Meat processed from carcasses	13	742,758	726,477	5,866,069
Rendering and meat byproduct processing	<1	29,169	34,105	156,821
Seafood product preparation and packaging	<1	10,291	13,573	96,686
Bread and bakery product, except frozen, manufacturing	42	1,845,776	2,687,399	6,239,344
Cookie and cracker manufacturing	<1	10,389	15,812	90,868
Dry pasta, mixes, and dough manufacturing	3	262,423	609,160	1,890,859
Tortilla manufacturing	3	178,623	225,825	723,899
Roasted nuts and peanut butter manufacturing	2	137,604	289,203	1,093,357
Other snack food manufacturing	6	352,597	790,352	2,813,033
Coffee and tea manufacturing	3	161,019	312,320	1,765,903
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	1	69,169	139,661	597,361
Spice and extract manufacturing	1	69,622	120,646	620,575
All other food manufacturing	9	455,095	693,315	3,270,661
Bottled and canned soft drinks & water	10	792,090	1,342,544	5,828,013
Manufactured ice	<1	31,982	20,067	82,151
Breweries	18	1,366,524	3,001,873	7,363,832
Wineries	3	109,106	188,598	909,791
Distilleries	3	181,237	1,016,546	2,474,703
Tobacco product manufacturing	<1	11,266	382,978	739,539
Fiber, yarn, and thread mills	<1	65	234	4,837
Broadwoven fabric mills	<1	355	855	8,569
Narrow fabric mills and schiffli machine embroidery	<1	539	596	2,757
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2,841	4,048	28,067
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	24,222	38,507	169,105
Curtain and linen mills	<1	13,226	16,334	42,619
Textile bag and canvas mills	2	91,042	105,903	312,898
Rope, cordage, twine, tire cord and tire fabric mills	1	63,314	90,141	301,894
Other textile product mills	1	48,491	57,305	191,572
Hosiery and sock mills	<1	7,552	11,720	38,957

Appendix

Other apparel knitting mills	<1	3,243	5,854	13,509
Cut and sew apparel contractors	1	16,173	20,204	61,578
Mens and boys cut and sew apparel manufacturing	1	22,978	30,834	113,053
Womens and girls cut and sew apparel manufacturing	<1	2,051	3,992	17,644
Other cut and sew apparel manufacturing	<1	2,767	5,160	17,974
Apparel accessories and other apparel manufacturing	<1	8,877	14,218	54,300
Leather and hide tanning and finishing	<1	1,569	3,168	28,165
Footwear manufacturing	<1	720	852	6,649
Other leather and allied product manufacturing	<1	2,330	2,558	13,145
Sawmills	2	97,397	143,304	663,854
Wood preservation	<1	49,510	120,226	520,062
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	2	103,566	145,802	482,458
Reconstituted wood product manufacturing	<1	6,851	14,814	64,786
Wood windows and door manufacturing	8	492,430	644,302	1,867,679
Cut stock, resawing lumber, and planing	<1	14,339	23,194	84,279
Other millwork, including flooring	4	180,231	265,722	812,167
Wood container and pallet manufacturing	3	133,405	171,581	548,819
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	24,183	31,481	107,819
All other miscellaneous wood product manufacturing	<1	26,670	36,909	143,788
Pulp mills	0	0	0	0
Paper mills	<1	6,256	7,045	86,640
Paperboard mills	0	0	0	0
Paperboard container manufacturing	10	817,845	890,902	4,727,082
Paper bag and coated and treated paper manufacturing	<1	52,122	57,710	362,436
Stationery product manufacturing	<1	24,754	27,546	131,914
Sanitary paper product manufacturing	<1	18,851	23,189	300,744
All other converted paper product manufacturing	<1	26,014	28,191	89,598

Appendix

Printing	57	3,272,539	4,857,972	10,067,971
Support activities for printing	2	106,080	150,666	235,140
Petroleum refineries	4	967,932	9,202,506	33,457,574
Asphalt paving mixture and block manufacturing	<1	53,812	96,091	347,093
Asphalt shingle and coating materials manufacturing	<1	40,798	190,895	357,641
Petroleum lubricating oil and grease manufacturing	<1	23,929	110,460	220,318
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	2,600	12,907	121,301
Industrial gas manufacturing	1	149,784	244,035	939,833
Synthetic dye and pigment manufacturing	<1	2,831	4,500	27,245
Other basic inorganic chemical manufacturing	1	226,694	347,646	1,165,579
Other basic organic chemical manufacturing	<1	61,022	99,714	913,230
Plastics material and resin manufacturing	<1	64,255	85,903	685,838
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	25,022	45,961	254,959
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	50,317	76,010	281,282
Pesticide and other agricultural chemical manufacturing	<1	17,463	37,940	281,505
Medicinal and botanical manufacturing	3	267,930	359,070	1,258,857
Pharmaceutical preparation manufacturing	3	506,252	1,166,996	3,932,889
In-vitro diagnostic substance manufacturing	<1	4,261	5,178	14,829
Biological product (except diagnostic) manufacturing	<1	65,807	105,836	259,194
Paint and coating manufacturing	<1	94,552	137,903	565,155
Adhesive manufacturing	1	121,962	164,239	693,287
Soap and other detergent manufacturing	2	258,311	526,635	2,157,416
Polish and other sanitation good manufacturing	3	293,413	377,632	1,298,605
Surface active agent manufacturing	<1	36,247	82,893	339,581
Toilet preparation manufacturing	2	156,540	362,012	1,506,585
Printing ink manufacturing	<1	8,480	8,843	28,302

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	9,217	13,014	34,777
Photographic film and chemical manufacturing	5	548,390	939,344	4,132,205
Other miscellaneous chemical product manufacturing	2	370,487	495,037	1,733,356
Plastics packaging materials and unlaminated film and sheet manufacturing	2	120,184	195,938	748,950
Unlaminated plastics profile shape manufacturing	2	109,692	236,826	839,518
Plastics pipe and pipe fitting manufacturing	1	79,654	210,405	678,162
Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	118,391	214,903	511,794
Polystyrene foam product manufacturing	2	198,302	329,072	922,523
Urethane and other foam product (except polystyrene) manufacturing	3	204,824	326,412	1,156,449
Plastics bottle manufacturing	1	74,493	118,745	548,566
Other plastics product manufacturing	24	1,601,298	2,306,663	7,064,409
Tire manufacturing	4	532,578	787,458	2,114,734
Rubber and plastics hoses and belting manufacturing	<1	117,044	170,823	345,815
Other rubber product manufacturing	5	391,904	547,474	1,672,312
Pottery, ceramics, and plumbing fixture manufacturing	2	160,127	269,083	485,164
Brick, tile, and other structural clay product manufacturing	1	89,715	192,919	356,642
Flat glass manufacturing	<1	69,400	189,403	357,926
Other pressed and blown glass and glassware manufacturing	2	105,044	230,595	542,915
Glass container manufacturing	2	225,054	441,459	924,561
Glass product manufacturing made of purchased glass	4	273,393	573,920	1,209,812
Cement manufacturing	<1	79,429	258,804	593,023
Ready-mix concrete manufacturing	5	418,652	878,684	2,281,597
Concrete block and brick manufacturing	1	103,408	236,181	501,729
Concrete pipe manufacturing	<1	22,234	47,197	98,720
Other concrete product manufacturing	3	175,836	288,139	633,142
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	72,291	256,422	511,380

Appendix

Abrasive product manufacturing	<1	5,111	19,280	31,467
Cut stone and stone product manufacturing	3	152,438	197,334	409,245
Ground or treated mineral and earth manufacturing	<1	16,411	58,522	116,953
Mineral wool manufacturing	<1	15,681	48,865	103,872
Miscellaneous nonmetallic mineral products manufacturing	<1	23,628	91,586	177,191
Iron and steel mills and ferroalloy manufacturing	5	486,762	863,734	5,979,570
Iron, steel pipe and tube manufacturing from purchased steel	<1	52,699	86,407	427,221
Rolled steel shape manufacturing	<1	29,846	59,879	283,259
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	102,704	194,736	942,946
Other aluminum rolling, drawing and extruding	<1	16,919	23,515	130,324
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	20,159	29,326	262,636
Nonferrous metal, except copper and aluminum, shaping	<1	18,364	21,916	77,698
Secondary processing of other nonferrous metals	<1	584	1,017	9,396
Ferrous metal foundries	<1	7,530	10,860	35,065
Nonferrous metal foundries	<1	46,231	64,612	185,772
Custom roll forming	<1	1,277	2,168	12,352
Crown and closure manufacturing and metal stamping	1	68,952	86,961	246,730
Iron and steel forging	<1	28,046	45,577	185,516
Nonferrous forging	<1	36,874	53,585	207,744
Cutlery, utensil, pot, and pan manufacturing	<1	54,996	140,705	304,203
Handtool manufacturing	<1	35,308	57,252	135,819
Prefabricated metal buildings and components manufacturing	<1	44,360	62,302	188,832
Fabricated structural metal manufacturing	5	374,646	547,653	1,704,429
Plate work manufacturing	<1	50,127	55,138	168,091
Metal window and door manufacturing	1	79,778	107,945	288,559
Sheet metal work manufacturing	4	261,996	345,722	943,903

Appendix

Ornamental and architectural metal work manufacturing	4	250,771	324,320	898,549
Power boiler and heat exchanger manufacturing	<1	116	171	725
Metal tank (heavy gauge) manufacturing	<1	34,534	43,893	128,007
Metal cans manufacturing	3	237,409	524,755	2,292,241
Metal barrels, drums and pails manufacturing	<1	35,254	43,984	186,448
Hardware manufacturing	3	225,261	349,905	957,746
Spring and wire product manufacturing	2	107,703	147,179	462,480
Machine shops	15	994,387	1,216,367	2,573,574
Turned product and screw, nut, and bolt manufacturing	3	175,846	257,544	721,311
Metal heat treating	<1	16,740	24,103	54,062
Metal coating and nonprecious engraving	3	195,140	340,662	890,397
Electroplating, anodizing, and coloring metal	2	116,376	132,773	294,757
Valve and fittings, other than plumbing, manufacturing	1	130,751	204,698	506,150
Plumbing fixture fitting and trim manufacturing	1	111,337	302,365	858,773
Ball and roller bearing manufacturing	2	145,602	262,152	751,178
Small arms ammunition manufacturing	<1	4,336	9,002	20,841
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	13,764	25,543	63,057
Fabricated pipe and pipe fitting manufacturing	<1	23,976	29,598	71,572
Other fabricated metal manufacturing	3	193,074	253,586	676,518
Farm machinery and equipment manufacturing	<1	18,768	30,108	132,351
Lawn and garden equipment manufacturing	<1	14,697	24,318	143,086
Construction machinery manufacturing	<1	3,515	7,131	26,968
Mining machinery and equipment manufacturing	<1	2,210	3,284	11,215
Oil and gas field machinery and equipment manufacturing	<1	10,190	15,618	57,485
Semiconductor machinery manufacturing	<1	7,117	8,109	25,804
Food product machinery manufacturing	<1	1,176	1,325	4,130

Appendix

Sawmill, woodworking, and paper machinery	<1	2,460	2,754	11,817
Printing machinery and equipment manufacturing	<1	4,497	4,939	17,541
All other industrial machinery manufacturing	<1	4,300	5,287	15,361
Optical instrument and lens manufacturing	6	575,883	842,054	2,141,677
Photographic and photocopying equipment manufacturing	<1	1,008	1,287	5,499
Other commercial service industry machinery manufacturing	<1	50,089	76,175	236,224
Air purification and ventilation equipment manufacturing	<1	23,161	30,365	88,542
Heating equipment (except warm air furnaces) manufacturing	<1	28,187	39,559	102,990
Air conditioning, refrigeration, and warm air heating equipment manufacturing	2	137,777	229,267	767,532
Industrial mold manufacturing	<1	26,380	29,890	65,300
Special tool, die, jig, and fixture manufacturing	<1	2,946	3,655	7,707
Cutting tool and machine tool accessory manufacturing	<1	9,873	10,915	27,283
Machine tool manufacturing	<1	10,941	13,178	37,144
Rolling mill and other metalworking machinery manufacturing	<1	5,606	6,489	16,858
Turbine and turbine generator set units manufacturing	<1	26,785	33,434	139,536
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	36,700	70,267	342,899
Pump and pumping equipment manufacturing	<1	952	1,545	6,206
Air and gas compressor manufacturing	<1	1,256	2,142	8,183
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	17,501	19,320	52,430
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,450	2,398	7,935
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	<1	3,853	8,733	25,885
Welding and soldering equipment manufacturing	<1	3,342	4,467	11,883
Packaging machinery manufacturing	<1	2,407	3,202	9,066
Industrial process furnace and oven manufacturing	<1	624	706	1,547
Fluid power cylinder and actuator manufacturing	<1	80,533	107,358	272,586
Fluid power pump and motor manufacturing	<1	4,280	6,247	18,589
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7,006	8,273	22,116
Electronic computer manufacturing	<1	50,916	99,164	225,625
Computer storage device manufacturing	<1	72,338	169,385	519,875
Computer terminals and other computer peripheral equipment manufacturing	<1	57,944	94,450	209,546
Telephone apparatus manufacturing	<1	33,524	50,008	123,054
Broadcast and wireless communications equipment manufacturing	<1	3,870	5,809	15,357
Other communications equipment manufacturing	<1	63,602	101,451	260,530
Audio and video equipment manufacturing	<1	1,726	2,923	14,243
Printed circuit assembly (electronic assembly) manufacturing	<1	68,177	116,400	387,401
Bare printed circuit board manufacturing	<1	25,941	33,707	97,789
Semiconductor and related device manufacturing	<1	60,870	101,412	348,792
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3,080	4,305	11,330
Electronic connector manufacturing	<1	506	745	1,618
Other electronic component manufacturing	<1	10,319	13,859	47,440
Electromedical and electrotherapeutic apparatus manufacturing	<1	33,601	61,800	136,621
Search, detection, and navigation instruments manufacturing	<1	5,985	9,944	17,647
Automatic environmental control manufacturing	<1	16,436	21,718	51,692

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Industrial process variable instruments manufacturing	<1	58,536	89,725	201,042
Totalizing fluid meter and counting device manufacturing	<1	12,892	26,533	62,066
Electricity and signal testing instruments manufacturing	<1	26,229	40,335	107,881
Analytical laboratory instrument manufacturing	4	474,123	789,706	1,720,275
Irradiation apparatus manufacturing	<1	119	228	655
Watch, clock, and other measuring and controlling device manufacturing	<1	53,210	95,636	243,241
Blank magnetic and optical recording media manufacturing	<1	6,308	17,908	80,225
Software and other prerecorded and record reproducing	<1	147,108	205,378	356,117
Electric lamp bulb and part manufacturing	<1	1,371	4,999	12,285
Lighting fixture manufacturing	1	71,508	163,437	384,449
Small electrical appliance manufacturing	<1	2,663	11,700	28,714
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	193	456	1,281
Motor and generator manufacturing	<1	38,729	112,929	215,623
Switchgear and switchboard apparatus manufacturing	<1	20,023	58,511	124,475
Relay and industrial control manufacturing	<1	9,304	18,465	49,671
Storage battery manufacturing	<1	45,223	98,448	214,025
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	11,291	17,348	63,131
Other communication and energy wire manufacturing	<1	5,305	12,893	35,941
Wiring device manufacturing	<1	9,340	32,985	76,577
Carbon and graphite product manufacturing	<1	9,969	28,088	69,734
All other miscellaneous electrical equipment and component manufacturing	<1	4,235	5,996	18,378
Automobile manufacturing	<1	2,036	-259	29,847

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	3,304	2,790	16,608
Truck trailer manufacturing	<1	782	538	3,783
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	4	314,088	301,146	1,284,073
Motor vehicle gasoline engine and engine parts manufacturing	<1	24,542	17,013	191,088
Motor vehicle electrical and electronic equipment manufacturing	1	80,690	77,467	570,268
Motor vehicle transmission and power train parts manufacturing	1	84,652	60,919	599,655
Motor vehicle seating and interior trim manufacturing	<1	35,780	29,546	190,495
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	2	187,977	127,062	1,055,696
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	2	127,083	88,415	736,502
Aircraft manufacturing	<1	213	489	1,493
Aircraft engine and engine parts manufacturing	<1	98	232	760
Other aircraft parts and auxiliary equipment manufacturing	<1	8,598	12,549	29,942
Guided missile and space vehicle manufacturing	<1	31,277	52,325	111,922
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,746	4,140	8,602
Railroad rolling stock manufacturing	<1	89	110	640
Ship building and repairing	0	0	0	0
Boat building	1	90,034	122,755	343,134
Motorcycle, bicycle, and parts manufacturing	<1	31,908	105,079	325,225
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	809	1,594	9,081
Wood kitchen cabinet and countertop manufacturing	5	270,098	480,141	966,812
Upholstered household furniture manufacturing	<1	4,705	5,843	20,540

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Nonupholstered wood household furniture manufacturing	2	83,302	116,434	302,119
Other household nonupholstered furniture manufacturing	<1	7,837	16,334	52,177
Institutional furniture manufacturing	<1	2,924	3,473	11,007
Wood office furniture manufacturing	<1	5,522	9,979	24,112
Custom architectural woodwork and millwork	<1	13,662	13,645	39,506
Office furniture, except wood, manufacturing	<1	36,169	88,119	221,915
Showcase, partition, shelving, and locker manufacturing	<1	45,398	87,049	203,576
Mattress manufacturing	2	106,442	282,819	766,917
Blind and shade manufacturing	1	104,837	115,083	306,266
Surgical and medical instrument manufacturing	2	170,403	410,240	851,753
Surgical appliance and supplies manufacturing	2	103,256	270,114	595,284
Dental equipment and supplies manufacturing	<1	7,151	15,588	38,408
Ophthalmic goods manufacturing	<1	7,179	19,136	39,024
Dental laboratories	1	54,705	57,385	110,798
Jewelry and silverware manufacturing	3	145,091	241,019	618,086
Sporting and athletic goods manufacturing	2	86,724	146,457	467,686
Doll, toy, and game manufacturing	1	66,117	141,043	385,419
Office supplies (except paper) manufacturing	<1	6,895	12,383	45,470
Sign manufacturing	3	170,320	165,922	451,392
Gasket, packing, and sealing device manufacturing	2	113,343	163,001	395,345
Musical instrument manufacturing	<1	2,205	2,549	8,150
Fasteners, buttons, needles, and pins manufacturing	<1	2,141	3,385	11,544
Broom, brush, and mop manufacturing	<1	5,478	11,392	29,283
Burial casket manufacturing	<1	1,545	2,183	4,981
All other miscellaneous manufacturing	5	301,152	453,802	1,150,809
Wholesale - Motor vehicle and motor vehicle parts and supplies	19	1,507,238	2,945,815	6,671,230
Wholesale - Professional and commercial equipment and supplies	53	7,244,749	10,598,098	17,192,822

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Wholesale - Household appliances and electrical and electronic goods	22	2,815,443	5,651,610	11,219,987
Wholesale - Machinery, equipment, and supplies	38	3,672,038	6,180,494	10,632,968
Wholesale - Other durable goods merchant wholesalers	68	6,222,052	9,514,731	17,712,586
Wholesale - Drugs and druggists' sundries	25	3,680,242	8,964,704	17,581,221
Wholesale - Grocery and related product wholesalers	66	5,321,136	6,756,293	13,019,170
Wholesale - Petroleum and petroleum products	11	1,344,316	8,387,757	10,339,373
Wholesale - Other nondurable goods merchant wholesalers	104	9,527,886	16,524,472	30,779,963
Wholesale - Wholesale electronic markets and agents and brokers	27	3,490,574	3,584,546	4,086,109
Retail - Motor vehicle and parts dealers	77	4,970,346	7,797,765	11,086,669
Retail - Furniture and home furnishings stores	54	2,652,957	3,520,777	5,474,305
Retail - Electronics and appliance stores	55	2,760,805	2,940,991	4,961,098
Retail - Building material and garden equipment and supplies stores	65	2,745,637	5,183,003	7,623,480
Retail - Food and beverage stores	227	8,043,362	11,031,125	17,552,154
Retail - Health and personal care stores	96	4,444,359	5,544,557	8,468,040
Retail - Gasoline stores	71	2,543,450	4,294,591	7,718,956
Retail - Clothing and clothing accessories stores	110	3,115,234	5,137,578	10,271,616
Retail - Sporting goods, hobby, musical instrument and book stores	68	2,221,813	2,903,919	4,495,648
Retail - General merchandise stores	232	7,517,297	11,296,319	18,109,594
Retail - Miscellaneous store retailers	137	4,154,729	5,030,487	7,764,610
Retail - Nonstore retailers	197	4,229,507	15,185,994	31,436,418
Air transportation	65	7,587,537	17,701,016	28,932,988
Rail transportation	12	1,544,343	4,183,945	6,625,124
Water transportation	<1	83,185	75,778	480,912
Truck transportation	447	32,532,975	38,709,962	72,890,134
Transit and ground passenger transportation	283	3,463,934	4,425,662	7,491,583
Pipeline transportation	2	7,640,750	7,380,238	7,329,396
Scenic and sightseeing transportation and support activities for transportation	127	6,442,468	7,130,510	16,701,130

Appendix

Couriers and messengers	125	4,284,368	6,051,380	10,523,913
Warehousing and storage	109	4,049,442	4,501,383	9,317,944
Newspaper publishers	18	1,057,817	1,775,719	2,226,874
Periodical publishers	12	1,164,007	1,821,929	2,699,147
Book publishers	6	478,029	1,419,720	2,339,555
Directory, mailing list, and other publishers	14	1,308,969	3,516,528	4,712,236
Greeting card publishing	1	68,065	181,341	260,090
Software publishers	69	11,222,305	24,991,303	27,202,115
Motion picture and video industries	35	1,589,124	2,918,360	8,119,511
Sound recording industries	2	95,484	682,407	1,353,591
Radio and television broadcasting	27	3,020,428	3,842,333	11,032,127
Cable and other subscription programming	22	2,069,024	14,458,822	36,830,963
Wired telecommunications carriers	72	2,916,240	17,858,942	33,383,798
Wireless telecommunications carriers (except satellite)	10	154,022	8,697,981	19,916,797
Satellite, telecommunications resellers, and all other telecommunications	35	1,894,367	4,037,484	13,226,252
Data processing, hosting, and related services	57	7,502,399	14,564,473	32,014,249
News syndicates, libraries, archives and all other information services	3	238,992	356,911	754,152
Internet publishing and broadcasting and web search portals	29	5,295,717	10,659,741	33,618,230
Nondepository credit intermediation and related activities	107	12,831,866	16,211,980	25,310,704
Securities and commodity contracts intermediation and brokerage	183	13,394,224	11,426,887	23,720,621
Monetary authorities and depository credit intermediation	204	19,262,581	53,587,927	87,475,982
Other financial investment activities	213	13,559,946	17,035,808	45,159,552
Direct life insurance carriers	39	4,921,629	7,823,467	11,244,947
Insurance carriers, except direct life	144	13,237,747	31,750,706	77,866,833
Insurance agencies, brokerages, and related activities	149	12,380,092	17,121,722	42,003,632
Funds, trusts, and other financial vehicles	54	1,509,870	1,809,832	14,753,584
Other real estate	1,646	43,551,766	122,964,078	316,278,839
Tenant-occupied housing	119	3,133,007	40,593,609	45,901,996

Appendix

Owner-occupied dwellings	0	0	116,468,278	147,851,364
Automotive equipment rental and leasing	38	1,799,018	4,633,323	7,547,440
General and consumer goods rental except video tapes and discs	43	2,121,136	2,767,357	5,160,121
Video tape and disc rental	10	520,805	848,587	1,313,872
Commercial and industrial machinery and equipment rental and leasing	32	2,272,832	5,658,304	8,690,363
Lessors of nonfinancial intangible assets	8	620,057	11,160,771	13,123,529
Legal services	404	40,298,953	56,346,574	79,052,693
Accounting, tax preparation, bookkeeping, and payroll services	196	15,488,691	21,494,542	30,247,007
Architectural, engineering, and related services	261	23,894,509	26,726,304	44,402,711
Specialized design services	22	1,724,539	2,913,789	4,181,089
Custom computer programming services	73	8,021,257	8,571,980	11,460,889
Computer systems design services	106	11,319,995	11,412,193	14,176,060
Other computer related services, including facilities management	28	2,816,162	5,369,398	8,425,796
Management consulting services	739	75,107,575	78,177,263	117,887,695
Environmental and other technical consulting services	82	7,460,978	7,854,475	11,407,805
Scientific research and development services	6,854	719,940,417	894,155,852	1,634,712,966
Advertising, public relations, and related services	157	11,807,060	16,365,326	28,252,336
Photographic services	10	455,782	1,228,518	2,134,309
Veterinary services	39	1,950,698	2,509,218	3,808,186
Marketing research and all other miscellaneous professional, scientific, and technical services	152	13,959,959	27,657,016	44,511,062
Management of companies and enterprises	503	79,667,173	90,999,138	136,587,519
Office administrative services	53	4,076,487	1,410,398	3,508,249
Facilities support services	24	1,514,035	2,090,557	4,208,763
Employment services	708	35,458,521	48,243,601	68,842,728
Business support services	185	9,603,122	7,655,581	13,168,994
Travel arrangement and reservation services	50	3,221,059	3,969,850	8,519,684
Investigation and security services	125	5,317,122	5,114,878	7,337,098
Services to buildings	230	7,495,769	9,673,654	18,106,781
Landscape and horticultural services	159	7,090,794	8,274,443	14,143,744

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Other support services	70	4,996,470	6,082,506	9,968,885
Waste management and remediation services	54	3,998,683	6,851,370	12,380,253
Elementary and secondary schools	51	2,110,695	1,796,079	2,152,350
Junior colleges, colleges, universities, and professional schools	1,826	71,281,856	95,703,697	133,568,039
Other educational services	105	3,998,271	4,468,492	8,739,739
Offices of physicians	260	28,625,034	29,867,169	41,734,528
Offices of dentists	91	6,012,114	7,516,737	10,707,788
Offices of other health practitioners	93	4,634,552	6,704,941	9,218,602
Outpatient care centers	102	8,345,330	7,613,467	12,422,725
Medical and diagnostic laboratories	28	2,289,128	3,283,857	4,678,379
Home health care services	140	6,667,488	6,363,510	8,154,708
Other ambulatory health care services	28	1,844,240	2,049,378	3,234,885
Hospitals	346	29,193,140	34,229,201	64,968,170
Nursing and community care facilities	163	7,171,381	8,059,221	13,676,493
Residential mental retardation, mental health, substance abuse and other facilities	38	1,855,793	2,008,845	2,973,204
Individual and family services	293	8,938,531	7,841,927	11,554,846
Child day care services	101	3,226,813	4,892,036	6,352,649
Community food, housing, and other relief services, including rehabilitation services	62	2,366,571	2,332,613	4,894,115
Performing arts companies	33	1,066,903	1,588,462	2,543,271
Commercial Sports Except Racing	125	6,361,808	5,382,928	7,562,851
Racing and Track Operation	3	123,070	208,223	335,732
Independent artists, writers, and performers	43	1,591,582	5,376,710	7,139,503
Promoters of performing arts and sports and agents for public figures	68	2,364,187	4,511,335	7,617,368
Museums, historical sites, zoos, and parks	15	690,892	915,768	1,496,710
Amusement parks and arcades	10	326,551	1,021,350	1,265,687
Gambling industries (except casino hotels)	66	2,616,322	7,788,479	11,106,042
Other amusement and recreation industries	73	2,838,381	4,063,650	5,999,993
Fitness and recreational sports centers	65	1,725,121	2,993,896	4,482,290
Bowling centers	9	289,898	504,711	764,177

Appendix

Hotels and motels, including casino hotels	104	3,731,710	7,320,386	11,420,810
Other accommodations	23	827,241	1,195,894	1,640,913
Full-service restaurants	651	19,095,259	28,244,705	45,975,014
Limited-service restaurants	480	11,322,714	19,065,186	38,729,272
All other food and drinking places	349	10,329,705	15,355,916	23,069,969
Automotive repair and maintenance, except car washes	240	14,382,051	14,822,206	22,119,578
Car washes	94	5,340,325	8,246,296	12,138,507
Electronic and precision equipment repair and maintenance	43	3,432,000	4,197,162	6,394,346
Commercial and industrial machinery and equipment repair and maintenance	45	3,737,351	3,862,770	5,544,815
Personal and household goods repair and maintenance	28	1,382,220	2,571,350	3,639,858
Personal care services	165	5,339,025	4,497,556	5,993,183
Death care services	17	620,481	335,811	515,074
Dry-cleaning and laundry services	74	2,522,872	1,261,705	1,834,720
Other personal services	116	3,807,224	4,681,252	6,748,553
Religious organizations	196	11,054,384	5,195,800	17,084,820
Grantmaking, giving, and social advocacy organizations	37	2,525,857	7,913,366	11,574,890
Business and professional associations	34	2,889,704	4,942,376	8,302,412
Labor and civic organizations	48	2,184,885	6,035,481	9,183,011
Private households	127	2,024,744	2,024,436	2,024,436
Postal service	60	5,976,077	5,978,016	6,329,444
Federal electric utilities	0	0	0	0
Other federal government enterprises	67	2,703,011	1,086,120	11,046,022
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	14	1,184,238	-904,428	706,900
Local government electric utilities	8	1,100,564	2,877,672	4,986,764
Other local government enterprises	83	8,994,420	17,627,012	31,391,957
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	55	9,548,360	11,637,140	25,281,816

Moon to Mars Campaign

Table 644: Detailed M2M Campaign Impacts by Types of Impact, Colorado

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>14,639</i>	<i>1,149,753,245</i>	<i>1,696,006,161</i>	<i>3,001,879,956</i>
Oilseed farming	<1	7,921	106,570	245,136
Grain farming	20	654,837	1,465,784	6,617,273
Vegetable and melon farming	7	244,008	475,614	945,767
Fruit farming	3	92,653	191,922	289,856
Tree nut farming	<1	245	511	730
Greenhouse, nursery, and floriculture production	9	329,544	473,586	840,056
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	1	56,104	76,008	142,582
All other crop farming	21	265,229	380,588	716,938
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	30	306,063	1,273,904	5,727,834
Dairy cattle and milk production	7	197,882	468,805	2,982,320
Poultry and egg production	1	44,947	74,378	648,640
Animal production, except cattle and poultry and eggs	16	315,875	1,422,049	2,524,873
Forestry, forest products, and timber tract production	<1	38,268	41,861	52,485
Commercial logging	2	60,135	64,891	125,661
Commercial fishing	0	0	0	0
Commercial hunting and trapping	1	2,952	36,573	85,336
Support activities for agriculture and forestry	48	1,617,606	1,553,496	1,964,726
Oil and gas extraction	21	6,973,019	6,764,804	13,781,473

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Coal mining	3	152,858	455,639	918,817
Copper, nickel, lead, and zinc mining	<1	20,183	96,432	192,712
Iron ore mining	0	0	0	0
Gold ore mining	3	217,927	549,542	1,183,838
Silver ore mining	<1	63,518	135,853	276,736
Uranium-radium-vanadium ore mining	<1	40,052	110,730	251,968
Other metal ore mining	<1	19,793	38,603	79,305
Stone mining and quarrying	1	36,029	176,212	362,566
Sand and gravel mining	2	70,420	199,237	420,118
Other clay, ceramic, refractory minerals mining	<1	2,206	6,387	14,916
Potash, soda, and borate mineral mining	<1	17,337	34,620	66,752
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	3,365	8,819	16,555
Other nonmetallic minerals	<1	36,116	95,820	165,831
Drilling oil and gas wells	<1	1,850	2,153	4,146
Support activities for oil and gas operations	<1	44,577	56,307	102,819
Metal mining services	2	385,189	401,221	939,374
Other nonmetallic minerals services	<1	20,679	22,969	46,933
Electric power generation - Hydroelectric	<1	22,899	65,167	142,157
Electric power generation - Fossil fuel	3	522,261	1,723,153	4,523,528
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	81,490	258,294	508,907
Electric power generation - Wind	<1	128,678	940,818	1,897,143
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	9,647	40,184	108,259
Electric power generation - All other	<1	5,657	3,169	8,668
Electric power transmission and distribution	23	3,607,707	11,252,042	28,640,806
Natural gas distribution	5	1,133,626	2,702,843	4,933,512
Water, sewage and other systems	2	180,402	339,549	631,081
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	62	4,444,997	6,925,580	14,299,434
Maintenance and repair construction of residential structures	25	1,626,103	2,447,444	5,106,912
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3,315	5,070	10,680
Dog and cat food manufacturing	2	187,349	607,380	2,026,805
Other animal food manufacturing	3	211,143	374,948	2,611,410
Flour milling	<1	63,698	126,338	717,316
Rice milling	0	0	0	0
Malt manufacturing	<1	5,833	11,668	91,010
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	5,151	30,506	340,713
Fats and oils refining and blending	<1	8,953	19,472	252,089
Breakfast cereal manufacturing	2	182,507	486,337	1,847,683
Beet sugar manufacturing	2	119,754	252,503	1,098,320
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	49,031	78,160	371,013
Chocolate and confectionery manufacturing from cacao beans	<1	3,109	5,029	34,128
Confectionery manufacturing from purchased chocolate	3	137,034	198,746	942,611
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	2	138,519	199,479	774,074
Canned fruits and vegetables manufacturing	<1	12,131	26,264	142,398

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	10,302	19,428	90,910
Cheese manufacturing	4	295,532	435,534	3,309,775
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	4	362,267	609,348	2,807,787
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	62,190	91,170	357,343
Frozen cakes and other pastries manufacturing	9	316,188	465,750	811,034
Poultry processing	<1	20,723	27,350	125,133
Animal, except poultry, slaughtering	13	779,500	1,009,255	8,108,262
Meat processed from carcasses	8	446,364	442,209	3,533,107
Rendering and meat byproduct processing	<1	18,754	22,018	99,920
Seafood product preparation and packaging	<1	4,557	6,236	42,426
Bread and bakery product, except frozen, manufacturing	23	1,021,637	1,493,995	3,434,438
Cookie and cracker manufacturing	<1	6,877	11,082	58,258
Dry pasta, mixes, and dough manufacturing	2	146,443	343,238	1,103,612
Tortilla manufacturing	2	100,055	125,817	400,964
Roasted nuts and peanut butter manufacturing	1	88,655	194,855	689,732
Other snack food manufacturing	3	210,637	480,653	1,667,051
Coffee and tea manufacturing	1	78,496	157,942	863,874
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	41,412	82,514	341,978
Spice and extract manufacturing	<1	50,114	90,120	430,743
All other food manufacturing	5	301,262	460,705	2,104,967
Bottled and canned soft drinks & water	6	451,608	786,704	3,320,270
Manufactured ice	<1	19,086	12,795	47,283
Breweries	9	676,293	1,561,419	3,732,001
Wineries	2	85,899	150,485	696,125
Distilleries	2	108,510	627,755	1,456,858
Tobacco product manufacturing	<1	8,270	334,793	592,474
Fiber, yarn, and thread mills	<1	31	124	2,294
Broadwoven fabric mills	<1	168	450	4,234
Narrow fabric mills and schiffli machine embroidery	<1	411	463	2,070

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2,450	3,504	23,437
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	14,609	26,738	98,940
Curtain and linen mills	<1	8,717	11,062	27,771
Textile bag and canvas mills	1	55,680	65,948	188,944
Rope, cordage, twine, tire cord and tire fabric mills	<1	27,404	41,093	131,231
Other textile product mills	<1	31,471	37,764	120,998
Hosiery and sock mills	<1	4,208	6,821	20,366
Other apparel knitting mills	<1	2,413	4,270	9,484
Cut and sew apparel contractors	<1	12,843	15,987	47,311
Mens and boys cut and sew apparel manufacturing	<1	17,424	23,573	80,333
Womens and girls cut and sew apparel manufacturing	<1	1,749	3,405	14,465
Other cut and sew apparel manufacturing	<1	1,957	3,629	11,979
Apparel accessories and other apparel manufacturing	<1	6,660	10,694	38,010
Leather and hide tanning and finishing	<1	923	1,909	16,091
Footwear manufacturing	<1	451	542	4,017
Other leather and allied product manufacturing	<1	1,730	1,904	9,442
Sawmills	1	48,951	72,310	338,398
Wood preservation	<1	22,952	56,206	246,423
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	1	62,196	86,972	286,915
Reconstituted wood product manufacturing	<1	3,657	7,819	33,747
Wood windows and door manufacturing	4	252,037	331,977	951,396
Cut stock, resawing lumber, and planing	<1	7,497	12,229	44,075
Other millwork, including flooring	2	103,129	152,234	450,699
Wood container and pallet manufacturing	2	73,825	96,134	300,548
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	11,891	15,297	53,261
All other miscellaneous wood product manufacturing	<1	17,223	24,563	88,531
Pulp mills	0	0	0	0

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Paper mills	<1	2,799	2,928	38,432
Paperboard mills	0	0	0	0
Paperboard container manufacturing	6	497,994	542,089	2,857,241
Paper bag and coated and treated paper manufacturing	<1	31,602	33,385	212,094
Stationery product manufacturing	<1	14,666	16,007	74,638
Sanitary paper product manufacturing	<1	10,943	12,521	170,852
All other converted paper product manufacturing	<1	14,490	15,545	51,320
Printing	34	2,083,552	3,150,253	6,221,069
Support activities for printing	1	83,264	118,054	181,231
Petroleum refineries	2	391,785	3,671,288	13,314,150
Asphalt paving mixture and block manufacturing	<1	31,453	56,364	197,332
Asphalt shingle and coating materials manufacturing	<1	22,271	104,987	192,107
Petroleum lubricating oil and grease manufacturing	<1	15,353	71,003	137,345
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,166	5,891	54,052
Industrial gas manufacturing	<1	88,164	146,511	551,865
Synthetic dye and pigment manufacturing	<1	2,006	3,297	20,330
Other basic inorganic chemical manufacturing	<1	127,666	210,273	677,516
Other basic organic chemical manufacturing	<1	32,852	53,741	506,833
Plastics material and resin manufacturing	<1	34,503	46,726	378,153
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	17,452	33,173	171,367
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	29,216	46,232	167,072
Pesticide and other agricultural chemical manufacturing	<1	8,260	18,054	136,954
Medicinal and botanical manufacturing	2	207,610	291,614	941,451
Pharmaceutical preparation manufacturing	3	397,380	958,794	3,073,003
In-vitro diagnostic substance manufacturing	<1	4,683	5,759	16,479

Appendix

Biological product (except diagnostic) manufacturing	<1	68,671	117,791	269,735
Paint and coating manufacturing	<1	59,382	90,030	365,522
Adhesive manufacturing	<1	92,927	131,674	522,430
Soap and other detergent manufacturing	1	174,764	397,531	1,375,754
Polish and other sanitation good manufacturing	2	212,203	286,119	913,330
Surface active agent manufacturing	<1	20,497	52,363	195,131
Toilet preparation manufacturing	2	115,975	282,494	1,124,819
Printing ink manufacturing	<1	7,194	7,525	24,144
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	5,633	8,126	21,204
Photographic film and chemical manufacturing	3	319,298	573,351	2,423,188
Other miscellaneous chemical product manufacturing	1	202,470	282,520	997,755
Plastics packaging materials and unlaminated film and sheet manufacturing	1	77,772	127,141	474,895
Unlaminated plastics profile shape manufacturing	1	67,502	145,955	501,195
Plastics pipe and pipe fitting manufacturing	<1	53,774	141,954	457,281
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	66,282	120,373	285,705
Polystyrene foam product manufacturing	1	111,721	185,644	524,845
Urethane and other foam product (except polystyrene) manufacturing	2	121,170	193,803	681,611
Plastics bottle manufacturing	<1	52,921	84,473	377,208
Other plastics product manufacturing	14	940,654	1,365,672	4,040,104
Tire manufacturing	2	241,981	362,863	997,964
Rubber and plastics hoses and belting manufacturing	<1	62,178	90,358	184,569
Other rubber product manufacturing	4	286,101	398,981	1,241,575
Pottery, ceramics, and plumbing fixture manufacturing	1	95,023	153,678	289,805
Brick, tile, and other structural clay product manufacturing	<1	48,897	102,184	193,999
Flat glass manufacturing	<1	41,582	109,106	212,683
Other pressed and blown glass and glassware manufacturing	1	74,050	158,053	370,024
Glass container manufacturing	1	120,844	229,389	493,847

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Glass product manufacturing made of purchased glass	2	158,016	324,074	693,773
Cement manufacturing	<1	46,261	146,254	341,031
Ready-mix concrete manufacturing	3	244,640	503,536	1,314,000
Concrete block and brick manufacturing	1	72,109	157,560	346,985
Concrete pipe manufacturing	<1	12,311	25,556	55,141
Other concrete product manufacturing	2	98,995	159,238	356,196
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	47,059	161,208	327,206
Abrasive product manufacturing	<1	3,432	12,486	20,593
Cut stone and stone product manufacturing	1	85,482	110,086	228,240
Ground or treated mineral and earth manufacturing	<1	8,243	29,423	58,639
Mineral wool manufacturing	<1	11,648	35,182	73,240
Miscellaneous nonmetallic mineral products manufacturing	<1	17,114	61,834	118,692
Iron and steel mills and ferroalloy manufacturing	3	283,519	483,037	3,551,146
Iron, steel pipe and tube manufacturing from purchased steel	<1	37,626	59,160	292,785
Rolled steel shape manufacturing	<1	14,992	29,017	148,710
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	47,229	86,615	454,972
Other aluminum rolling, drawing and extruding	<1	11,657	15,667	87,103
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	12,360	17,764	152,734
Nonferrous metal, except copper and aluminum, shaping	<1	12,917	14,922	55,423
Secondary processing of other nonferrous metals	<1	427	628	6,326
Ferrous metal foundries	<1	4,347	6,146	20,532
Nonferrous metal foundries	<1	32,525	43,967	127,392
Custom roll forming	<1	965	1,597	9,213
Crown and closure manufacturing and metal stamping	<1	49,656	62,595	174,537
Iron and steel forging	<1	22,772	36,682	147,888

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Nonferrous forging	<1	31,935	45,825	172,211
Cutlery, utensil, pot, and pan manufacturing	<1	36,768	96,348	205,005
Handtool manufacturing	<1	27,957	45,289	104,490
Prefabricated metal buildings and components manufacturing	<1	32,199	41,897	134,555
Fabricated structural metal manufacturing	3	226,714	323,926	1,015,760
Plate work manufacturing	<1	27,793	30,676	91,720
Metal window and door manufacturing	<1	60,024	80,233	213,375
Sheet metal work manufacturing	2	145,969	191,348	516,984
Ornamental and architectural metal work manufacturing	2	157,898	201,166	554,611
Power boiler and heat exchanger manufacturing	<1	124	177	769
Metal tank (heavy gauge) manufacturing	<1	28,575	35,830	102,199
Metal cans manufacturing	2	139,750	309,460	1,340,071
Metal barrels, drums and pails manufacturing	<1	20,999	26,154	107,585
Hardware manufacturing	2	141,216	216,712	591,712
Spring and wire product manufacturing	2	97,184	127,403	403,874
Machine shops	9	605,222	739,179	1,550,890
Turned product and screw, nut, and bolt manufacturing	2	119,999	173,536	477,988
Metal heat treating	<1	10,902	15,565	34,900
Metal coating and nonprecious engraving	2	114,471	197,822	518,896
Electroplating, anodizing, and coloring metal	1	81,125	92,311	204,566
Valve and fittings, other than plumbing, manufacturing	<1	81,872	128,533	316,871
Plumbing fixture fitting and trim manufacturing	<1	76,838	207,264	580,396
Ball and roller bearing manufacturing	2	108,959	192,795	532,297
Small arms ammunition manufacturing	<1	2,968	6,206	13,593
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	9,610	17,663	41,800
Fabricated pipe and pipe fitting manufacturing	<1	13,476	16,363	40,366
Other fabricated metal manufacturing	2	118,810	156,007	408,882
Farm machinery and equipment manufacturing	<1	11,650	19,167	81,529

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Lawn and garden equipment manufacturing	<1	11,689	20,239	109,949
Construction machinery manufacturing	<1	1,620	3,572	12,553
Mining machinery and equipment manufacturing	<1	910	1,347	4,541
Oil and gas field machinery and equipment manufacturing	<1	3,964	6,157	22,627
Semiconductor machinery manufacturing	<1	7,641	8,737	27,244
Food product machinery manufacturing	<1	917	1,056	3,282
Sawmill, woodworking, and paper machinery	<1	1,454	1,660	6,935
Printing machinery and equipment manufacturing	<1	3,457	3,826	13,052
All other industrial machinery manufacturing	<1	4,967	6,198	17,768
Optical instrument and lens manufacturing	<1	3,873	5,174	17,194
Photographic and photocopying equipment manufacturing	<1	878	1,134	4,733
Other commercial service industry machinery manufacturing	<1	39,261	61,037	182,747
Air purification and ventilation equipment manufacturing	<1	17,925	24,100	70,427
Heating equipment (except warm air furnaces) manufacturing	<1	14,788	21,826	51,648
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	84,510	145,033	465,630
Industrial mold manufacturing	<1	18,166	20,903	44,870
Special tool, die, jig, and fixture manufacturing	<1	2,183	2,789	5,712
Cutting tool and machine tool accessory manufacturing	<1	6,137	6,860	16,984
Machine tool manufacturing	<1	7,696	9,530	26,929
Rolling mill and other metalworking machinery manufacturing	<1	3,344	3,939	10,009
Turbine and turbine generator set units manufacturing	<1	20,125	25,759	96,859
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	33,547	67,825	283,964

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Pump and pumping equipment manufacturing	<1	701	1,162	4,577
Air and gas compressor manufacturing	<1	806	1,451	5,657
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	8,908	9,940	26,737
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,338	2,404	7,558
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	5,271	12,120	33,047
Welding and soldering equipment manufacturing	<1	2,711	3,725	8,816
Packaging machinery manufacturing	<1	1,877	2,554	7,036
Industrial process furnace and oven manufacturing	<1	475	542	1,160
Fluid power cylinder and actuator manufacturing	<1	47,896	64,580	165,158
Fluid power pump and motor manufacturing	<1	6,142	9,156	26,318
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5,268	6,327	16,344
Electronic computer manufacturing	<1	37,632	74,202	163,845
Computer storage device manufacturing	<1	53,356	125,617	385,865
Computer terminals and other computer peripheral equipment manufacturing	<1	24,589	39,248	94,030
Telephone apparatus manufacturing	<1	16,398	24,454	59,823
Broadcast and wireless communications equipment manufacturing	<1	3,235	4,852	12,605
Other communications equipment manufacturing	<1	46,112	72,340	190,666
Audio and video equipment manufacturing	<1	1,479	2,489	11,854
Printed circuit assembly (electronic assembly) manufacturing	<1	56,338	96,625	318,174
Bare printed circuit board manufacturing	<1	17,532	22,725	68,434
Semiconductor and related device manufacturing	<1	61,207	100,987	332,054

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,293	3,217	8,359
Electronic connector manufacturing	<1	421	619	1,358
Other electronic component manufacturing	<1	8,130	10,906	36,637
Electromedical and electrotherapeutic apparatus manufacturing	<1	25,044	45,627	99,194
Search, detection, and navigation instruments manufacturing	<1	6,862	11,286	19,455
Automatic environmental control manufacturing	<1	15,375	20,219	48,910
Industrial process variable instruments manufacturing	<1	40,408	61,844	138,049
Totalizing fluid meter and counting device manufacturing	<1	7,234	14,865	34,785
Electricity and signal testing instruments manufacturing	<1	2,646	4,076	10,886
Analytical laboratory instrument manufacturing	<1	8,968	14,764	33,069
Irradiation apparatus manufacturing	<1	94	180	507
Watch, clock, and other measuring and controlling device manufacturing	<1	8,714	15,408	39,096
Blank magnetic and optical recording media manufacturing	<1	9,103	26,342	99,447
Software and other prerecorded and record reproducing	<1	105,149	147,796	230,065
Electric lamp bulb and part manufacturing	<1	1,056	4,015	9,447
Lighting fixture manufacturing	<1	70,393	156,908	363,402
Small electrical appliance manufacturing	<1	1,952	8,955	20,959
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	154	369	1,009
Motor and generator manufacturing	<1	24,244	69,460	135,450
Switchgear and switchboard apparatus manufacturing	<1	14,393	42,487	88,369

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Relay and industrial control manufacturing	<1	6,722	13,587	35,415
Storage battery manufacturing	<1	35,008	74,056	157,795
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	9,783	15,056	52,112
Other communication and energy wire manufacturing	<1	3,859	9,354	25,714
Wiring device manufacturing	<1	8,041	28,800	63,680
Carbon and graphite product manufacturing	<1	6,080	17,492	43,036
All other miscellaneous electrical equipment and component manufacturing	<1	1,250	1,804	5,685
Automobile manufacturing	<1	1,058	-132	15,025
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	1,611	1,360	8,263
Truck trailer manufacturing	<1	353	232	1,646
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	2	152,038	146,252	621,146
Motor vehicle gasoline engine and engine parts manufacturing	<1	13,274	8,913	103,888
Motor vehicle electrical and electronic equipment manufacturing	<1	42,444	40,153	275,519
Motor vehicle transmission and power train parts manufacturing	<1	68,669	48,429	428,039
Motor vehicle seating and interior trim manufacturing	<1	18,051	15,195	93,060
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	1	95,657	59,291	534,129
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	72,516	50,212	410,556
Aircraft manufacturing	<1	105	236	743
Aircraft engine and engine parts manufacturing	<1	476	883	3,391
Other aircraft parts and auxiliary equipment manufacturing	<1	16,765	23,076	52,304
Guided missile and space vehicle manufacturing	<1	99,940	152,823	357,945
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	9,151	12,831	27,841

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Railroad rolling stock manufacturing	<1	46	57	317
Ship building and repairing	0	0	0	0
Boat building	<1	45,453	61,532	173,153
Motorcycle, bicycle, and parts manufacturing	<1	22,944	76,076	230,350
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	538	1,085	6,056
Wood kitchen cabinet and countertop manufacturing	3	150,307	249,043	511,791
Upholstered household furniture manufacturing	<1	3,684	4,582	16,042
Nonupholstered wood household furniture manufacturing	1	51,370	69,885	180,963
Other household nonupholstered furniture manufacturing	<1	5,547	11,315	35,607
Institutional furniture manufacturing	<1	1,727	2,020	6,346
Wood office furniture manufacturing	<1	707	1,230	3,010
Custom architectural woodwork and millwork	<1	8,770	8,648	24,474
Office furniture, except wood, manufacturing	<1	1,357	3,070	8,317
Showcase, partition, shelving, and locker manufacturing	<1	25,246	45,061	107,684
Mattress manufacturing	1	66,015	164,593	458,040
Blind and shade manufacturing	<1	57,101	61,967	171,933
Surgical and medical instrument manufacturing	1	111,583	267,803	530,731
Surgical appliance and supplies manufacturing	1	77,907	208,364	438,619
Dental equipment and supplies manufacturing	<1	5,068	10,948	26,186
Ophthalmic goods manufacturing	<1	4,992	13,681	27,019
Dental laboratories	<1	38,761	40,721	77,972
Jewelry and silverware manufacturing	2	83,913	140,455	357,105
Sporting and athletic goods manufacturing	<1	50,528	85,356	260,436
Doll, toy, and game manufacturing	<1	41,790	93,700	244,392
Office supplies (except paper) manufacturing	<1	4,189	7,570	26,344
Sign manufacturing	2	83,763	82,922	223,130
Gasket, packing, and sealing device manufacturing	<1	62,782	89,799	214,410

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Musical instrument manufacturing	<1	2,046	2,453	7,512
Fasteners, buttons, needles, and pins manufacturing	<1	1,464	2,371	8,091
Broom, brush, and mop manufacturing	<1	4,042	10,319	21,621
Burial casket manufacturing	<1	638	910	1,989
All other miscellaneous manufacturing	2	140,257	214,976	541,076
Wholesale - Motor vehicle and motor vehicle parts and supplies	11	912,401	1,804,453	4,075,284
Wholesale - Professional and commercial equipment and supplies	33	4,667,581	6,824,292	10,988,244
Wholesale - Household appliances and electrical and electronic goods	14	1,723,991	3,459,474	6,830,857
Wholesale - Machinery, equipment, and supplies	22	2,169,896	3,649,442	6,265,178
Wholesale - Other durable goods merchant wholesalers	40	3,709,426	5,698,630	10,559,193
Wholesale - Drugs and druggists' sundries	15	2,290,789	5,584,511	10,754,062
Wholesale - Grocery and related product wholesalers	36	2,929,126	3,719,260	7,137,189
Wholesale - Petroleum and petroleum products	5	543,796	4,309,276	5,189,831
Wholesale - Other nondurable goods merchant wholesalers	60	5,633,046	10,142,891	18,451,310
Wholesale - Wholesale electronic markets and agents and brokers	15	1,927,667	1,980,641	2,251,181
Retail - Motor vehicle and parts dealers	44	2,900,845	4,552,656	6,431,928
Retail - Furniture and home furnishings stores	32	1,592,935	2,114,441	3,256,977
Retail - Electronics and appliance stores	32	1,642,377	1,775,359	2,940,931
Retail - Building material and garden equipment and supplies stores	38	1,629,888	3,083,705	4,513,125
Retail - Food and beverage stores	137	5,051,711	6,889,284	10,824,466
Retail - Health and personal care stores	57	2,612,247	3,275,266	4,997,896
Retail - Gasoline stores	32	1,285,605	2,105,120	3,670,476
Retail - Clothing and clothing accessories stores	65	1,918,798	3,139,734	6,158,066
Retail - Sporting goods, hobby, musical instrument and book stores	39	1,313,782	1,721,153	2,631,443
Retail - General merchandise stores	132	4,271,944	6,454,349	10,339,273

Appendix

Retail - Miscellaneous store retailers	79	2,519,007	3,045,745	4,606,844
Retail - Nonstore retailers	117	2,441,179	9,309,501	19,010,056
Air transportation	38	4,448,517	10,642,602	17,141,625
Rail transportation	6	860,731	1,998,168	3,368,803
Water transportation	<1	61,620	56,796	346,313
Truck transportation	71	5,104,098	6,069,603	11,523,408
Transit and ground passenger transportation	189	2,575,469	3,278,932	5,344,805
Pipeline transportation	1	2,478,382	2,625,468	2,667,188
Scenic and sightseeing transportation and support activities for transportation	75	3,704,763	4,118,649	9,739,223
Couriers and messengers	68	2,291,058	3,308,626	5,744,720
Warehousing and storage	63	2,352,176	2,622,151	5,390,612
Newspaper publishers	10	622,552	1,049,792	1,296,989
Periodical publishers	8	863,582	1,361,819	1,922,466
Book publishers	3	282,775	843,158	1,371,654
Directory, mailing list, and other publishers	6	514,573	1,427,979	1,898,082
Greeting card publishing	<1	39,270	111,697	152,089
Software publishers	39	6,535,693	14,784,701	16,053,328
Motion picture and video industries	20	1,086,541	1,980,360	4,974,077
Sound recording industries	1	63,825	465,977	872,342
Radio and television broadcasting	14	2,398,501	2,895,858	6,731,482
Cable and other subscription programming	13	2,370,515	11,640,017	24,924,910
Wired telecommunications carriers	38	1,641,035	9,707,179	17,949,304
Wireless telecommunications carriers (except satellite)	6	94,416	5,445,894	12,213,964
Satellite, telecommunications resellers, and all other telecommunications	8	431,039	899,941	2,947,081
Data processing, hosting, and related services	32	4,700,341	9,026,174	18,434,229
News syndicates, libraries, archives and all other information services	2	168,184	257,954	515,723
Internet publishing and broadcasting and web search portals	16	3,605,770	7,276,220	19,644,528
Nondepository credit intermediation and related activities	63	8,235,765	10,434,778	15,743,398
Securities and commodity contracts intermediation and brokerage	101	8,741,039	7,318,394	13,896,528

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Monetary authorities and depository credit intermediation	112	10,894,990	30,391,996	48,970,933
Other financial investment activities	131	10,124,463	12,406,937	29,392,347
Direct life insurance carriers	21	2,662,059	4,419,901	6,185,822
Insurance carriers, except direct life	81	7,663,112	19,404,638	45,377,279
Insurance agencies, brokerages, and related activities	77	6,546,244	9,340,771	22,096,922
Funds, trusts, and other financial vehicles	31	1,043,403	1,284,905	8,962,796
Other real estate	957	29,507,912	80,022,206	192,565,306
Tenant-occupied housing	66	1,993,690	26,592,759	29,514,025
Owner-occupied dwellings	0	0	75,333,613	95,632,712
Automotive equipment rental and leasing	21	1,343,442	2,916,752	4,543,675
General and consumer goods rental except video tapes and discs	21	1,229,046	1,522,471	2,712,341
Video tape and disc rental	6	310,175	500,238	771,799
Commercial and industrial machinery and equipment rental and leasing	17	1,408,774	3,188,967	4,803,730
Lessors of nonfinancial intangible assets	5	384,191	7,113,940	8,312,904
Legal services	245	25,419,803	36,052,457	49,839,009
Accounting, tax preparation, bookkeeping, and payroll services	112	9,468,555	13,518,436	18,511,911
Architectural, engineering, and related services	162	15,105,373	17,134,653	28,083,394
Specialized design services	12	1,003,404	1,760,409	2,449,621
Custom computer programming services	38	4,434,883	4,698,572	6,189,036
Computer systems design services	61	6,846,018	6,911,922	8,485,185
Other computer related services, including facilities management	18	1,902,555	3,595,787	5,524,063
Management consulting services	318	34,461,859	36,099,047	52,992,551
Environmental and other technical consulting services	55	5,173,164	5,511,168	7,904,319
Scientific research and development services	4,556	511,542,037	629,923,272	1,122,274,651
Advertising, public relations, and related services	92	7,491,691	10,604,459	17,519,833
Photographic services	6	258,541	748,888	1,238,918
Veterinary services	23	1,175,990	1,550,155	2,301,341
Marketing research and all other miscellaneous professional, scientific, and technical services	88	8,413,752	17,315,824	26,957,987

Appendix

Management of companies and enterprises	313	51,665,621	59,367,469	87,526,751
Office administrative services	38	3,140,342	1,165,733	2,663,071
Facilities support services	13	919,811	1,275,928	2,415,643
Employment services	406	22,379,536	31,036,278	42,498,650
Business support services	92	5,115,969	4,149,519	6,869,740
Travel arrangement and reservation services	29	1,903,688	2,360,865	5,025,203
Investigation and security services	72	3,333,491	3,225,202	4,488,757
Services to buildings	136	4,740,725	6,223,377	11,170,648
Landscape and horticultural services	81	3,798,760	4,472,863	7,459,564
Other support services	37	2,770,409	3,401,619	5,455,211
Waste management and remediation services	31	2,367,664	4,052,821	7,246,552
Elementary and secondary schools	35	1,556,489	1,326,453	1,570,184
Junior colleges, colleges, universities, and professional schools	149	6,486,645	8,644,252	11,750,831
Other educational services	61	2,458,300	2,768,819	5,243,850
Offices of physicians	157	17,256,251	18,090,122	25,267,924
Offices of dentists	55	3,668,770	4,657,425	6,567,425
Offices of other health practitioners	54	2,759,243	4,082,770	5,564,333
Outpatient care centers	65	5,168,402	4,746,755	7,822,469
Medical and diagnostic laboratories	17	1,423,786	2,087,437	2,930,963
Home health care services	88	4,051,502	3,884,561	5,013,451
Other ambulatory health care services	17	1,133,237	1,270,385	1,988,728
Hospitals	231	19,885,619	23,147,936	43,711,527
Nursing and community care facilities	99	4,522,803	5,087,178	8,468,607
Residential mental retardation, mental health, substance abuse and other facilities	26	1,287,684	1,396,719	2,035,009
Individual and family services	184	5,744,141	5,086,981	7,417,987
Child day care services	62	2,070,264	3,179,595	4,061,763
Community food, housing, and other relief services, including rehabilitation services	41	1,636,114	1,618,358	3,324,173
Performing arts companies	20	749,213	1,097,794	1,642,610
Commercial Sports Except Racing	75	4,046,746	3,314,792	4,599,277
Racing and Track Operation	2	82,134	139,249	203,603
Independent artists, writers, and performers	27	1,134,771	3,557,857	4,623,085

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Promoters of performing arts and sports and agents for public figures	40	1,570,907	2,921,055	4,669,217
Museums, historical sites, zoos, and parks	9	425,555	563,396	905,951
Amusement parks and arcades	6	222,646	624,784	774,069
Gambling industries (except casino hotels)	40	1,687,786	4,896,789	6,892,690
Other amusement and recreation industries	41	1,696,784	2,331,650	3,407,771
Fitness and recreational sports centers	40	1,122,279	1,853,776	2,746,165
Bowling centers	5	173,644	293,563	439,763
Hotels and motels, including casino hotels	70	2,629,747	5,077,590	7,828,439
Other accommodations	16	630,068	904,935	1,226,323
Full-service restaurants	379	11,517,660	17,221,424	27,509,998
Limited-service restaurants	284	6,984,280	11,848,129	23,436,433
All other food and drinking places	207	6,534,641	9,718,442	14,290,088
Automotive repair and maintenance, except car washes	138	8,542,137	8,514,583	12,702,490
Car washes	57	3,328,849	5,114,215	7,487,036
Electronic and precision equipment repair and maintenance	23	1,988,340	2,453,117	3,659,501
Commercial and industrial machinery and equipment repair and maintenance	24	2,081,370	2,114,980	2,995,803
Personal and household goods repair and maintenance	17	855,086	1,548,677	2,186,340
Personal care services	104	3,439,124	2,800,820	3,742,170
Death care services	12	438,395	206,000	326,799
Dry-cleaning and laundry services	47	1,650,687	716,063	1,078,609
Other personal services	71	2,422,460	2,945,705	4,216,641
Religious organizations	128	7,237,854	2,954,118	10,744,577
Grantmaking, giving, and social advocacy organizations	24	1,712,349	5,039,269	7,390,325
Business and professional associations	20	1,861,693	3,028,276	5,026,956
Labor and civic organizations	33	1,526,395	3,968,785	6,144,244
Private households	74	1,330,314	1,330,314	1,330,314
Postal service	33	3,358,689	3,360,355	3,554,249
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	125,905	52,067	411,605
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	0	0	0	0
Local government passenger transit	7	729,018	-587,883	344,890
Local government electric utilities	4	602,999	1,492,882	2,563,565
Other local government enterprises	43	4,866,500	9,054,237	16,093,320
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	6	1,076,648	1,362,209	3,116,363

Investments in Climate Change Research and Technology

Table 645: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Colorado

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,552</i>	<i>209,492,900</i>	<i>308,170,394</i>	<i>549,035,407</i>
Oilseed farming	<1	1,393	11,057	21,364
Grain farming	4	156,691	276,872	1,573,122
Vegetable and melon farming	1	48,363	93,071	187,148
Fruit farming	<1	16,142	33,874	51,266
Tree nut farming	<1	28	58	84
Greenhouse, nursery, and floriculture production	2	69,197	99,515	182,466
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	11,357	15,898	31,623
All other crop farming	7	74,345	103,142	202,409
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	13	67,869	372,565	1,862,845

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Dairy cattle and milk production	2	41,634	109,911	748,412
Poultry and egg production	<1	15,437	22,498	236,848
Animal production, except cattle and poultry and eggs	3	99,172	336,314	567,152
Forestry, forest products, and timber tract production	<1	5,707	6,278	8,272
Commercial logging	<1	11,992	12,877	26,910
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	347	8,328	18,880
Support activities for agriculture and forestry	9	301,569	291,754	369,027
Oil and gas extraction	7	2,951,844	2,262,482	4,415,661
Coal mining	1	65,435	266,270	520,599
Copper, nickel, lead, and zinc mining	<1	7,614	31,254	67,110
Iron ore mining	0	0	0	0
Gold ore mining	<1	38,200	94,801	198,331
Silver ore mining	<1	11,769	24,674	52,210
Uranium-radium-vanadium ore mining	<1	11,642	30,148	68,290
Other metal ore mining	<1	2,753	5,707	11,804
Stone mining and quarrying	<1	5,780	39,455	76,271
Sand and gravel mining	<1	9,680	32,258	69,136
Other clay, ceramic, refractory minerals mining	<1	468	1,553	3,346
Potash, soda, and borate mineral mining	<1	3,589	7,784	14,730
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	464	1,758	3,375
Other nonmetallic minerals	<1	2,722	8,338	14,620
Drilling oil and gas wells	<1	703	826	1,462
Support activities for oil and gas operations	<1	17,449	20,985	36,731
Metal mining services	<1	154,774	149,067	315,730
Other nonmetallic minerals services	<1	6,022	5,254	10,389
Electric power generation - Hydroelectric	<1	4,884	13,188	29,000
Electric power generation - Fossil fuel	<1	73,788	266,140	784,211
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	15,655	49,155	100,214
Electric power generation - Wind	<1	41,662	295,981	641,979
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	1,901	7,155	21,802
Electric power generation - All other	<1	667	374	1,264
Electric power transmission and distribution	5	673,627	2,168,772	5,917,160
Natural gas distribution	1	302,771	696,262	1,366,810
Water, sewage and other systems	1	96,867	184,974	367,236
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	13	887,176	1,379,325	2,962,817
Maintenance and repair construction of residential structures	5	296,132	443,683	961,539
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	624	969	2,072
Dog and cat food manufacturing	<1	40,328	122,696	436,349
Other animal food manufacturing	<1	42,424	70,455	532,813
Flour milling	<1	21,405	43,079	243,002
Rice milling	0	0	0	0
Malt manufacturing	<1	2,543	5,013	39,414
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	923	5,539	63,621
Fats and oils refining and blending	<1	1,774	3,796	51,519
Breakfast cereal manufacturing	<1	37,577	97,082	401,237
Beet sugar manufacturing	<1	26,975	61,364	269,770

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Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	8,752	14,103	72,068
Chocolate and confectionery manufacturing from cacao beans	<1	406	651	4,604
Confectionery manufacturing from purchased chocolate	<1	33,089	47,746	241,922
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	31,299	45,678	183,030
Canned fruits and vegetables manufacturing	<1	2,008	4,354	24,221
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,701	3,252	15,497
Cheese manufacturing	<1	55,718	82,449	623,100
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	1	94,834	156,323	757,263
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	21,924	31,330	136,455
Frozen cakes and other pastries manufacturing	3	85,815	127,080	227,170
Poultry processing	<1	6,430	8,036	38,722
Animal, except poultry, slaughtering	5	291,796	373,055	3,054,600
Meat processed from carcasses	1	78,163	76,146	629,224
Rendering and meat byproduct processing	<1	3,627	4,200	19,922
Seafood product preparation and packaging	<1	2,216	2,922	22,359
Bread and bakery product, except frozen, manufacturing	7	282,875	414,867	971,518
Cookie and cracker manufacturing	<1	1,211	1,834	11,145
Dry pasta, mixes, and dough manufacturing	<1	29,075	68,868	210,684
Tortilla manufacturing	<1	22,012	28,187	94,175
Roasted nuts and peanut butter manufacturing	<1	15,357	31,954	124,493
Other snack food manufacturing	<1	43,894	102,399	357,843
Coffee and tea manufacturing	<1	26,252	51,008	285,773
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	10,472	21,750	93,965
Spice and extract manufacturing	<1	10,798	18,861	98,312
All other food manufacturing	<1	46,495	71,454	345,894

Appendix

Bottled and canned soft drinks & water	1	93,871	159,578	701,863
Manufactured ice	<1	3,630	2,258	9,786
Breweries	3	231,829	510,338	1,260,116
Wineries	<1	9,606	16,770	83,153
Distilleries	<1	24,867	131,061	327,822
Tobacco product manufacturing	<1	1,406	42,122	84,595
Fiber, yarn, and thread mills	<1	7	23	521
Broadwoven fabric mills	<1	44	99	1,062
Narrow fabric mills and schiffli machine embroidery	<1	42	46	220
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	182	257	1,833
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	2,775	4,115	19,812
Curtain and linen mills	<1	1,568	1,916	5,283
Textile bag and canvas mills	<1	8,941	10,298	31,547
Rope, cordage, twine, tire cord and tire fabric mills	<1	8,300	11,416	40,032
Other textile product mills	<1	5,348	6,279	21,935
Hosiery and sock mills	<1	820	1,253	4,548
Other apparel knitting mills	<1	308	570	1,361
Cut and sew apparel contractors	<1	1,178	1,476	4,626
Mens and boys cut and sew apparel manufacturing	<1	2,149	2,869	11,207
Womens and girls cut and sew apparel manufacturing	<1	173	336	1,536
Other cut and sew apparel manufacturing	<1	508	952	3,423
Apparel accessories and other apparel manufacturing	<1	858	1,364	5,671
Leather and hide tanning and finishing	<1	261	484	4,399
Footwear manufacturing	<1	112	128	1,132
Other leather and allied product manufacturing	<1	235	258	1,372
Sawmills	<1	11,530	16,725	77,801
Wood preservation	<1	6,056	14,498	61,311
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	13,491	18,565	62,245
Reconstituted wood product manufacturing	<1	1,143	2,421	10,188
Wood windows and door manufacturing	<1	59,287	77,606	227,611

Appendix

Cut stock, resawing lumber, and planing	<1	1,598	2,604	9,502
Other millwork, including flooring	<1	20,135	29,552	92,691
Wood container and pallet manufacturing	<1	15,083	19,481	62,922
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	2,979	3,870	12,801
All other miscellaneous wood product manufacturing	<1	3,008	4,163	16,825
Pulp mills	0	0	0	0
Paper mills	<1	870	1,092	12,516
Paperboard mills	0	0	0	0
Paperboard container manufacturing	1	94,952	104,634	560,130
Paper bag and coated and treated paper manufacturing	<1	6,159	7,014	45,480
Stationery product manufacturing	<1	3,769	4,300	21,162
Sanitary paper product manufacturing	<1	2,813	3,489	43,826
All other converted paper product manufacturing	<1	3,327	3,648	11,336
Printing	7	348,361	499,587	1,101,407
Support activities for printing	<1	9,468	13,275	21,155
Petroleum refineries	<1	105,859	949,623	3,478,761
Asphalt paving mixture and block manufacturing	<1	6,945	12,298	45,587
Asphalt shingle and coating materials manufacturing	<1	5,854	26,579	49,280
Petroleum lubricating oil and grease manufacturing	<1	2,698	12,441	25,407
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	968	5,212	51,774
Industrial gas manufacturing	<1	21,698	35,132	132,825
Synthetic dye and pigment manufacturing	<1	330	510	2,874
Other basic inorganic chemical manufacturing	<1	26,700	38,718	130,166
Other basic organic chemical manufacturing	<1	12,265	19,643	164,289
Plastics material and resin manufacturing	<1	11,009	14,149	102,194
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	2,611	4,673	26,768
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5,861	8,582	32,297
Pesticide and other agricultural chemical manufacturing	<1	3,366	7,208	52,273
Medicinal and botanical manufacturing	<1	22,104	29,328	106,245
Pharmaceutical preparation manufacturing	<1	46,331	104,024	364,457
In-vitro diagnostic substance manufacturing	<1	340	411	1,186
Biological product (except diagnostic) manufacturing	<1	4,650	7,405	18,633
Paint and coating manufacturing	<1	14,547	20,643	84,397
Adhesive manufacturing	<1	11,505	15,164	67,223
Soap and other detergent manufacturing	<1	27,019	54,189	244,387
Polish and other sanitation good manufacturing	<1	27,335	34,701	124,357
Surface active agent manufacturing	<1	3,806	8,404	35,751
Toilet preparation manufacturing	<1	15,237	34,176	144,618
Printing ink manufacturing	<1	909	940	3,022
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	1,071	1,445	4,085
Photographic film and chemical manufacturing	<1	49,519	85,044	376,805
Other miscellaneous chemical product manufacturing	<1	42,581	55,652	190,635
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	13,708	22,754	87,635
Unlaminated plastics profile shape manufacturing	<1	9,705	21,352	76,602
Plastics pipe and pipe fitting manufacturing	<1	9,190	24,965	76,096
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	13,006	24,241	56,233
Polystyrene foam product manufacturing	<1	23,330	39,412	111,293
Urethane and other foam product (except polystyrene) manufacturing	<1	22,861	37,059	133,217
Plastics bottle manufacturing	<1	7,882	12,698	60,589
Other plastics product manufacturing	3	175,549	253,918	798,294

Appendix

Tire manufacturing	<1	63,059	93,900	257,281
Rubber and plastics hoses and belting manufacturing	<1	12,221	18,094	36,773
Other rubber product manufacturing	<1	26,778	37,764	111,995
Pottery, ceramics, and plumbing fixture manufacturing	<1	15,621	26,490	47,357
Brick, tile, and other structural clay product manufacturing	<1	9,465	20,688	37,080
Flat glass manufacturing	<1	6,167	17,497	32,868
Other pressed and blown glass and glassware manufacturing	<1	8,739	19,788	45,489
Glass container manufacturing	<1	32,490	63,589	131,817
Glass product manufacturing made of purchased glass	<1	23,600	50,543	104,867
Cement manufacturing	<1	8,481	28,691	64,350
Ready-mix concrete manufacturing	<1	44,778	95,621	245,949
Concrete block and brick manufacturing	<1	10,037	23,612	49,402
Concrete pipe manufacturing	<1	2,607	5,687	11,431
Other concrete product manufacturing	<1	19,541	32,676	70,841
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	6,858	25,873	49,563
Abrasive product manufacturing	<1	518	2,073	3,315
Cut stone and stone product manufacturing	<1	16,608	21,541	44,813
Ground or treated mineral and earth manufacturing	<1	1,949	7,222	14,083
Mineral wool manufacturing	<1	1,437	4,601	9,611
Miscellaneous nonmetallic mineral products manufacturing	<1	2,018	8,454	16,194
Iron and steel mills and ferroalloy manufacturing	<1	44,613	87,832	550,179
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,897	8,991	42,111
Rolled steel shape manufacturing	<1	3,464	7,693	31,672
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	11,589	23,897	105,360
Other aluminum rolling, drawing and extruding	<1	1,788	2,685	14,464

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	2,508	3,817	34,421
Nonferrous metal, except copper and aluminum, shaping	<1	1,169	1,437	4,931
Secondary processing of other nonferrous metals	<1	37	82	654
Ferrous metal foundries	<1	805	1,314	3,942
Nonferrous metal foundries	<1	3,348	4,897	13,877
Custom roll forming	<1	101	173	979
Crown and closure manufacturing and metal stamping	<1	5,889	7,466	21,654
Iron and steel forging	<1	1,998	3,271	13,265
Nonferrous forging	<1	2,246	3,297	12,973
Cutlery, utensil, pot, and pan manufacturing	<1	5,557	14,283	31,834
Handtool manufacturing	<1	3,174	5,162	12,550
Prefabricated metal buildings and components manufacturing	<1	4,285	6,204	18,776
Fabricated structural metal manufacturing	<1	36,646	54,289	171,277
Plate work manufacturing	<1	6,819	7,484	22,981
Metal window and door manufacturing	<1	8,792	12,015	32,721
Sheet metal work manufacturing	<1	25,943	34,513	96,256
Ornamental and architectural metal work manufacturing	<1	25,751	33,646	96,228
Power boiler and heat exchanger manufacturing	<1	22	31	129
Metal tank (heavy gauge) manufacturing	<1	3,751	4,794	14,173
Metal cans manufacturing	<1	25,792	57,653	251,521
Metal barrels, drums and pails manufacturing	<1	4,479	5,600	24,326
Hardware manufacturing	<1	20,402	32,056	89,644
Spring and wire product manufacturing	<1	8,191	11,260	35,506
Machine shops	1	78,997	97,196	209,066
Turned product and screw, nut, and bolt manufacturing	<1	16,953	25,016	71,082
Metal heat treating	<1	1,845	2,671	5,990
Metal coating and nonprecious engraving	<1	21,767	38,312	99,403
Electroplating, anodizing, and coloring metal	<1	10,735	12,280	27,371
Valve and fittings, other than plumbing, manufacturing	<1	13,438	21,111	53,260

Appendix

Plumbing fixture fitting and trim manufacturing	<1	9,841	26,783	77,438
Ball and roller bearing manufacturing	<1	10,787	19,717	56,814
Small arms ammunition manufacturing	<1	552	1,122	2,689
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,444	2,667	6,944
Fabricated pipe and pipe fitting manufacturing	<1	3,145	3,910	9,380
Other fabricated metal manufacturing	<1	18,578	24,596	66,569
Farm machinery and equipment manufacturing	<1	1,164	1,872	8,232
Lawn and garden equipment manufacturing	<1	1,083	1,741	10,726
Construction machinery manufacturing	<1	416	821	3,221
Mining machinery and equipment manufacturing	<1	335	491	1,666
Oil and gas field machinery and equipment manufacturing	<1	2,048	3,087	10,473
Semiconductor machinery manufacturing	<1	381	432	1,419
Food product machinery manufacturing	<1	130	145	457
Sawmill, woodworking, and paper machinery	<1	157	174	773
Printing machinery and equipment manufacturing	<1	393	427	1,556
All other industrial machinery manufacturing	<1	732	879	2,583
Optical instrument and lens manufacturing	<1	590	773	2,796
Photographic and photocopying equipment manufacturing	<1	74	94	409
Other commercial service industry machinery manufacturing	<1	5,920	8,533	26,650
Air purification and ventilation equipment manufacturing	<1	2,498	3,129	9,427
Heating equipment (except warm air furnaces) manufacturing	<1	6,343	8,771	23,723
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	22,123	35,441	124,987
Industrial mold manufacturing	<1	1,889	2,122	4,778
Special tool, die, jig, and fixture manufacturing	<1	230	283	610

Appendix

Cutting tool and machine tool accessory manufacturing	<1	783	860	2,179
Machine tool manufacturing	<1	923	1,097	3,172
Rolling mill and other metalworking machinery manufacturing	<1	584	667	1,773
Turbine and turbine generator set units manufacturing	<1	1,754	2,159	9,605
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	3,837	6,952	38,151
Pump and pumping equipment manufacturing	<1	92	142	601
Air and gas compressor manufacturing	<1	216	344	1,317
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	1,611	1,766	4,958
Overhead cranes, hoists, and monorail systems manufacturing	<1	344	578	1,904
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	331	735	2,257
Welding and soldering equipment manufacturing	<1	392	514	1,446
Packaging machinery manufacturing	<1	214	279	806
Industrial process furnace and oven manufacturing	<1	77	87	196
Fluid power cylinder and actuator manufacturing	<1	7,226	9,459	23,773
Fluid power pump and motor manufacturing	<1	254	363	1,125
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	628	730	2,041
Electronic computer manufacturing	<1	4,229	8,422	19,550
Computer storage device manufacturing	<1	5,496	12,902	39,334
Computer terminals and other computer peripheral equipment manufacturing	<1	7,030	11,352	25,797
Telephone apparatus manufacturing	<1	6,182	10,027	22,307

Appendix

Broadcast and wireless communications equipment manufacturing	<1	323	492	1,320
Other communications equipment manufacturing	<1	6,814	11,552	27,424
Audio and video equipment manufacturing	<1	148	252	1,251
Printed circuit assembly (electronic assembly) manufacturing	<1	5,610	10,188	33,145
Bare printed circuit board manufacturing	<1	2,025	2,684	7,251
Semiconductor and related device manufacturing	<1	4,818	8,622	30,734
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	246	350	943
Electronic connector manufacturing	<1	23	34	75
Other electronic component manufacturing	<1	912	1,263	4,204
Electromedical and electrotherapeutic apparatus manufacturing	<1	2,911	5,435	12,100
Search, detection, and navigation instruments manufacturing	<1	558	936	1,672
Automatic environmental control manufacturing	<1	1,098	1,469	3,641
Industrial process variable instruments manufacturing	<1	5,087	7,987	17,766
Totalizing fluid meter and counting device manufacturing	<1	1,857	4,201	9,365
Electricity and signal testing instruments manufacturing	<1	5,761	8,963	23,382
Analytical laboratory instrument manufacturing	1	157,977	270,040	558,788
Irradiation apparatus manufacturing	<1	10	19	55
Watch, clock, and other measuring and controlling device manufacturing	<1	10,102	18,318	44,376
Blank magnetic and optical recording media manufacturing	<1	403	1,147	5,290
Software and other prerecorded and record reproducing	<1	13,322	18,871	34,718
Electric lamp bulb and part manufacturing	<1	171	581	1,538
Lighting fixture manufacturing	<1	5,366	12,082	29,067
Small electrical appliance manufacturing	<1	262	1,112	2,992

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	20	47	139
Motor and generator manufacturing	<1	5,035	13,872	27,403
Switchgear and switchboard apparatus manufacturing	<1	2,036	5,673	12,697
Relay and industrial control manufacturing	<1	901	1,765	4,833
Storage battery manufacturing	<1	3,789	8,235	18,337
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	839	1,281	5,113
Other communication and energy wire manufacturing	<1	596	1,399	3,992
Wiring device manufacturing	<1	1,042	3,566	8,688
Carbon and graphite product manufacturing	<1	768	2,074	5,134
All other miscellaneous electrical equipment and component manufacturing	<1	150	216	697
Automobile manufacturing	<1	231	-31	3,515
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	432	377	2,150
Truck trailer manufacturing	<1	111	87	574
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	42,635	42,270	175,801
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,421	1,804	19,433
Motor vehicle electrical and electronic equipment manufacturing	<1	10,752	11,463	87,338
Motor vehicle transmission and power train parts manufacturing	<1	7,101	5,302	55,945
Motor vehicle seating and interior trim manufacturing	<1	5,710	5,110	31,002
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	22,238	16,858	127,340

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	13,092	9,583	80,143
Aircraft manufacturing	<1	29	68	206
Aircraft engine and engine parts manufacturing	<1	3	6	25
Other aircraft parts and auxiliary equipment manufacturing	<1	626	907	2,137
Guided missile and space vehicle manufacturing	<1	7,374	11,450	27,510
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	357	505	1,164
Railroad rolling stock manufacturing	<1	11	13	79
Ship building and repairing	0	0	0	0
Boat building	<1	12,643	17,007	49,253
Motorcycle, bicycle, and parts manufacturing	<1	2,704	8,820	27,809
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	87	164	978
Wood kitchen cabinet and countertop manufacturing	<1	31,644	57,616	117,176
Upholstered household furniture manufacturing	<1	460	571	2,018
Nonupholstered wood household furniture manufacturing	<1	8,972	12,605	33,048
Other household nonupholstered furniture manufacturing	<1	834	1,728	5,748
Institutional furniture manufacturing	<1	619	731	2,355
Wood office furniture manufacturing	<1	661	1,197	2,950
Custom architectural woodwork and millwork	<1	1,367	1,368	4,092
Office furniture, except wood, manufacturing	<1	4,052	9,837	25,739
Showcase, partition, shelving, and locker manufacturing	<1	4,527	8,918	21,210
Mattress manufacturing	<1	12,205	31,272	89,084
Blind and shade manufacturing	<1	11,143	12,228	33,766
Surgical and medical instrument manufacturing	<1	15,541	36,457	79,582
Surgical appliance and supplies manufacturing	<1	9,742	24,731	56,913
Dental equipment and supplies manufacturing	<1	674	1,451	3,656

Appendix

Ophthalmic goods manufacturing	<1	795	2,048	4,320
Dental laboratories	<1	5,398	5,654	10,966
Jewelry and silverware manufacturing	<1	16,836	27,429	71,450
Sporting and athletic goods manufacturing	<1	9,184	15,249	51,067
Doll, toy, and game manufacturing	<1	5,810	12,073	34,221
Office supplies (except paper) manufacturing	<1	1,186	2,063	8,188
Sign manufacturing	<1	20,155	18,975	52,945
Gasket, packing, and sealing device manufacturing	<1	12,378	17,408	43,379
Musical instrument manufacturing	<1	180	206	671
Fasteners, buttons, needles, and pins manufacturing	<1	204	318	1,108
Broom, brush, and mop manufacturing	<1	570	1,099	3,076
Burial casket manufacturing	<1	242	332	819
All other miscellaneous manufacturing	<1	22,969	34,179	92,709
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	161,124	321,262	722,082
Wholesale - Professional and commercial equipment and supplies	6	785,209	1,154,016	1,885,986
Wholesale - Household appliances and electrical and electronic goods	2	288,258	596,723	1,186,738
Wholesale - Machinery, equipment, and supplies	4	368,218	630,762	1,080,946
Wholesale - Other durable goods merchant wholesalers	8	696,575	1,075,212	2,005,693
Wholesale - Drugs and druggists' sundries	3	389,612	979,471	1,922,098
Wholesale - Grocery and related product wholesalers	10	749,317	962,807	1,865,109
Wholesale - Petroleum and petroleum products	1	159,991	871,180	1,083,749
Wholesale - Other nondurable goods merchant wholesalers	13	1,128,443	1,936,785	3,650,458
Wholesale - Wholesale electronic markets and agents and brokers	4	447,446	459,783	525,447
Retail - Motor vehicle and parts dealers	9	575,179	901,663	1,287,127
Retail - Furniture and home furnishings stores	6	301,445	399,956	629,275
Retail - Electronics and appliance stores	7	319,242	337,274	575,618

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Retail - Building material and garden equipment and supplies stores	7	311,858	591,441	873,671
Retail - Food and beverage stores	26	879,529	1,215,223	1,959,176
Retail - Health and personal care stores	11	513,383	640,651	983,838
Retail - Gasoline stores	8	242,578	423,576	784,334
Retail - Clothing and clothing accessories stores	13	350,800	585,230	1,198,140
Retail - Sporting goods, hobby, musical instrument and book stores	8	250,384	328,500	517,220
Retail - General merchandise stores	28	893,676	1,338,715	2,156,104
Retail - Miscellaneous store retailers	16	454,472	555,652	880,649
Retail - Nonstore retailers	22	449,936	1,617,360	3,422,730
Air transportation	8	923,689	2,074,429	3,460,613
Rail transportation	1	179,482	501,316	777,627
Water transportation	<1	6,894	6,256	40,765
Truck transportation	18	1,209,160	1,469,940	2,858,979
Transit and ground passenger transportation	34	370,213	462,349	819,803
Pipeline transportation	<1	1,258,045	992,140	1,004,059
Scenic and sightseeing transportation and support activities for transportation	11	548,903	607,881	1,423,624
Couriers and messengers	14	446,119	640,162	1,128,734
Warehousing and storage	13	458,959	511,071	1,072,610
Newspaper publishers	2	116,581	193,350	244,399
Periodical publishers	1	114,871	177,917	271,338
Book publishers	<1	54,912	162,537	271,252
Directory, mailing list, and other publishers	2	203,239	526,464	706,316
Greeting card publishing	<1	5,985	15,604	22,685
Software publishers	8	1,199,102	2,635,680	2,891,261
Motion picture and video industries	4	150,531	268,767	831,809
Sound recording industries	<1	13,057	87,379	182,774
Radio and television broadcasting	3	259,581	341,343	1,144,753
Cable and other subscription programming	2	153,687	1,179,411	3,242,106
Wired telecommunications carriers	8	321,645	1,979,332	3,761,080
Wireless telecommunications carriers (except satellite)	1	19,058	1,047,513	2,459,238

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Satellite, telecommunications resellers, and all other telecommunications	2	74,806	165,464	588,573
Data processing, hosting, and related services	7	782,578	1,518,891	3,640,498
News syndicates, libraries, archives and all other information services	<1	25,062	36,957	81,812
Internet publishing and broadcasting and web search portals	4	508,852	1,039,591	4,169,456
Nondepository credit intermediation and related activities	13	1,431,123	1,773,851	2,866,858
Securities and commodity contracts intermediation and brokerage	23	1,426,068	1,241,345	2,819,339
Monetary authorities and depository credit intermediation	25	2,257,766	5,833,768	9,944,189
Other financial investment activities	23	1,272,078	1,622,273	4,705,338
Direct life insurance carriers	5	582,861	914,618	1,363,799
Insurance carriers, except direct life	17	1,499,560	3,488,124	8,924,522
Insurance agencies, brokerages, and related activities	19	1,511,503	2,103,959	5,207,901
Funds, trusts, and other financial vehicles	6	172,535	204,885	1,710,988
Other real estate	189	4,645,960	13,074,952	35,186,111
Tenant-occupied housing	15	344,773	4,214,325	4,847,894
Owner-occupied dwellings	0	0	12,433,102	15,783,276
Automotive equipment rental and leasing	4	171,067	496,344	827,163
General and consumer goods rental except video tapes and discs	7	297,275	404,847	769,604
Video tape and disc rental	1	58,283	96,399	149,699
Commercial and industrial machinery and equipment rental and leasing	4	231,072	645,115	1,006,936
Lessors of nonfinancial intangible assets	<1	67,182	1,117,573	1,312,222
Legal services	34	3,275,055	4,519,042	6,409,805
Accounting, tax preparation, bookkeeping, and payroll services	23	1,766,690	2,394,834	3,433,877
Architectural, engineering, and related services	23	2,090,226	2,296,868	3,874,977
Specialized design services	3	217,131	350,648	527,318
Custom computer programming services	8	830,171	892,104	1,222,207

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Computer systems design services	12	1,193,570	1,195,500	1,503,979
Other computer related services, including facilities management	3	288,145	547,244	878,349
Management consulting services	215	20,985,848	21,842,698	33,428,024
Environmental and other technical consulting services	8	679,298	715,092	1,050,672
Scientific research and development services	404	40,796,351	52,059,649	95,677,666
Advertising, public relations, and related services	16	1,156,294	1,572,515	2,810,063
Photographic services	1	53,005	135,052	246,795
Veterinary services	4	210,687	265,243	410,007
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,054,407	2,023,847	3,457,068
Management of companies and enterprises	43	6,439,444	7,358,185	11,301,034
Office administrative services	5	361,568	125,615	321,767
Facilities support services	3	170,123	237,438	495,427
Employment services	69	3,142,517	4,257,325	6,266,494
Business support services	24	1,170,204	927,972	1,656,122
Travel arrangement and reservation services	5	343,358	424,892	929,374
Investigation and security services	15	588,392	564,622	830,847
Services to buildings	29	876,699	1,130,700	2,178,119
Landscape and horticultural services	19	834,173	974,563	1,695,727
Other support services	9	582,376	710,796	1,204,287
Waste management and remediation services	6	444,109	760,326	1,389,363
Elementary and secondary schools	6	215,555	185,313	223,666
Junior colleges, colleges, universities, and professional schools	1,050	41,754,833	56,127,778	77,968,204
Other educational services	14	501,929	559,665	1,106,886
Offices of physicians	30	3,284,926	3,415,891	4,794,716
Offices of dentists	10	672,340	831,022	1,191,374
Offices of other health practitioners	11	532,634	756,992	1,044,442
Outpatient care centers	11	887,253	805,830	1,322,425
Medical and diagnostic laboratories	3	256,794	362,271	525,079
Home health care services	17	778,426	740,397	959,036
Other ambulatory health care services	3	206,897	228,424	362,980

Appendix

Hospitals	37	3,049,973	3,583,904	6,876,975
Nursing and community care facilities	18	772,309	867,259	1,501,447
Residential mental retardation, mental health, substance abuse and other facilities	4	187,380	202,675	303,954
Individual and family services	30	886,413	766,056	1,145,301
Child day care services	12	348,012	510,816	680,339
Community food, housing, and other relief services, including rehabilitation services	6	232,956	228,850	490,280
Performing arts companies	4	107,270	163,107	272,962
Commercial Sports Except Racing	14	677,500	595,400	847,024
Racing and Track Operation	<1	12,827	22,688	38,607
Independent artists, writers, and performers	5	145,578	538,070	721,947
Promoters of performing arts and sports and agents for public figures	7	228,411	452,201	792,495
Museums, historical sites, zoos, and parks	2	70,560	94,145	157,017
Amusement parks and arcades	1	33,856	112,789	141,960
Gambling industries (except casino hotels)	7	269,515	784,652	1,150,851
Other amusement and recreation industries	9	303,778	436,338	667,578
Fitness and recreational sports centers	7	176,469	308,942	477,678
Bowling centers	1	30,844	54,325	84,520
Hotels and motels, including casino hotels	12	416,043	831,015	1,312,644
Other accommodations	2	80,072	116,495	161,494
Full-service restaurants	79	2,208,747	3,227,758	5,374,933
Limited-service restaurants	57	1,271,386	2,116,145	4,437,519
All other food and drinking places	41	1,147,785	1,704,477	2,601,236
Automotive repair and maintenance, except car washes	25	1,430,977	1,533,610	2,293,052
Car washes	10	576,042	893,638	1,323,984
Electronic and precision equipment repair and maintenance	5	362,473	440,317	687,302
Commercial and industrial machinery and equipment repair and maintenance	5	420,980	436,702	640,616
Personal and household goods repair and maintenance	3	151,429	291,501	416,122
Personal care services	18	562,767	487,499	651,166
Death care services	2	64,834	39,514	59,175

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Dry-cleaning and laundry services	8	272,330	154,009	218,534
Other personal services	12	388,733	482,665	703,558
Religious organizations	21	1,129,735	605,215	1,839,229
Grantmaking, giving, and social advocacy organizations	4	293,197	975,708	1,419,097
Business and professional associations	4	294,775	520,119	878,434
Labor and civic organizations	5	215,957	623,627	937,418
Private households	15	218,121	218,121	218,121
Postal service	8	738,193	738,506	782,564
Federal electric utilities	0	0	0	0
Other federal government enterprises	17	952,642	356,986	3,028,061
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	2	155,297	-95,382	123,293
Local government electric utilities	<1	119,508	345,791	604,172
Other local government enterprises	12	1,258,741	2,636,616	4,682,085
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	8	1,335,092	1,656,577	3,789,798

Connecticut

NASA

Table 646: Detailed NASA Impacts by Types of Impact, Connecticut

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	485	42,906,610	64,202,188	107,556,475
Oilseed farming	<1	7	11	86
Grain farming	<1	629	1,942	5,478
Vegetable and melon farming	<1	2,041	4,889	7,628
Fruit farming	<1	1,732	4,482	5,267
Tree nut farming	<1	2	5	6
Greenhouse, nursery, and floriculture production	<1	8,491	13,923	21,842
Tobacco farming	<1	3,979	4,930	7,302
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,178	1,865	3,134
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	355	2,127	6,335
Dairy cattle and milk production	<1	663	2,200	10,042
Poultry and egg production	<1	347	865	5,230
Animal production, except cattle and poultry and eggs	<1	6,736	28,159	39,397
Forestry, forest products, and timber tract production	<1	1,854	1,929	2,245
Commercial logging	<1	2,918	2,900	4,528
Commercial fishing	<1	4,727	3,953	4,206
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	27,810	19,178	24,763
Oil and gas extraction	<1	21,435	25,620	85,014
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	120	4,507	7,712
Sand and gravel mining	<1	711	8,147	14,496

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	7	80	158
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	21	23	52
Metal mining services	<1	197	256	1,124
Other nonmetallic minerals services	<1	17	21	85
Electric power generation - Hydroelectric	<1	1,403	6,981	11,841
Electric power generation - Fossil fuel	<1	11,559	69,921	132,897
Electric power generation - Nuclear	<1	37,259	123,129	216,255
Electric power generation - Solar	<1	890	5,304	9,054
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,401	25,529	51,968
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	86,418	461,700	831,337
Natural gas distribution	<1	32,839	132,535	225,170
Water, sewage and other systems	<1	9,560	25,896	37,514
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	141,399	131,197	337,208
Maintenance and repair construction of residential structures	<1	50,622	51,292	123,659
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	41	40	99
Dog and cat food manufacturing	<1	252	715	3,775
Other animal food manufacturing	<1	3,018	6,126	30,151
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	169	328	4,673
Breakfast cereal manufacturing	<1	1,414	3,312	18,633
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	74	110	484
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	985	1,338	8,311
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	3,149	4,267	17,148
Canned fruits and vegetables manufacturing	<1	1,149	2,215	8,763
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	795	1,124	11,750
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2,570	3,928	22,271
Creamery butter manufacturing	<1	229	951	6,310
Ice cream and frozen dessert manufacturing	<1	1,694	2,299	10,839
Frozen cakes and other pastries manufacturing	<1	4,200	5,760	10,076

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Poultry processing	<1	593	726	2,771
Animal, except poultry, slaughtering	<1	770	1,048	5,871
Meat processed from carcasses	<1	2,773	2,953	22,431
Rendering and meat byproduct processing	<1	204	279	1,081
Seafood product preparation and packaging	<1	891	1,097	4,753
Bread and bakery product, except frozen, manufacturing	<1	13,611	18,592	44,595
Cookie and cracker manufacturing	<1	24	36	445
Dry pasta, mixes, and dough manufacturing	<1	718	1,499	4,933
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1,097	1,587	5,961
Other snack food manufacturing	<1	4,841	10,581	39,417
Coffee and tea manufacturing	<1	1,188	2,084	8,735
Flavoring syrup and concentrate manufacturing	<1	357	2,490	4,270
Mayonnaise, dressing, and sauce manufacturing	<1	41	76	285
Spice and extract manufacturing	<1	460	728	2,090
All other food manufacturing	<1	535	771	4,332
Bottled and canned soft drinks & water	<1	7,497	11,382	47,603
Manufactured ice	<1	307	180	717
Breweries	<1	3,540	7,574	25,709
Wineries	<1	1,594	2,530	12,669
Distilleries	<1	5,018	15,147	26,703
Tobacco product manufacturing	<1	2,115	41,359	66,973
Fiber, yarn, and thread mills	<1	470	664	3,144
Broadwoven fabric mills	<1	2	2	8
Narrow fabric mills and schiffli machine embroidery	<1	433	461	1,087
Nonwoven fabric mills	<1	178	253	1,033
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	253	296	844
Fabric coating mills	<1	2,703	3,195	12,747
Carpet and rug mills	<1	2,740	3,946	15,752
Curtain and linen mills	<1	216	254	750
Textile bag and canvas mills	<1	1,981	2,195	5,185
Rope, cordage, twine, tire cord and tire fabric mills	<1	244	306	727
Other textile product mills	<1	258	293	803
Hosiery and sock mills	<1	48	68	137

Appendix

Other apparel knitting mills	<1	50	72	143
Cut and sew apparel contractors	<1	190	224	503
Mens and boys cut and sew apparel manufacturing	<1	43	61	141
Womens and girls cut and sew apparel manufacturing	<1	68	101	436
Other cut and sew apparel manufacturing	<1	37	58	149
Apparel accessories and other apparel manufacturing	<1	115	151	397
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	256	271	516
Sawmills	<1	1,030	1,436	6,970
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	258	345	1,238
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	670	845	2,850
Cut stock, resawing lumber, and planing	<1	16	23	68
Other millwork, including flooring	<1	3,551	4,891	14,896
Wood container and pallet manufacturing	<1	1,595	1,967	6,475
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	238	297	1,074
All other miscellaneous wood product manufacturing	<1	958	1,249	4,713
Pulp mills	0	0	0	0
Paper mills	<1	12,091	15,465	77,772
Paperboard mills	<1	544	770	4,030
Paperboard container manufacturing	<1	7,666	9,232	44,021
Paper bag and coated and treated paper manufacturing	<1	7,218	8,947	34,644
Stationery product manufacturing	<1	279	355	2,027
Sanitary paper product manufacturing	<1	1,429	2,079	8,420
All other converted paper product manufacturing	<1	597	697	2,132

Appendix

Printing	<1	62,042	78,216	156,408
Support activities for printing	<1	2,621	3,150	4,809
Petroleum refineries	<1	1,518	18,245	86,732
Asphalt paving mixture and block manufacturing	<1	1,704	3,309	10,135
Asphalt shingle and coating materials manufacturing	<1	593	3,291	5,731
Petroleum lubricating oil and grease manufacturing	<1	6,357	29,987	80,173
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	36,028	53,167	109,252
Industrial gas manufacturing	<1	21,852	21,817	29,101
Synthetic dye and pigment manufacturing	<1	6,941	6,847	9,948
Other basic inorganic chemical manufacturing	<1	3,469	3,492	7,610
Other basic organic chemical manufacturing	<1	12,345	14,573	68,007
Plastics material and resin manufacturing	<1	10,941	11,408	37,438
Synthetic rubber manufacturing	<1	331	338	751
Artificial and synthetic fibers and filaments manufacturing	<1	1,051	1,083	1,867
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1,073	1,118	2,541
Pesticide and other agricultural chemical manufacturing	<1	5,802	7,410	27,523
Medicinal and botanical manufacturing	<1	6,240	5,778	11,300
Pharmaceutical preparation manufacturing	<1	7,835	10,380	34,288
In-vitro diagnostic substance manufacturing	<1	456	438	646
Biological product (except diagnostic) manufacturing	<1	11,087	11,511	18,446
Paint and coating manufacturing	<1	10,021	9,920	21,912
Adhesive manufacturing	<1	12,577	12,630	29,459
Soap and other detergent manufacturing	<1	9,648	10,374	26,058
Polish and other sanitation good manufacturing	<1	4,029	4,102	8,247
Surface active agent manufacturing	<1	996	1,157	2,824
Toilet preparation manufacturing	<1	4,873	5,436	13,570
Printing ink manufacturing	<1	2,998	3,086	5,745

Appendix

Explosives manufacturing	<1	822	847	1,401
Custom compounding of purchased resins	<1	19,776	21,322	44,321
Photographic film and chemical manufacturing	<1	8,420	9,131	20,954
Other miscellaneous chemical product manufacturing	<1	11,025	11,086	23,386
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,461	3,445	11,383
Unlaminated plastics profile shape manufacturing	<1	2,653	4,582	16,235
Plastics pipe and pipe fitting manufacturing	<1	132	271	1,060
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	991	1,521	5,576
Polystyrene foam product manufacturing	<1	1,031	1,501	5,539
Urethane and other foam product (except polystyrene) manufacturing	<1	1,989	2,764	10,145
Plastics bottle manufacturing	<1	306	436	2,369
Other plastics product manufacturing	<1	17,904	23,086	71,643
Tire manufacturing	<1	626	867	4,901
Rubber and plastics hoses and belting manufacturing	<1	95	125	386
Other rubber product manufacturing	<1	5,257	6,687	21,086
Pottery, ceramics, and plumbing fixture manufacturing	<1	283	370	737
Brick, tile, and other structural clay product manufacturing	<1	781	1,178	3,200
Flat glass manufacturing	<1	13	23	66
Other pressed and blown glass and glassware manufacturing	<1	95	143	408
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	737	1,091	2,725
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	3,411	5,061	16,300
Concrete block and brick manufacturing	<1	878	1,349	3,346
Concrete pipe manufacturing	<1	66	96	240
Other concrete product manufacturing	<1	4,335	5,518	12,441
Lime manufacturing	<1	2,360	4,474	11,857
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	<1	1,778	3,647	6,056
Cut stone and stone product manufacturing	<1	3,180	3,659	8,076
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	242	448	1,104
Miscellaneous nonmetallic mineral products manufacturing	<1	55	117	294
Iron and steel mills and ferroalloy manufacturing	2	277,885	371,564	2,573,059
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	5,769	7,357	48,106
Steel wire drawing	<1	2,492	2,594	15,172
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	5,106	6,896	38,947
Other aluminum rolling, drawing and extruding	<1	1,696	1,917	8,209
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	8,891	10,521	88,765
Nonferrous metal, except copper and aluminum, shaping	<1	4,183	4,575	18,224
Secondary processing of other nonferrous metals	<1	29	32	259
Ferrous metal foundries	<1	2,839	3,034	9,283
Nonferrous metal foundries	<1	2,232	2,530	6,429
Custom roll forming	<1	606	1,018	4,544
Crown and closure manufacturing and metal stamping	<1	20,542	25,827	64,523
Iron and steel forging	<1	4,995	7,962	24,944
Nonferrous forging	<1	1,407	2,014	6,291
Cutlery, utensil, pot, and pan manufacturing	<1	7,376	17,636	34,421
Handtool manufacturing	<1	3,867	6,114	11,154
Prefabricated metal buildings and components manufacturing	<1	222	314	931
Fabricated structural metal manufacturing	<1	3,489	5,050	13,409
Plate work manufacturing	<1	7,301	8,292	25,138
Metal window and door manufacturing	<1	2,050	2,732	5,806
Sheet metal work manufacturing	<1	5,955	7,789	17,938

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Ornamental and architectural metal work manufacturing	<1	4,712	6,011	13,049
Power boiler and heat exchanger manufacturing	<1	8,946	13,966	35,652
Metal tank (heavy gauge) manufacturing	<1	44	57	164
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	1,811	2,291	8,139
Hardware manufacturing	<1	14,638	22,033	43,096
Spring and wire product manufacturing	<1	5,686	7,611	16,899
Machine shops	8	702,969	853,282	1,554,517
Turned product and screw, nut, and bolt manufacturing	<1	15,492	22,382	56,807
Metal heat treating	<1	5,496	7,823	17,579
Metal coating and nonprecious engraving	<1	5,877	9,931	22,248
Electroplating, anodizing, and coloring metal	<1	5,920	6,802	14,222
Valve and fittings, other than plumbing, manufacturing	<1	5,692	8,820	21,773
Plumbing fixture fitting and trim manufacturing	<1	1,859	4,882	13,502
Ball and roller bearing manufacturing	<1	3,983	6,935	16,737
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	97	122	242
Small arms, ordnance, and accessories manufacturing	<1	4,684	8,377	15,962
Fabricated pipe and pipe fitting manufacturing	<1	485	598	1,298
Other fabricated metal manufacturing	<1	2,458	3,188	6,907
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	478	702	3,432
Construction machinery manufacturing	<1	88	147	402
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	29	38	118
Semiconductor machinery manufacturing	<1	984	1,094	3,198
Food product machinery manufacturing	<1	13	14	47

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Sawmill, woodworking, and paper machinery	<1	47	53	181
Printing machinery and equipment manufacturing	<1	85	93	274
All other industrial machinery manufacturing	<1	109	126	332
Optical instrument and lens manufacturing	<1	128	157	351
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	1,355	1,778	4,324
Air purification and ventilation equipment manufacturing	<1	289	348	843
Heating equipment (except warm air furnaces) manufacturing	<1	604	759	2,337
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	157	226	730
Industrial mold manufacturing	<1	1,086	1,189	2,393
Special tool, die, jig, and fixture manufacturing	<1	2,987	3,411	6,328
Cutting tool and machine tool accessory manufacturing	<1	1,110	1,202	2,748
Machine tool manufacturing	<1	692	790	2,185
Rolling mill and other metalworking machinery manufacturing	<1	387	425	875
Turbine and turbine generator set units manufacturing	<1	142	165	501
Speed changer, industrial high-speed drive, and gear manufacturing	<1	219	277	810
Mechanical power transmission equipment manufacturing	<1	5,039	6,471	14,668
Other engine equipment manufacturing	<1	658	1,044	4,198
Pump and pumping equipment manufacturing	<1	110	154	538
Air and gas compressor manufacturing	<1	7	10	44
Elevator and moving stairway manufacturing	<1	10	12	46
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	12
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	<1	60	105	269
Welding and soldering equipment manufacturing	<1	111	137	407
Packaging machinery manufacturing	<1	97	118	328
Industrial process furnace and oven manufacturing	<1	143	157	403
Fluid power cylinder and actuator manufacturing	<1	203	250	711
Fluid power pump and motor manufacturing	<1	86	112	360
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	354	400	1,016
Electronic computer manufacturing	<1	618	1,520	7,445
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	18,982	36,213	107,639
Telephone apparatus manufacturing	<1	69	115	316
Broadcast and wireless communications equipment manufacturing	<1	92	151	384
Other communications equipment manufacturing	<1	828	1,468	3,931
Audio and video equipment manufacturing	<1	76	136	365
Printed circuit assembly (electronic assembly) manufacturing	<1	1,462	2,812	10,346
Bare printed circuit board manufacturing	<1	774	1,081	3,009
Semiconductor and related device manufacturing	<1	186	338	986
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,597	2,397	6,298
Electronic connector manufacturing	<1	1,815	2,924	7,208
Other electronic component manufacturing	<1	771	1,092	2,975
Electromedical and electrotherapeutic apparatus manufacturing	<1	29	60	145
Search, detection, and navigation instruments manufacturing	<1	43,579	81,568	165,495
Automatic environmental control manufacturing	<1	477	669	1,391

Appendix

Industrial process variable instruments manufacturing	<1	1,555	2,605	5,815
Totalizing fluid meter and counting device manufacturing	<1	175	415	1,076
Electricity and signal testing instruments manufacturing	<1	599	1,035	3,516
Analytical laboratory instrument manufacturing	1	154,392	282,787	564,008
Irradiation apparatus manufacturing	<1	68	144	294
Watch, clock, and other measuring and controlling device manufacturing	<1	492	977	2,196
Blank magnetic and optical recording media manufacturing	<1	26	94	352
Software and other prerecorded and record reproducing	<1	8	13	30
Electric lamp bulb and part manufacturing	<1	1,915	3,108	6,351
Lighting fixture manufacturing	<1	1,936	2,527	5,664
Small electrical appliance manufacturing	<1	270	466	1,234
Household cooking appliance manufacturing	<1	334	569	1,520
Household refrigerator and home freezer manufacturing	<1	372	652	1,691
Household laundry equipment manufacturing	<1	855	1,245	3,952
Other major household appliance manufacturing	<1	136	248	610
Power, distribution, and specialty transformer manufacturing	<1	3	4	9
Motor and generator manufacturing	<1	818	1,202	3,378
Switchgear and switchboard apparatus manufacturing	<1	862	1,260	3,243
Relay and industrial control manufacturing	<1	2,268	2,857	7,928
Storage battery manufacturing	<1	770	984	2,775
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2,182	2,626	11,531
Other communication and energy wire manufacturing	<1	1,233	1,669	6,007
Wiring device manufacturing	<1	8,219	12,676	31,671
Carbon and graphite product manufacturing	<1	558	812	2,384
All other miscellaneous electrical equipment and component manufacturing	<1	31,104	33,903	85,963
Automobile manufacturing	<1	1,691	2,627	13,649

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	28	38	245
Motor vehicle body manufacturing	<1	8	8	37
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	578	647	3,171
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,064	2,364	12,237
Motor vehicle electrical and electronic equipment manufacturing	<1	11,216	11,622	52,578
Motor vehicle transmission and power train parts manufacturing	<1	2,036	2,486	14,703
Motor vehicle seating and interior trim manufacturing	<1	64	67	377
Motor vehicle metal stamping	<1	3,384	3,515	13,011
Other motor vehicle parts manufacturing	<1	13,736	14,547	67,564
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,419	4,108	18,904
Aircraft manufacturing	<1	181	256	873
Aircraft engine and engine parts manufacturing	<1	19,483	30,752	72,368
Other aircraft parts and auxiliary equipment manufacturing	<1	2,390	2,798	6,478
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	4,001	4,357	9,450
Boat building	<1	495	602	2,202
Motorcycle, bicycle, and parts manufacturing	<1	12	24	120
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	68	108	703
Wood kitchen cabinet and countertop manufacturing	<1	3,546	3,263	8,265
Upholstered household furniture manufacturing	<1	284	289	782

Appendix

Nonupholstered wood household furniture manufacturing	<1	396	381	1,006
Other household nonupholstered furniture manufacturing	<1	255	253	877
Institutional furniture manufacturing	<1	12	13	39
Wood office furniture manufacturing	<1	23	23	57
Custom architectural woodwork and millwork	<1	365	327	826
Office furniture, except wood, manufacturing	<1	35	33	109
Showcase, partition, shelving, and locker manufacturing	<1	133	121	365
Mattress manufacturing	<1	1,397	1,203	6,671
Blind and shade manufacturing	<1	129	130	427
Surgical and medical instrument manufacturing	<1	4,268	16,009	26,222
Surgical appliance and supplies manufacturing	<1	1,457	6,127	9,973
Dental equipment and supplies manufacturing	<1	89	310	571
Ophthalmic goods manufacturing	<1	89	410	716
Dental laboratories	<1	303	333	637
Jewelry and silverware manufacturing	<1	719	1,182	2,728
Sporting and athletic goods manufacturing	<1	284	702	1,842
Doll, toy, and game manufacturing	<1	45	154	353
Office supplies (except paper) manufacturing	<1	365	973	2,383
Sign manufacturing	<1	1,920	1,955	4,856
Gasket, packing, and sealing device manufacturing	<1	1,026	2,022	4,113
Musical instrument manufacturing	<1	83	113	310
Fasteners, buttons, needles, and pins manufacturing	<1	737	1,591	3,255
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	143	267	616
All other miscellaneous manufacturing	<1	1,679	3,328	7,021
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	24,176	57,526	121,635
Wholesale - Professional and commercial equipment and supplies	<1	131,078	215,578	337,681

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	47,352	113,415	215,494
Wholesale - Machinery, equipment, and supplies	<1	53,848	102,612	161,543
Wholesale - Other durable goods merchant wholesalers	1	137,471	243,953	424,230
Wholesale - Drugs and druggists' sundries	<1	79,330	228,905	383,800
Wholesale - Grocery and related product wholesalers	1	97,397	134,649	243,376
Wholesale - Petroleum and petroleum products	<1	10,009	130,276	145,523
Wholesale - Other nondurable goods merchant wholesalers	1	180,269	364,248	563,800
Wholesale - Wholesale electronic markets and agents and brokers	<1	103,817	107,838	119,776
Retail - Motor vehicle and parts dealers	1	99,455	148,772	211,458
Retail - Furniture and home furnishings stores	1	58,994	76,744	114,686
Retail - Electronics and appliance stores	1	63,937	54,370	92,903
Retail - Building material and garden equipment and supplies stores	1	68,647	113,749	164,061
Retail - Food and beverage stores	5	184,912	237,242	372,000
Retail - Health and personal care stores	2	107,836	130,391	195,567
Retail - Gasoline stores	<1	51,455	74,346	120,358
Retail - Clothing and clothing accessories stores	2	103,422	138,680	237,979
Retail - Sporting goods, hobby, musical instrument and book stores	1	47,599	62,001	92,930
Retail - General merchandise stores	4	111,092	171,537	278,721
Retail - Miscellaneous store retailers	3	90,845	107,061	160,363
Retail - Nonstore retailers	3	170,800	381,837	598,925
Air transportation	<1	46,329	83,717	136,774
Rail transportation	<1	33,741	10,245	105,626
Water transportation	<1	38,292	39,205	162,346
Truck transportation	2	192,484	214,717	397,100
Transit and ground passenger transportation	6	176,993	212,573	266,141
Pipeline transportation	<1	137,709	109,282	105,804
Scenic and sightseeing transportation and support activities for transportation	1	198,359	207,031	315,340

Appendix

Couriers and messengers	2	87,967	95,038	172,079
Warehousing and storage	2	107,561	115,847	217,272
Newspaper publishers	<1	18,149	31,633	39,718
Periodical publishers	<1	27,599	44,616	63,320
Book publishers	<1	8,823	27,607	43,334
Directory, mailing list, and other publishers	<1	7,665	21,665	29,439
Greeting card publishing	<1	1,426	3,974	5,520
Software publishers	6	940,087	2,175,336	2,354,724
Motion picture and video industries	<1	98,771	253,361	310,138
Sound recording industries	<1	1,514	18,549	24,127
Radio and television broadcasting	<1	39,383	51,569	127,063
Cable and other subscription programming	<1	116,126	825,280	1,256,007
Wired telecommunications carriers	<1	154,542	348,036	544,306
Wireless telecommunications carriers (except satellite)	<1	10,538	72,908	148,585
Satellite, telecommunications resellers, and all other telecommunications	<1	5,704	8,402	18,066
Data processing, hosting, and related services	3	391,672	702,387	1,744,338
News syndicates, libraries, archives and all other information services	<1	13,539	24,022	56,334
Internet publishing and broadcasting and web search portals	2	439,045	986,373	2,262,378
Nondepository credit intermediation and related activities	<1	175,649	218,058	285,977
Securities and commodity contracts intermediation and brokerage	2	469,631	361,941	456,782
Monetary authorities and depository credit intermediation	4	472,962	1,227,310	1,782,526
Other financial investment activities	4	772,436	778,487	1,178,956
Direct life insurance carriers	<1	183,153	375,721	445,455
Insurance carriers, except direct life	2	370,675	1,331,260	1,914,799
Insurance agencies, brokerages, and related activities	1	178,908	312,851	544,562
Funds, trusts, and other financial vehicles	<1	30,161	82,184	159,748
Other real estate	28	525,760	2,168,287	5,456,708
Tenant-occupied housing	2	36,660	803,879	892,537

Appendix

Owner-occupied dwellings	0	0	2,606,125	3,308,361
Automotive equipment rental and leasing	<1	82,242	138,059	172,579
General and consumer goods rental except video tapes and discs	<1	48,660	57,202	77,726
Video tape and disc rental	<1	9,261	14,457	21,567
Commercial and industrial machinery and equipment rental and leasing	<1	112,377	172,379	202,647
Lessors of nonfinancial intangible assets	<1	9,257	268,333	286,563
Legal services	7	719,057	1,196,346	1,590,739
Accounting, tax preparation, bookkeeping, and payroll services	3	303,001	402,652	533,919
Architectural, engineering, and related services	3	310,319	343,357	564,020
Specialized design services	<1	26,357	42,353	58,613
Custom computer programming services	2	209,557	218,629	287,211
Computer systems design services	2	244,066	210,481	262,985
Other computer related services, including facilities management	1	112,613	119,510	232,944
Management consulting services	21	2,882,014	2,989,185	4,120,835
Environmental and other technical consulting services	1	105,236	110,380	153,836
Scientific research and development services	117	13,622,466	16,542,782	29,157,456
Advertising, public relations, and related services	2	226,483	319,765	488,523
Photographic services	<1	6,112	15,592	27,782
Veterinary services	<1	35,924	44,780	64,190
Marketing research and all other miscellaneous professional, scientific, and technical services	3	438,392	808,744	1,168,819
Management of companies and enterprises	8	1,492,926	1,709,719	2,475,105
Office administrative services	3	275,217	129,339	241,340
Facilities support services	<1	3,363	4,759	8,130
Employment services	14	763,822	1,067,237	1,468,895
Business support services	2	106,348	90,804	139,564
Travel arrangement and reservation services	<1	44,399	55,644	110,930
Investigation and security services	2	98,136	95,718	133,445
Services to buildings	4	158,312	207,750	366,046
Landscape and horticultural services	2	125,329	147,659	238,797

Appendix

Other support services	<1	60,278	73,854	118,945
Waste management and remediation services	1	95,019	160,913	275,828
Elementary and secondary schools	2	163,005	138,404	155,384
Junior colleges, colleges, universities, and professional schools	32	2,256,691	3,088,403	3,742,788
Other educational services	2	70,026	83,315	151,667
Offices of physicians	6	711,707	739,033	1,000,127
Offices of dentists	2	141,874	168,473	234,871
Offices of other health practitioners	2	110,984	148,206	198,716
Outpatient care centers	2	172,417	156,058	259,221
Medical and diagnostic laboratories	<1	46,274	61,311	87,275
Home health care services	3	177,603	168,935	207,271
Other ambulatory health care services	<1	42,958	46,832	76,406
Hospitals	10	929,906	1,150,487	2,056,699
Nursing and community care facilities	3	173,192	209,447	329,359
Residential mental retardation, mental health, substance abuse and other facilities	2	86,474	97,994	144,157
Individual and family services	8	268,374	231,405	329,273
Child day care services	3	80,401	117,537	154,975
Community food, housing, and other relief services, including rehabilitation services	2	75,913	75,458	157,533
Performing arts companies	1	32,270	39,232	69,196
Commercial Sports Except Racing	<1	16,446	17,607	24,377
Racing and Track Operation	<1	6,695	9,597	13,797
Independent artists, writers, and performers	1	53,501	97,825	159,681
Promoters of performing arts and sports and agents for public figures	2	56,908	78,411	158,930
Museums, historical sites, zoos, and parks	<1	20,672	24,822	41,538
Amusement parks and arcades	<1	3,800	12,284	16,000
Gambling industries (except casino hotels)	<1	14,818	42,291	59,415
Other amusement and recreation industries	1	49,441	60,884	97,602
Fitness and recreational sports centers	1	33,912	53,215	84,003
Bowling centers	<1	3,266	5,785	9,181

Appendix

Hotels and motels, including casino hotels	<1	38,452	64,145	90,354
Other accommodations	<1	17,482	23,956	29,858
Full-service restaurants	10	322,801	477,142	746,714
Limited-service restaurants	6	156,794	256,723	497,971
All other food and drinking places	6	232,915	312,156	444,574
Automotive repair and maintenance, except car washes	3	257,057	268,342	373,481
Car washes	2	108,677	158,792	230,326
Electronic and precision equipment repair and maintenance	<1	71,143	90,780	130,232
Commercial and industrial machinery and equipment repair and maintenance	<1	86,115	87,834	115,536
Personal and household goods repair and maintenance	<1	29,505	49,912	67,363
Personal care services	3	125,391	106,045	137,417
Death care services	<1	29,358	13,732	19,950
Dry-cleaning and laundry services	2	65,093	28,047	39,969
Other personal services	2	64,160	79,389	107,240
Religious organizations	3	184,343	60,381	269,222
Grantmaking, giving, and social advocacy organizations	<1	63,454	178,131	257,594
Business and professional associations	<1	37,580	61,355	96,542
Labor and civic organizations	2	46,535	121,702	225,723
Private households	2	57,468	57,460	57,460
Postal service	1	123,259	123,327	131,233
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,034	1,902	6,369
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	23,341	24,609	38,847
Local government passenger transit	<1	14,576	-26,084	2,648
Local government electric utilities	<1	8,362	15,958	30,914
Other local government enterprises	3	195,869	292,305	720,172
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	10	1,026,434	2,105,298	4,463,419

Moon to Mars Campaign

Table 647: Detailed M2M Campaign Impacts by Types of Impact, Connecticut

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>86</i>	<i>8,133,388</i>	<i>11,834,148</i>	<i>19,202,227</i>
Oilseed farming	<1	1	3	29
Grain farming	<1	108	377	981
Vegetable and melon farming	<1	367	901	1,404
Fruit farming	<1	347	912	1,078
Tree nut farming	<1	<1	1	1
Greenhouse, nursery, and floriculture production	<1	1,498	2,497	3,880
Tobacco farming	<1	1,342	1,737	2,709
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	187	305	508
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	59	354	1,057
Dairy cattle and milk production	<1	135	419	1,814
Poultry and egg production	<1	53	145	790
Animal production, except cattle and poultry and eggs	<1	1,024	4,959	7,023
Forestry, forest products, and timber tract production	<1	501	521	593
Commercial logging	<1	482	480	723
Commercial fishing	<1	926	682	731
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	5,641	3,865	5,013
Oil and gas extraction	<1	3,195	4,804	15,647

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	25	804	1,404
Sand and gravel mining	<1	165	1,710	2,981
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	2	18	35
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	3	3	7
Metal mining services	<1	19	29	128
Other nonmetallic minerals services	<1	3	4	16
Electric power generation - Hydroelectric	<1	267	1,321	2,190
Electric power generation - Fossil fuel	<1	2,836	16,319	28,671
Electric power generation - Nuclear	<1	8,477	28,359	47,290
Electric power generation - Solar	<1	149	923	1,550
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	580	4,650	8,821
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	17,787	94,294	161,421
Natural gas distribution	<1	6,242	26,022	42,189
Water, sewage and other systems	<1	1,518	4,094	5,638
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	27,012	25,291	63,605
Maintenance and repair construction of residential structures	<1	9,649	9,822	23,283
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8	8	19
Dog and cat food manufacturing	<1	39	117	598
Other animal food manufacturing	<1	598	1,268	5,974
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	64	128	1,702
Breakfast cereal manufacturing	<1	188	454	2,405
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	15	23	97
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	173	239	1,388
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	575	784	3,114
Canned fruits and vegetables manufacturing	<1	263	513	1,975

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	150	212	2,245
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	440	689	3,846
Creamery butter manufacturing	<1	40	161	1,038
Ice cream and frozen dessert manufacturing	<1	281	393	1,718
Frozen cakes and other pastries manufacturing	<1	753	1,028	1,779
Poultry processing	<1	92	117	433
Animal, except poultry, slaughtering	<1	107	148	819
Meat processed from carcasses	<1	527	568	4,272
Rendering and meat byproduct processing	<1	45	62	237
Seafood product preparation and packaging	<1	126	161	667
Bread and bakery product, except frozen, manufacturing	<1	2,357	3,234	7,681
Cookie and cracker manufacturing	<1	5	8	89
Dry pasta, mixes, and dough manufacturing	<1	126	265	903
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	222	336	1,183
Other snack food manufacturing	<1	909	2,024	7,346
Coffee and tea manufacturing	<1	184	336	1,360
Flavoring syrup and concentrate manufacturing	<1	95	652	1,113
Mayonnaise, dressing, and sauce manufacturing	<1	8	14	52
Spice and extract manufacturing	<1	106	174	465
All other food manufacturing	<1	112	161	879
Bottled and canned soft drinks & water	<1	1,346	2,101	8,542
Manufactured ice	<1	58	36	130
Breweries	<1	546	1,228	4,061
Wineries	<1	396	637	3,061
Distilleries	<1	917	2,856	4,799
Tobacco product manufacturing	<1	482	11,231	16,667
Fiber, yarn, and thread mills	<1	71	112	475
Broadwoven fabric mills	<1	<1	<1	1
Narrow fabric mills and schiffli machine embroidery	<1	112	121	277

Appendix

Nonwoven fabric mills	<1	45	68	253
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	73	86	235
Fabric coating mills	<1	699	812	3,101
Carpet and rug mills	<1	508	843	2,833
Curtain and linen mills	<1	45	54	153
Textile bag and canvas mills	<1	400	451	1,033
Rope, cordage, twine, tire cord and tire fabric mills	<1	36	48	109
Other textile product mills	<1	51	58	153
Hosiery and sock mills	<1	8	12	22
Other apparel knitting mills	<1	12	17	33
Cut and sew apparel contractors	<1	55	64	139
Mens and boys cut and sew apparel manufacturing	<1	10	15	31
Womens and girls cut and sew apparel manufacturing	<1	18	27	111
Other cut and sew apparel manufacturing	<1	8	13	31
Apparel accessories and other apparel manufacturing	<1	27	35	87
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	59	62	115
Sawmills	<1	155	217	1,062
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	34	45	160
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	99	126	421
Cut stock, resawing lumber, and planing	<1	2	4	11
Other millwork, including flooring	<1	573	788	2,328
Wood container and pallet manufacturing	<1	281	350	1,127
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	36	45	165
All other miscellaneous wood product manufacturing	<1	184	248	865
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	1,671	1,986	10,655
Paperboard mills	<1	73	100	539
Paperboard container manufacturing	<1	1,336	1,606	7,603
Paper bag and coated and treated paper manufacturing	<1	1,298	1,536	6,015
Stationery product manufacturing	<1	51	63	352
Sanitary paper product manufacturing	<1	255	346	1,474
All other converted paper product manufacturing	<1	94	109	347
Printing	<1	10,199	13,118	24,923
Support activities for printing	<1	491	590	886
Petroleum refineries	<1	277	3,234	15,284
Asphalt paving mixture and block manufacturing	<1	318	620	1,839
Asphalt shingle and coating materials manufacturing	<1	107	596	1,014
Petroleum lubricating oil and grease manufacturing	<1	6,032	27,854	68,176
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	14,266	22,362	42,621
Industrial gas manufacturing	<1	3,995	4,069	5,307
Synthetic dye and pigment manufacturing	<1	1,709	1,745	2,577
Other basic inorganic chemical manufacturing	<1	790	855	1,786
Other basic organic chemical manufacturing	<1	2,201	2,600	12,495
Plastics material and resin manufacturing	<1	2,070	2,186	7,251
Synthetic rubber manufacturing	<1	71	73	165
Artificial and synthetic fibers and filaments manufacturing	<1	341	339	594
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	215	235	520
Pesticide and other agricultural chemical manufacturing	<1	876	1,126	4,275
Medicinal and botanical manufacturing	<1	1,530	1,485	2,673
Pharmaceutical preparation manufacturing	<1	1,921	2,663	8,367
In-vitro diagnostic substance manufacturing	<1	157	152	224

Appendix

Biological product (except diagnostic) manufacturing	<1	3,769	4,175	6,254
Paint and coating manufacturing	<1	1,481	1,522	3,338
Adhesive manufacturing	<1	3,137	3,316	7,264
Soap and other detergent manufacturing	<1	2,098	2,511	5,329
Polish and other sanitation good manufacturing	<1	952	1,015	1,896
Surface active agent manufacturing	<1	187	243	539
Toilet preparation manufacturing	<1	1,136	1,334	3,187
Printing ink manufacturing	<1	394	406	756
Explosives manufacturing	<1	122	125	217
Custom compounding of purchased resins	<1	5,783	6,985	13,347
Photographic film and chemical manufacturing	<1	1,596	1,814	4,000
Other miscellaneous chemical product manufacturing	<1	1,896	1,990	4,230
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	434	609	1,967
Unlaminated plastics profile shape manufacturing	<1	437	757	2,598
Plastics pipe and pipe fitting manufacturing	<1	26	54	212
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	106	162	593
Polystyrene foam product manufacturing	<1	195	284	1,055
Urethane and other foam product (except polystyrene) manufacturing	<1	375	523	1,907
Plastics bottle manufacturing	<1	82	118	618
Other plastics product manufacturing	<1	3,380	4,390	13,162
Tire manufacturing	<1	91	128	741
Rubber and plastics hoses and belting manufacturing	<1	16	20	63
Other rubber product manufacturing	<1	1,405	1,784	5,732
Pottery, ceramics, and plumbing fixture manufacturing	<1	48	60	126
Brick, tile, and other structural clay product manufacturing	<1	96	141	393
Flat glass manufacturing	<1	2	4	12
Other pressed and blown glass and glassware manufacturing	<1	24	34	98
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	145	210	533
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	547	797	2,581
Concrete block and brick manufacturing	<1	177	261	671
Concrete pipe manufacturing	<1	11	16	41
Other concrete product manufacturing	<1	690	863	1,981
Lime manufacturing	<1	154	296	785
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	247	490	821
Cut stone and stone product manufacturing	<1	582	666	1,469
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	63	112	272
Miscellaneous nonmetallic mineral products manufacturing	<1	14	28	70
Iron and steel mills and ferroalloy manufacturing	<1	354	451	3,319
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	397	492	3,458
Steel wire drawing	<1	208	223	1,286
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	143	184	1,104
Other aluminum rolling, drawing and extruding	<1	100	111	477
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1,086	1,271	10,216
Nonferrous metal, except copper and aluminum, shaping	<1	743	786	3,278
Secondary processing of other nonferrous metals	<1	2	2	16
Ferrous metal foundries	<1	288	308	965
Nonferrous metal foundries	<1	208	229	585
Custom roll forming	<1	68	112	507
Crown and closure manufacturing and metal stamping	<1	3,822	4,802	11,783
Iron and steel forging	<1	540	853	2,651

Appendix

Nonferrous forging	<1	163	231	700
Cutlery, utensil, pot, and pan manufacturing	<1	1,423	3,486	6,690
Handtool manufacturing	<1	880	1,385	2,457
Prefabricated metal buildings and components manufacturing	<1	53	69	216
Fabricated structural metal manufacturing	<1	669	945	2,530
Plate work manufacturing	<1	351	400	1,192
Metal window and door manufacturing	<1	415	546	1,156
Sheet metal work manufacturing	<1	882	1,145	2,609
Ornamental and architectural metal work manufacturing	<1	776	975	2,109
Power boiler and heat exchanger manufacturing	<1	9	13	36
Metal tank (heavy gauge) manufacturing	<1	7	9	24
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	275	349	1,205
Hardware manufacturing	<1	2,827	4,202	8,200
Spring and wire product manufacturing	<1	1,446	1,847	4,154
Machine shops	<1	4,756	5,767	10,397
Turned product and screw, nut, and bolt manufacturing	<1	2,071	2,947	7,364
Metal heat treating	<1	614	866	1,948
Metal coating and nonprecious engraving	<1	1,020	1,702	3,839
Electroplating, anodizing, and coloring metal	<1	1,223	1,401	2,924
Valve and fittings, other than plumbing, manufacturing	<1	1,030	1,603	3,959
Plumbing fixture fitting and trim manufacturing	<1	307	802	2,183
Ball and roller bearing manufacturing	<1	883	1,501	3,507
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	13	17	33
Small arms, ordnance, and accessories manufacturing	<1	982	1,741	3,184
Fabricated pipe and pipe fitting manufacturing	<1	82	99	220
Other fabricated metal manufacturing	<1	455	590	1,256
Farm machinery and equipment manufacturing	0	0	0	0

Appendix

Lawn and garden equipment manufacturing	<1	129	198	893
Construction machinery manufacturing	<1	14	26	66
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	4	6	18
Semiconductor machinery manufacturing	<1	230	256	735
Food product machinery manufacturing	<1	3	3	11
Sawmill, woodworking, and paper machinery	<1	10	11	37
Printing machinery and equipment manufacturing	<1	4	4	11
All other industrial machinery manufacturing	<1	42	49	129
Optical instrument and lens manufacturing	<1	101	120	286
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	354	476	1,116
Air purification and ventilation equipment manufacturing	<1	76	94	228
Heating equipment (except warm air furnaces) manufacturing	<1	100	132	369
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	27	40	122
Industrial mold manufacturing	<1	151	168	332
Special tool, die, jig, and fixture manufacturing	<1	245	288	518
Cutting tool and machine tool accessory manufacturing	<1	121	132	300
Machine tool manufacturing	<1	64	75	208
Rolling mill and other metalworking machinery manufacturing	<1	60	68	136
Turbine and turbine generator set units manufacturing	<1	26	31	85
Speed changer, industrial high-speed drive, and gear manufacturing	<1	41	53	144
Mechanical power transmission equipment manufacturing	<1	483	632	1,400
Other engine equipment manufacturing	<1	118	197	681

Appendix

Pump and pumping equipment manufacturing	<1	27	39	132
Air and gas compressor manufacturing	<1	1	2	10
Elevator and moving stairway manufacturing	<1	1	2	7
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	24	43	102
Welding and soldering equipment manufacturing	<1	25	31	84
Packaging machinery manufacturing	<1	21	26	69
Industrial process furnace and oven manufacturing	<1	17	19	47
Fluid power cylinder and actuator manufacturing	<1	32	40	116
Fluid power pump and motor manufacturing	<1	34	45	140
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	74	85	209
Electronic computer manufacturing	<1	3	9	49
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	13	24	86
Telephone apparatus manufacturing	<1	12	20	53
Broadcast and wireless communications equipment manufacturing	<1	14	23	58
Other communications equipment manufacturing	<1	124	216	592
Audio and video equipment manufacturing	<1	20	35	93
Printed circuit assembly (electronic assembly) manufacturing	<1	347	682	2,456
Bare printed circuit board manufacturing	<1	127	177	513
Semiconductor and related device manufacturing	<1	65	118	328

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	193	293	759
Electronic connector manufacturing	<1	543	875	2,180
Other electronic component manufacturing	<1	261	371	982
Electromedical and electrotherapeutic apparatus manufacturing	<1	7	14	33
Search, detection, and navigation instruments manufacturing	<1	9	16	33
Automatic environmental control manufacturing	<1	127	178	377
Industrial process variable instruments manufacturing	<1	272	455	1,010
Totalizing fluid meter and counting device manufacturing	<1	33	78	202
Electricity and signal testing instruments manufacturing	<1	90	156	524
Analytical laboratory instrument manufacturing	<1	18,580	34,002	66,049
Irradiation apparatus manufacturing	<1	14	30	59
Watch, clock, and other measuring and controlling device manufacturing	<1	117	230	513
Blank magnetic and optical recording media manufacturing	<1	11	39	122
Software and other prerecorded and record reproducing	<1	2	3	5
Electric lamp bulb and part manufacturing	<1	448	759	1,486
Lighting fixture manufacturing	<1	628	800	1,764
Small electrical appliance manufacturing	<1	59	106	268
Household cooking appliance manufacturing	<1	60	111	284
Household refrigerator and home freezer manufacturing	<1	66	126	314
Household laundry equipment manufacturing	<1	153	237	733
Other major household appliance manufacturing	<1	25	51	121
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	137	198	567
Switchgear and switchboard apparatus manufacturing	<1	165	244	612

Appendix

Relay and industrial control manufacturing	<1	407	523	1,402
Storage battery manufacturing	<1	191	237	655
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	564	679	2,838
Other communication and energy wire manufacturing	<1	298	401	1,417
Wiring device manufacturing	<1	1,971	3,085	7,319
Carbon and graphite product manufacturing	<1	80	119	347
All other miscellaneous electrical equipment and component manufacturing	<1	19,803	22,083	57,218
Automobile manufacturing	<1	274	417	2,145
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	5	6	38
Motor vehicle body manufacturing	<1	1	1	6
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	84	95	445
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	301	333	1,800
Motor vehicle electrical and electronic equipment manufacturing	<1	1,912	1,954	8,225
Motor vehicle transmission and power train parts manufacturing	<1	479	573	3,048
Motor vehicle seating and interior trim manufacturing	<1	10	11	56
Motor vehicle metal stamping	<1	291	306	1,113
Other motor vehicle parts manufacturing	<1	2,310	2,243	11,306
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	654	783	3,534
Aircraft manufacturing	<1	28	38	135
Aircraft engine and engine parts manufacturing	<1	23,685	28,850	80,813
Other aircraft parts and auxiliary equipment manufacturing	<1	945	1,029	2,270
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	809	885	1,917
Boat building	<1	78	94	347
Motorcycle, bicycle, and parts manufacturing	<1	3	5	26
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	14	23	146
Wood kitchen cabinet and countertop manufacturing	<1	551	474	1,225
Upholstered household furniture manufacturing	<1	69	71	191
Nonupholstered wood household furniture manufacturing	<1	76	72	189
Other household nonupholstered furniture manufacturing	<1	57	55	188
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	4	4	10
Custom architectural woodwork and millwork	<1	67	59	147
Office furniture, except wood, manufacturing	<1	6	6	20
Showcase, partition, shelving, and locker manufacturing	<1	23	20	61
Mattress manufacturing	<1	270	218	1,243
Blind and shade manufacturing	<1	22	22	75
Surgical and medical instrument manufacturing	<1	842	3,153	4,936
Surgical appliance and supplies manufacturing	<1	350	1,503	2,337
Dental equipment and supplies manufacturing	<1	19	68	121
Ophthalmic goods manufacturing	<1	19	91	154
Dental laboratories	<1	67	74	140
Jewelry and silverware manufacturing	<1	130	215	491
Sporting and athletic goods manufacturing	<1	52	128	321
Doll, toy, and game manufacturing	<1	9	31	68
Office supplies (except paper) manufacturing	<1	61	165	382
Sign manufacturing	<1	266	275	676
Gasket, packing, and sealing device manufacturing	<1	188	369	739

Appendix

Musical instrument manufacturing	<1	24	34	89
Fasteners, buttons, needles, and pins manufacturing	<1	157	348	712
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	18	35	77
All other miscellaneous manufacturing	<1	1,076	2,146	4,394
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,809	11,577	24,413
Wholesale - Professional and commercial equipment and supplies	<1	25,546	41,988	65,290
Wholesale - Household appliances and electrical and electronic goods	<1	8,609	20,594	38,902
Wholesale - Machinery, equipment, and supplies	<1	10,295	19,574	30,753
Wholesale - Other durable goods merchant wholesalers	<1	20,843	37,156	64,371
Wholesale - Drugs and druggists' sundries	<1	15,602	45,059	74,180
Wholesale - Grocery and related product wholesalers	<1	17,160	23,729	42,713
Wholesale - Petroleum and petroleum products	<1	1,703	26,605	29,136
Wholesale - Other nondurable goods merchant wholesalers	<1	34,019	71,367	107,872
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,605	19,336	21,417
Retail - Motor vehicle and parts dealers	<1	18,309	27,396	38,695
Retail - Furniture and home furnishings stores	<1	11,011	14,328	21,212
Retail - Electronics and appliance stores	<1	11,820	10,200	17,116
Retail - Building material and garden equipment and supplies stores	<1	12,989	21,568	30,947
Retail - Food and beverage stores	<1	36,363	46,389	71,825
Retail - Health and personal care stores	<1	19,741	23,990	35,950
Retail - Gasoline stores	<1	10,050	14,074	22,125
Retail - Clothing and clothing accessories stores	<1	19,822	26,372	44,397
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,748	11,422	16,907
Retail - General merchandise stores	<1	19,808	30,751	49,927

Appendix

Retail - Miscellaneous store retailers	<1	17,120	20,149	29,576
Retail - Nonstore retailers	<1	31,084	73,779	114,182
Air transportation	<1	8,292	15,364	24,741
Rail transportation	<1	6,518	1,693	18,588
Water transportation	<1	9,598	9,958	39,507
Truck transportation	<1	51,816	57,504	106,558
Transit and ground passenger transportation	1	37,546	44,858	54,203
Pipeline transportation	<1	17,563	14,996	14,834
Scenic and sightseeing transportation and support activities for transportation	<1	44,036	46,173	71,025
Couriers and messengers	<1	14,837	16,405	29,660
Warehousing and storage	<1	19,072	20,598	38,383
Newspaper publishers	<1	3,092	5,417	6,702
Periodical publishers	<1	5,785	9,425	12,753
Book publishers	<1	1,499	4,716	7,307
Directory, mailing list, and other publishers	<1	955	2,787	3,757
Greeting card publishing	<1	269	799	1,054
Software publishers	<1	41,992	98,924	107,664
Motion picture and video industries	<1	19,817	50,320	55,847
Sound recording industries	<1	310	3,876	4,760
Radio and television broadcasting	<1	8,636	10,735	21,434
Cable and other subscription programming	<1	36,612	183,206	234,497
Wired telecommunications carriers	<1	27,297	59,344	91,803
Wireless telecommunications carriers (except satellite)	<1	1,952	13,783	27,562
Satellite, telecommunications resellers, and all other telecommunications	<1	999	1,439	3,007
Data processing, hosting, and related services	<1	13,540	23,918	57,064
News syndicates, libraries, archives and all other information services	<1	2,988	5,447	12,078
Internet publishing and broadcasting and web search portals	<1	26,402	60,045	130,624
Nondepository credit intermediation and related activities	<1	35,619	44,351	56,211
Securities and commodity contracts intermediation and brokerage	<1	95,912	72,543	83,744

Appendix

Monetary authorities and depository credit intermediation	<1	85,399	222,581	318,842
Other financial investment activities	<1	181,522	178,452	241,606
Direct life insurance carriers	<1	30,966	66,332	76,575
Insurance carriers, except direct life	<1	69,838	265,311	363,286
Insurance agencies, brokerages, and related activities	<1	32,089	57,730	97,213
Funds, trusts, and other financial vehicles	<1	6,544	18,306	30,441
Other real estate	6	123,721	490,115	1,153,865
Tenant-occupied housing	<1	7,252	163,699	178,390
Owner-occupied dwellings	0	0	525,694	667,345
Automotive equipment rental and leasing	<1	20,031	28,249	33,758
General and consumer goods rental except video tapes and discs	<1	9,183	10,240	13,284
Video tape and disc rental	<1	1,719	2,657	3,949
Commercial and industrial machinery and equipment rental and leasing	<1	20,616	28,841	33,292
Lessors of nonfinancial intangible assets	<1	1,622	48,252	51,213
Legal services	1	156,719	264,539	346,539
Accounting, tax preparation, bookkeeping, and payroll services	<1	55,161	75,395	97,312
Architectural, engineering, and related services	<1	71,983	80,779	130,901
Specialized design services	<1	4,389	7,310	9,829
Custom computer programming services	<1	28,005	28,981	37,499
Computer systems design services	<1	39,011	33,687	41,614
Other computer related services, including facilities management	<1	20,310	21,356	40,776
Management consulting services	2	217,456	226,994	304,802
Environmental and other technical consulting services	<1	22,569	23,959	32,977
Scientific research and development services	30	3,691,055	4,444,062	7,633,197
Advertising, public relations, and related services	<1	40,692	58,628	85,687
Photographic services	<1	1,040	2,849	4,838
Veterinary services	<1	6,840	8,738	12,251
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	63,019	120,489	168,625

Appendix

Management of companies and enterprises	2	325,078	374,536	532,497
Office administrative services	<1	62,360	31,434	53,885
Facilities support services	<1	592	841	1,354
Employment services	3	153,326	218,402	288,345
Business support services	<1	17,923	15,571	23,029
Travel arrangement and reservation services	<1	8,457	10,666	21,081
Investigation and security services	<1	18,540	18,186	24,613
Services to buildings	<1	32,746	43,715	73,852
Landscape and horticultural services	<1	23,892	28,406	44,799
Other support services	<1	10,515	12,994	20,480
Waste management and remediation services	<1	18,529	31,350	53,160
Elementary and secondary schools	<1	37,677	32,038	35,530
Junior colleges, colleges, universities, and professional schools	<1	74,398	101,589	118,209
Other educational services	<1	14,048	16,836	29,703
Offices of physicians	1	133,736	139,527	188,746
Offices of dentists	<1	26,968	32,517	44,873
Offices of other health practitioners	<1	20,581	28,109	37,359
Outpatient care centers	<1	33,281	30,325	50,875
Medical and diagnostic laboratories	<1	8,970	12,146	17,040
Home health care services	<1	33,609	32,115	39,684
Other ambulatory health care services	<1	8,229	9,050	14,644
Hospitals	2	197,667	242,792	431,820
Nursing and community care facilities	<1	33,904	41,037	63,302
Residential mental retardation, mental health, substance abuse and other facilities	<1	18,690	21,223	30,734
Individual and family services	2	53,846	46,867	65,998
Child day care services	<1	16,121	23,874	30,967
Community food, housing, and other relief services, including rehabilitation services	<1	16,385	16,344	33,405
Performing arts companies	<1	6,918	8,280	13,659
Commercial Sports Except Racing	<1	3,032	3,147	4,302
Racing and Track Operation	<1	1,396	2,005	2,614
Independent artists, writers, and performers	<1	11,595	19,689	31,444

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Promoters of performing arts and sports and agents for public figures	<1	11,594	15,577	29,881
Museums, historical sites, zoos, and parks	<1	3,972	4,764	7,843
Amusement parks and arcades	<1	809	2,345	3,054
Gambling industries (except casino hotels)	<1	2,975	8,276	11,477
Other amusement and recreation industries	<1	9,128	10,790	17,124
Fitness and recreational sports centers	<1	6,800	10,157	15,868
Bowling centers	<1	611	1,051	1,650
Hotels and motels, including casino hotels	<1	7,835	12,870	17,912
Other accommodations	<1	4,037	5,496	6,767
Full-service restaurants	2	58,969	88,115	135,319
Limited-service restaurants	1	30,045	49,563	93,602
All other food and drinking places	1	45,600	61,157	85,233
Automotive repair and maintenance, except car washes	<1	51,182	51,617	71,791
Car washes	<1	21,013	30,548	44,069
Electronic and precision equipment repair and maintenance	<1	9,930	12,778	17,941
Commercial and industrial machinery and equipment repair and maintenance	<1	14,206	14,253	18,503
Personal and household goods repair and maintenance	<1	5,817	9,581	12,894
Personal care services	<1	25,173	20,582	26,742
Death care services	<1	6,453	2,621	3,938
Dry-cleaning and laundry services	<1	13,875	5,186	7,656
Other personal services	<1	12,958	15,855	21,266
Religious organizations	<1	37,665	10,713	52,836
Grantmaking, giving, and social advocacy organizations	<1	14,182	37,249	54,095
Business and professional associations	<1	7,833	12,171	18,915
Labor and civic organizations	<1	10,145	24,973	47,129
Private households	<1	11,806	11,806	11,806
Postal service	<1	19,974	19,988	21,248
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	224	470	1,383
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	2,577	2,709	4,011
Local government passenger transit	<1	2,581	-4,829	376
Local government electric utilities	<1	1,476	2,666	5,117
Other local government enterprises	<1	35,549	50,333	123,613
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	256	306	700

Investments in Climate Change Research and Technology

Table 648: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Connecticut

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>238</i>	<i>19,878,366</i>	<i>29,223,571</i>	<i>48,975,567</i>
Oilseed farming	<1	3	4	32
Grain farming	<1	313	829	2,734
Vegetable and melon farming	<1	915	2,218	3,496
Fruit farming	<1	721	1,912	2,261
Tree nut farming	<1	<1	2	2
Greenhouse, nursery, and floriculture production	<1	3,960	6,606	10,614
Tobacco farming	<1	1,324	1,704	2,435
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	661	1,043	1,813
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	249	1,551	4,512

Appendix

Dairy cattle and milk production	<1	270	943	4,408
Poultry and egg production	<1	206	495	3,257
Animal production, except cattle and poultry and eggs	<1	4,818	17,286	23,252
Forestry, forest products, and timber tract production	<1	885	928	1,107
Commercial logging	<1	1,376	1,368	2,226
Commercial fishing	<1	1,966	2,397	2,481
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	17,356	12,114	15,574
Oil and gas extraction	<1	11,417	13,362	44,427
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	59	2,638	4,325
Sand and gravel mining	<1	375	4,593	8,129
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	3	45	90
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	12	13	28
Metal mining services	<1	180	245	993
Other nonmetallic minerals services	<1	13	15	58
Electric power generation - Hydroelectric	<1	756	3,548	5,919
Electric power generation - Fossil fuel	<1	5,222	32,868	64,803
Electric power generation - Nuclear	<1	20,459	68,433	123,884
Electric power generation - Solar	<1	377	2,311	4,010
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	1,512	10,922	23,400
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	43,251	236,479	433,921
Natural gas distribution	<1	14,338	57,473	100,347
Water, sewage and other systems	<1	5,418	14,818	22,048
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	70,031	65,417	171,184
Maintenance and repair construction of residential structures	<1	23,767	24,078	59,299
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	20	19	49
Dog and cat food manufacturing	<1	116	324	1,767
Other animal food manufacturing	<1	1,706	3,383	17,290
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	63	124	1,763
Breakfast cereal manufacturing	<1	507	1,182	6,836
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	30	45	203
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	470	647	4,031
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	1,416	1,953	8,014
Canned fruits and vegetables manufacturing	<1	456	885	3,524
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	293	416	4,364
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,117	1,717	9,993
Creamery butter manufacturing	<1	113	505	3,311
Ice cream and frozen dessert manufacturing	<1	750	1,013	5,003
Frozen cakes and other pastries manufacturing	<1	1,974	2,713	4,824
Poultry processing	<1	385	463	1,803
Animal, except poultry, slaughtering	<1	403	549	3,103
Meat processed from carcasses	<1	1,294	1,373	10,671
Rendering and meat byproduct processing	<1	97	132	528
Seafood product preparation and packaging	<1	465	572	2,652
Bread and bakery product, except frozen, manufacturing	<1	6,339	8,721	21,105
Cookie and cracker manufacturing	<1	10	15	201
Dry pasta, mixes, and dough manufacturing	<1	298	634	2,048
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	474	678	2,631
Other snack food manufacturing	<1	2,339	5,320	19,477
Coffee and tea manufacturing	<1	538	949	3,950
Flavoring syrup and concentrate manufacturing	<1	175	1,291	2,152
Mayonnaise, dressing, and sauce manufacturing	<1	18	34	131
Spice and extract manufacturing	<1	194	308	899
All other food manufacturing	<1	215	313	1,804

Appendix

Bottled and canned soft drinks & water	<1	3,776	5,749	24,362
Manufactured ice	<1	148	86	363
Breweries	<1	1,578	3,346	11,415
Wineries	<1	607	974	5,013
Distilleries	<1	2,543	7,192	13,102
Tobacco product manufacturing	<1	1,122	19,332	32,557
Fiber, yarn, and thread mills	<1	216	280	1,471
Broadwoven fabric mills	<1	<1	1	4
Narrow fabric mills and schiffli machine embroidery	<1	189	199	485
Nonwoven fabric mills	<1	80	115	484
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	78	91	265
Fabric coating mills	<1	946	1,159	4,833
Carpet and rug mills	<1	1,224	1,641	7,210
Curtain and linen mills	<1	99	114	358
Textile bag and canvas mills	<1	947	1,039	2,544
Rope, cordage, twine, tire cord and tire fabric mills	<1	184	223	554
Other textile product mills	<1	114	128	367
Hosiery and sock mills	<1	22	31	68
Other apparel knitting mills	<1	20	31	62
Cut and sew apparel contractors	<1	82	97	224
Mens and boys cut and sew apparel manufacturing	<1	17	24	58
Womens and girls cut and sew apparel manufacturing	<1	24	36	159
Other cut and sew apparel manufacturing	<1	15	24	64
Apparel accessories and other apparel manufacturing	<1	47	61	176
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	109	115	228
Sawmills	<1	528	726	3,539
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	115	150	548
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	347	438	1,495

Appendix

Cut stock, resawing lumber, and planing	<1	7	11	33
Other millwork, including flooring	<1	1,648	2,259	7,064
Wood container and pallet manufacturing	<1	785	972	3,232
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	122	152	531
All other miscellaneous wood product manufacturing	<1	447	583	2,282
Pulp mills	0	0	0	0
Paper mills	<1	6,437	9,180	43,022
Paperboard mills	<1	422	612	3,082
Paperboard container manufacturing	<1	3,030	3,704	17,824
Paper bag and coated and treated paper manufacturing	<1	3,371	4,303	17,191
Stationery product manufacturing	<1	130	169	993
Sanitary paper product manufacturing	<1	854	1,252	4,909
All other converted paper product manufacturing	<1	301	358	1,066
Printing	<1	21,276	25,917	55,158
Support activities for printing	<1	765	907	1,415
Petroleum refineries	<1	806	9,061	43,381
Asphalt paving mixture and block manufacturing	<1	926	1,782	5,604
Asphalt shingle and coating materials manufacturing	<1	346	1,859	3,202
Petroleum lubricating oil and grease manufacturing	<1	85	466	1,300
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	43,673	69,714	152,752
Industrial gas manufacturing	<1	16,607	16,380	21,482
Synthetic dye and pigment manufacturing	<1	3,868	3,710	5,022
Other basic inorganic chemical manufacturing	<1	2,053	1,955	4,273
Other basic organic chemical manufacturing	<1	9,510	11,007	46,892
Plastics material and resin manufacturing	<1	7,879	7,914	23,606
Synthetic rubber manufacturing	<1	226	227	471
Artificial and synthetic fibers and filaments manufacturing	<1	491	511	875

Appendix

Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	568	574	1,326
Pesticide and other agricultural chemical manufacturing	<1	4,034	5,055	18,409
Medicinal and botanical manufacturing	<1	2,300	2,110	4,259
Pharmaceutical preparation manufacturing	<1	3,096	3,996	13,722
In-vitro diagnostic substance manufacturing	<1	155	148	219
Biological product (except diagnostic) manufacturing	<1	4,031	4,152	6,830
Paint and coating manufacturing	<1	4,885	4,698	10,377
Adhesive manufacturing	<1	4,773	4,688	11,493
Soap and other detergent manufacturing	<1	3,910	4,132	11,484
Polish and other sanitation good manufacturing	<1	1,699	1,707	3,577
Surface active agent manufacturing	<1	477	536	1,356
Toilet preparation manufacturing	<1	2,073	2,243	5,692
Printing ink manufacturing	<1	698	712	1,327
Explosives manufacturing	<1	1,123	1,142	2,013
Custom compounding of purchased resins	<1	5,124	5,076	11,477
Photographic film and chemical manufacturing	<1	3,935	4,283	9,893
Other miscellaneous chemical product manufacturing	<1	5,311	5,227	10,792
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,040	1,484	4,927
Unlaminated plastics profile shape manufacturing	<1	1,182	2,078	7,457
Plastics pipe and pipe fitting manufacturing	<1	74	154	575
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	667	1,054	3,717
Polystyrene foam product manufacturing	<1	572	846	3,145
Urethane and other foam product (except polystyrene) manufacturing	<1	995	1,405	5,230
Plastics bottle manufacturing	<1	119	172	969
Other plastics product manufacturing	<1	7,826	10,133	32,289

Appendix

Tire manufacturing	<1	336	469	2,701
Rubber and plastics hoses and belting manufacturing	<1	52	69	214
Other rubber product manufacturing	<1	2,863	3,679	11,269
Pottery, ceramics, and plumbing fixture manufacturing	<1	131	173	340
Brick, tile, and other structural clay product manufacturing	<1	325	499	1,311
Flat glass manufacturing	<1	8	14	40
Other pressed and blown glass and glassware manufacturing	<1	52	81	225
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	376	567	1,394
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,682	2,541	8,093
Concrete block and brick manufacturing	<1	425	674	1,645
Concrete pipe manufacturing	<1	34	51	123
Other concrete product manufacturing	<1	2,332	3,032	6,730
Lime manufacturing	<1	994	1,863	4,906
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	1,044	2,312	3,757
Cut stone and stone product manufacturing	<1	1,697	1,957	4,328
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	123	233	566
Miscellaneous nonmetallic mineral products manufacturing	<1	30	69	171
Iron and steel mills and ferroalloy manufacturing	<1	15,682	23,961	146,888
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	2,383	3,348	19,258
Steel wire drawing	<1	808	954	5,072
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	953	1,429	7,138
Other aluminum rolling, drawing and extruding	<1	477	591	2,383

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	4,257	5,268	44,745
Nonferrous metal, except copper and aluminum, shaping	<1	1,502	1,687	6,526
Secondary processing of other nonferrous metals	<1	5	7	46
Ferrous metal foundries	<1	1,498	1,828	5,174
Nonferrous metal foundries	<1	1,180	1,395	3,496
Custom roll forming	<1	169	289	1,279
Crown and closure manufacturing and metal stamping	<1	6,279	7,952	20,313
Iron and steel forging	<1	2,018	3,242	10,152
Nonferrous forging	<1	525	761	2,406
Cutlery, utensil, pot, and pan manufacturing	<1	2,698	6,489	13,028
Handtool manufacturing	<1	1,308	2,065	3,863
Prefabricated metal buildings and components manufacturing	<1	116	168	495
Fabricated structural metal manufacturing	<1	1,960	2,878	7,726
Plate work manufacturing	<1	7,512	8,529	25,699
Metal window and door manufacturing	<1	957	1,289	2,790
Sheet metal work manufacturing	<1	2,181	2,879	6,771
Ornamental and architectural metal work manufacturing	<1	2,101	2,710	6,069
Power boiler and heat exchanger manufacturing	<1	13,518	19,546	49,941
Metal tank (heavy gauge) manufacturing	<1	19	25	72
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	447	566	2,105
Hardware manufacturing	<1	6,235	9,494	18,953
Spring and wire product manufacturing	<1	1,787	2,406	5,303
Machine shops	6	498,985	611,834	1,154,546
Turned product and screw, nut, and bolt manufacturing	<1	5,047	7,359	18,909
Metal heat treating	<1	1,401	2,006	4,494
Metal coating and nonprecious engraving	<1	2,378	4,060	9,037
Electroplating, anodizing, and coloring metal	<1	2,353	2,713	5,692
Valve and fittings, other than plumbing, manufacturing	<1	2,605	4,047	10,202

Appendix

Plumbing fixture fitting and trim manufacturing	<1	706	1,857	5,218
Ball and roller bearing manufacturing	<1	1,189	2,112	5,115
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	74	93	185
Small arms, ordnance, and accessories manufacturing	<1	2,048	3,645	7,332
Fabricated pipe and pipe fitting manufacturing	<1	313	389	838
Other fabricated metal manufacturing	<1	1,021	1,334	2,930
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	193	277	1,414
Construction machinery manufacturing	<1	63	103	293
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	27	36	101
Semiconductor machinery manufacturing	<1	229	253	764
Food product machinery manufacturing	<1	6	7	22
Sawmill, woodworking, and paper machinery	<1	22	24	85
Printing machinery and equipment manufacturing	<1	9	10	29
All other industrial machinery manufacturing	<1	131	147	393
Optical instrument and lens manufacturing	<1	231	269	709
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	774	966	2,360
Air purification and ventilation equipment manufacturing	<1	156	178	447
Heating equipment (except warm air furnaces) manufacturing	<1	273	338	1,084
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	76	106	360
Industrial mold manufacturing	<1	569	619	1,284
Special tool, die, jig, and fixture manufacturing	<1	667	755	1,434

Appendix

Cutting tool and machine tool accessory manufacturing	<1	544	587	1,359
Machine tool manufacturing	<1	327	369	1,048
Rolling mill and other metalworking machinery manufacturing	<1	171	183	381
Turbine and turbine generator set units manufacturing	<1	42	48	155
Speed changer, industrial high-speed drive, and gear manufacturing	<1	96	117	370
Mechanical power transmission equipment manufacturing	<1	1,778	2,208	5,234
Other engine equipment manufacturing	<1	209	310	1,419
Pump and pumping equipment manufacturing	<1	55	74	271
Air and gas compressor manufacturing	<1	8	10	45
Elevator and moving stairway manufacturing	<1	6	8	29
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	4	18
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	21	37	98
Welding and soldering equipment manufacturing	<1	55	66	207
Packaging machinery manufacturing	<1	49	58	165
Industrial process furnace and oven manufacturing	<1	43	47	123
Fluid power cylinder and actuator manufacturing	<1	83	100	283
Fluid power pump and motor manufacturing	<1	24	31	103
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	154	171	454
Electronic computer manufacturing	<1	45	106	519
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	9,653	17,642	57,480
Telephone apparatus manufacturing	<1	67	122	302

Appendix

Broadcast and wireless communications equipment manufacturing	<1	16	27	69
Other communications equipment manufacturing	<1	285	536	1,329
Audio and video equipment manufacturing	<1	26	47	128
Printed circuit assembly (electronic assembly) manufacturing	<1	325	671	2,407
Bare printed circuit board manufacturing	<1	233	332	859
Semiconductor and related device manufacturing	<1	53	105	318
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	290	443	1,196
Electronic connector manufacturing	<1	606	1,005	2,512
Other electronic component manufacturing	<1	168	246	651
Electromedical and electrotherapeutic apparatus manufacturing	<1	10	22	54
Search, detection, and navigation instruments manufacturing	<1	4	8	16
Automatic environmental control manufacturing	<1	127	179	389
Industrial process variable instruments manufacturing	<1	513	878	1,949
Totalizing fluid meter and counting device manufacturing	<1	115	301	744
Electricity and signal testing instruments manufacturing	<1	51	89	294
Analytical laboratory instrument manufacturing	<1	16,134	30,326	57,499
Irradiation apparatus manufacturing	<1	21	45	91
Watch, clock, and other measuring and controlling device manufacturing	<1	133	268	612
Blank magnetic and optical recording media manufacturing	<1	7	25	97
Software and other prerecorded and record reproducing	<1	3	5	12
Electric lamp bulb and part manufacturing	<1	829	1,252	2,756
Lighting fixture manufacturing	<1	637	819	1,877
Small electrical appliance manufacturing	<1	106	177	515

Appendix

Household cooking appliance manufacturing	<1	142	229	631
Household refrigerator and home freezer manufacturing	<1	158	260	699
Household laundry equipment manufacturing	<1	368	513	1,668
Other major household appliance manufacturing	<1	59	102	260
Power, distribution, and specialty transformer manufacturing	<1	1	2	4
Motor and generator manufacturing	<1	555	775	2,257
Switchgear and switchboard apparatus manufacturing	<1	342	476	1,295
Relay and industrial control manufacturing	<1	566	707	1,978
Storage battery manufacturing	<1	327	418	1,207
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	703	840	4,052
Other communication and energy wire manufacturing	<1	553	729	2,702
Wiring device manufacturing	<1	2,231	3,344	8,792
Carbon and graphite product manufacturing	<1	155	216	634
All other miscellaneous electrical equipment and component manufacturing	<1	11,660	13,042	32,317
Automobile manufacturing	<1	816	1,336	6,841
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	17	25	154
Motor vehicle body manufacturing	<1	4	5	21
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	<1	468	610	2,755
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	734	901	4,495
Motor vehicle electrical and electronic equipment manufacturing	<1	5,946	6,841	32,055
Motor vehicle transmission and power train parts manufacturing	<1	662	839	5,336
Motor vehicle seating and interior trim manufacturing	<1	44	50	265
Motor vehicle metal stamping	<1	1,294	1,425	5,405
Other motor vehicle parts manufacturing	<1	6,988	8,288	35,041

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,547	1,956	9,035
Aircraft manufacturing	<1	105	150	509
Aircraft engine and engine parts manufacturing	<1	2,297	3,087	9,213
Other aircraft parts and auxiliary equipment manufacturing	<1	403	466	1,067
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	2,024	2,209	4,818
Boat building	<1	295	354	1,342
Motorcycle, bicycle, and parts manufacturing	<1	4	8	44
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	32	48	330
Wood kitchen cabinet and countertop manufacturing	<1	1,649	1,565	3,993
Upholstered household furniture manufacturing	<1	118	120	327
Nonupholstered wood household furniture manufacturing	<1	179	173	461
Other household nonupholstered furniture manufacturing	<1	113	112	402
Institutional furniture manufacturing	<1	9	9	28
Wood office furniture manufacturing	<1	10	10	25
Custom architectural woodwork and millwork	<1	153	138	359
Office furniture, except wood, manufacturing	<1	11	11	36
Showcase, partition, shelving, and locker manufacturing	<1	56	53	161
Mattress manufacturing	<1	682	566	3,299
Blind and shade manufacturing	<1	58	59	200
Surgical and medical instrument manufacturing	<1	1,661	6,062	10,451
Surgical appliance and supplies manufacturing	<1	608	2,480	4,214
Dental equipment and supplies manufacturing	<1	35	123	231

Appendix

Ophthalmic goods manufacturing	<1	42	187	339
Dental laboratories	<1	127	139	268
Jewelry and silverware manufacturing	<1	354	571	1,338
Sporting and athletic goods manufacturing	<1	121	295	812
Doll, toy, and game manufacturing	<1	17	56	133
Office supplies (except paper) manufacturing	<1	166	432	1,137
Sign manufacturing	<1	945	928	2,368
Gasket, packing, and sealing device manufacturing	<1	551	1,062	2,221
Musical instrument manufacturing	<1	29	39	108
Fasteners, buttons, needles, and pins manufacturing	<1	298	634	1,325
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	96	172	431
All other miscellaneous manufacturing	<1	757	1,475	3,270
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	11,463	27,820	58,386
Wholesale - Professional and commercial equipment and supplies	<1	57,035	94,232	148,739
Wholesale - Household appliances and electrical and electronic goods	<1	18,257	45,186	86,069
Wholesale - Machinery, equipment, and supplies	<1	26,859	52,136	81,713
Wholesale - Other durable goods merchant wholesalers	<1	57,056	102,222	178,197
Wholesale - Drugs and druggists' sundries	<1	37,471	111,616	187,246
Wholesale - Grocery and related product wholesalers	<1	46,764	65,341	118,660
Wholesale - Petroleum and petroleum products	<1	5,945	63,813	72,217
Wholesale - Other nondurable goods merchant wholesalers	<1	82,927	165,521	259,438
Wholesale - Wholesale electronic markets and agents and brokers	<1	49,608	51,563	57,427
Retail - Motor vehicle and parts dealers	<1	49,730	74,327	106,072
Retail - Furniture and home furnishings stores	<1	28,370	36,897	55,796
Retail - Electronics and appliance stores	<1	31,298	26,396	45,633

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Retail - Building material and garden equipment and supplies stores	<1	33,057	55,029	79,718
Retail - Food and beverage stores	2	86,205	111,420	177,019
Retail - Health and personal care stores	1	52,927	64,016	96,542
Retail - Gasoline stores	<1	23,933	35,794	59,825
Retail - Clothing and clothing accessories stores	1	49,432	67,048	117,811
Retail - Sporting goods, hobby, musical instrument and book stores	<1	22,707	29,689	45,259
Retail - General merchandise stores	2	56,330	86,703	141,535
Retail - Miscellaneous store retailers	1	42,063	50,056	76,991
Retail - Nonstore retailers	1	77,691	173,829	278,837
Air transportation	<1	21,191	36,862	61,514
Rail transportation	<1	16,711	5,225	52,800
Water transportation	<1	18,977	19,437	81,952
Truck transportation	<1	56,876	64,651	123,024
Transit and ground passenger transportation	2	63,150	73,848	97,404
Pipeline transportation	<1	94,670	60,360	59,484
Scenic and sightseeing transportation and support activities for transportation	<1	107,417	112,163	170,557
Couriers and messengers	<1	35,989	39,510	72,521
Warehousing and storage	1	49,846	53,781	102,273
Newspaper publishers	<1	8,364	14,405	18,229
Periodical publishers	<1	10,522	16,837	24,612
Book publishers	<1	3,751	11,696	18,604
Directory, mailing list, and other publishers	<1	3,185	8,727	11,890
Greeting card publishing	<1	497	1,357	1,909
Software publishers	2	240,179	551,432	604,680
Motion picture and video industries	<1	37,477	93,377	127,527
Sound recording industries	<1	638	7,262	10,013
Radio and television broadcasting	<1	13,957	18,917	54,766
Cable and other subscription programming	<1	34,442	270,399	445,782
Wired telecommunications carriers	<1	69,685	157,228	249,763
Wireless telecommunications carriers (except satellite)	<1	4,906	32,919	68,893

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Satellite, telecommunications resellers, and all other telecommunications	<1	2,247	3,432	7,785
Data processing, hosting, and related services	<1	77,599	139,236	392,245
News syndicates, libraries, archives and all other information services	<1	5,682	9,959	24,477
Internet publishing and broadcasting and web search portals	<1	45,072	103,838	337,901
Nondepository credit intermediation and related activities	<1	81,284	99,014	134,481
Securities and commodity contracts intermediation and brokerage	1	211,683	166,463	229,874
Monetary authorities and depository credit intermediation	2	247,149	594,832	902,579
Other financial investment activities	2	310,105	317,255	525,785
Direct life insurance carriers	<1	91,877	186,109	228,794
Insurance carriers, except direct life	1	183,137	639,216	957,587
Insurance agencies, brokerages, and related activities	<1	89,981	157,586	278,439
Funds, trusts, and other financial vehicles	<1	14,624	39,506	78,645
Other real estate	15	258,566	1,063,204	2,799,242
Tenant-occupied housing	1	17,148	354,753	400,694
Owner-occupied dwellings	0	0	1,182,536	1,501,178
Automotive equipment rental and leasing	<1	33,052	62,436	79,851
General and consumer goods rental except video tapes and discs	<1	21,705	26,747	37,332
Video tape and disc rental	<1	4,405	6,980	10,444
Commercial and industrial machinery and equipment rental and leasing	<1	41,870	72,450	86,616
Lessors of nonfinancial intangible assets	<1	4,264	114,718	122,324
Legal services	4	387,896	637,634	856,218
Accounting, tax preparation, bookkeeping, and payroll services	1	134,791	174,875	236,392
Architectural, engineering, and related services	2	170,809	185,609	309,638
Specialized design services	<1	10,297	15,799	22,924
Custom computer programming services	<1	76,830	80,660	109,024

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Computer systems design services	<1	99,789	85,459	108,191
Other computer related services, including facilities management	<1	41,760	44,133	88,058
Management consulting services	6	798,949	828,523	1,161,075
Environmental and other technical consulting services	<1	49,311	51,730	72,908
Scientific research and development services	68	7,578,657	9,455,815	16,752,912
Advertising, public relations, and related services	1	94,328	130,724	206,778
Photographic services	<1	2,789	6,712	12,603
Veterinary services	<1	17,057	20,813	30,383
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	110,943	198,819	305,618
Management of companies and enterprises	4	709,549	812,922	1,203,173
Office administrative services	1	113,128	53,382	102,538
Facilities support services	<1	1,502	2,149	3,816
Employment services	7	371,982	517,460	734,340
Business support services	<1	52,427	44,524	71,027
Travel arrangement and reservation services	<1	20,911	26,312	53,444
Investigation and security services	1	45,832	44,593	63,777
Services to buildings	2	79,446	104,190	188,925
Landscape and horticultural services	1	56,533	66,661	109,856
Other support services	<1	26,426	32,455	54,050
Waste management and remediation services	<1	46,551	78,774	136,523
Elementary and secondary schools	1	70,743	60,685	68,619
Junior colleges, colleges, universities, and professional schools	18	1,256,519	1,722,565	2,081,458
Other educational services	<1	31,018	36,863	67,864
Offices of physicians	3	347,166	359,278	488,404
Offices of dentists	<1	67,441	79,172	111,080
Offices of other health practitioners	<1	54,218	71,124	95,699
Outpatient care centers	<1	77,919	70,211	117,295
Medical and diagnostic laboratories	<1	22,065	28,750	41,636
Home health care services	2	88,138	83,550	103,616
Other ambulatory health care services	<1	20,466	22,167	36,409

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Hospitals	5	412,960	512,029	925,382
Nursing and community care facilities	2	79,282	95,805	153,696
Residential mental retardation, mental health, substance abuse and other facilities	<1	37,114	42,026	62,644
Individual and family services	3	113,123	96,084	138,724
Child day care services	1	36,856	52,164	70,543
Community food, housing, and other relief services, including rehabilitation services	<1	31,762	31,467	67,078
Performing arts companies	<1	13,087	16,263	30,020
Commercial Sports Except Racing	<1	6,871	7,644	10,733
Racing and Track Operation	<1	2,957	4,432	6,725
Independent artists, writers, and performers	<1	20,516	41,052	67,732
Promoters of performing arts and sports and agents for public figures	<1	22,783	32,582	68,606
Museums, historical sites, zoos, and parks	<1	8,973	10,846	18,522
Amusement parks and arcades	<1	1,650	5,686	7,520
Gambling industries (except casino hotels)	<1	6,486	18,103	26,160
Other amusement and recreation industries	<1	21,863	27,017	44,891
Fitness and recreational sports centers	<1	14,364	22,744	37,091
Bowling centers	<1	1,477	2,647	4,316
Hotels and motels, including casino hotels	<1	15,554	26,446	37,720
Other accommodations	<1	6,724	9,276	11,686
Full-service restaurants	5	150,160	219,280	351,272
Limited-service restaurants	3	74,297	120,250	240,814
All other food and drinking places	3	104,640	140,112	202,770
Automotive repair and maintenance, except car washes	2	115,172	124,961	174,204
Car washes	<1	50,074	73,506	107,311
Electronic and precision equipment repair and maintenance	<1	24,194	30,645	45,025
Commercial and industrial machinery and equipment repair and maintenance	<1	38,612	39,524	53,168
Personal and household goods repair and maintenance	<1	13,605	23,806	32,392
Personal care services	2	56,181	48,859	63,465
Death care services	<1	13,039	6,868	9,742

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Dry-cleaning and laundry services	<1	29,538	14,389	20,006
Other personal services	<1	29,766	37,179	50,769
Religious organizations	2	80,078	29,896	123,192
Grantmaking, giving, and social advocacy organizations	<1	25,282	74,464	107,319
Business and professional associations	<1	17,138	28,871	45,679
Labor and civic organizations	<1	19,551	53,451	97,942
Private households	1	26,313	26,313	26,313
Postal service	<1	51,947	51,981	55,362
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	566	907	3,116
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	18,176	20,380	33,130
Local government passenger transit	<1	6,485	-9,066	1,609
Local government electric utilities	<1	3,867	8,163	15,942
Other local government enterprises	1	95,203	152,575	374,892
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	111,390	221,038	505,675

Delaware

NASA

Table 649: Detailed NASA Impacts by Types of Impact, Delaware

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	114	9,590,056	14,174,923	25,375,083
Oilseed farming	<1	12,160	5,963	7,944
Grain farming	<1	15,101	9,055	15,721
Vegetable and melon farming	<1	8,957	8,329	9,158
Fruit farming	<1	827	724	717
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	821	794	895
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,665	2,523	2,622
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,118	890	1,282
Dairy cattle and milk production	<1	224	247	453
Poultry and egg production	<1	3,316	3,019	28,824
Animal production, except cattle and poultry and eggs	<1	8,138	3,593	4,933
Forestry, forest products, and timber tract production	<1	243	303	354
Commercial logging	<1	359	409	496
Commercial fishing	<1	422	363	621
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	5,853	5,132	6,585
Oil and gas extraction	<1	166	198	2,474
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	138	253	515

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	4
Metal mining services	<1	6	7	67
Other nonmetallic minerals services	<1	<1	<1	7
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	2,675	9,430	23,614
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	564	310	880
Electric power transmission and distribution	<1	30,599	92,722	222,375
Natural gas distribution	<1	3,245	8,242	18,803
Water, sewage and other systems	<1	8,613	15,396	25,380
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	37,945	63,631	128,222
Maintenance and repair construction of residential structures	<1	12,666	20,056	41,420
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	22	36	73
Dog and cat food manufacturing	<1	153	456	2,434
Other animal food manufacturing	<1	299	494	3,366
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	12	19	85
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	30	42	188
Frozen fruits, juices and vegetables manufacturing	<1	400	795	2,379
Frozen specialties manufacturing	<1	466	649	1,967
Canned fruits and vegetables manufacturing	<1	4	8	37
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	154	245	1,094
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	43	59	193
Frozen cakes and other pastries manufacturing	<1	217	259	531

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Poultry processing	<1	11,942	14,907	64,320
Animal, except poultry, slaughtering	<1	21	25	180
Meat processed from carcasses	<1	360	342	2,587
Rendering and meat byproduct processing	<1	6	7	34
Seafood product preparation and packaging	<1	377	474	1,725
Bread and bakery product, except frozen, manufacturing	<1	352	438	1,357
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	66	88	374
Other snack food manufacturing	<1	43	59	262
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	43	82	247
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	613	906	2,892
Bottled and canned soft drinks & water	<1	482	622	2,004
Manufactured ice	0	0	0	0
Breweries	<1	781	1,232	3,229
Wineries	<1	85	116	575
Distilleries	<1	141	279	575
Tobacco product manufacturing	<1	445	6,324	10,852
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	1,176	1,015	4,190
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	78	77	232
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	1	1	7
Textile bag and canvas mills	<1	19	19	62
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	48	48	139
Hosiery and sock mills	<1	2	3	9

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Other apparel knitting mills	<1	3	4	10
Cut and sew apparel contractors	<1	3	4	11
Mens and boys cut and sew apparel manufacturing	<1	2	3	8
Womens and girls cut and sew apparel manufacturing	<1	2	2	12
Other cut and sew apparel manufacturing	<1	4	4	31
Apparel accessories and other apparel manufacturing	<1	8	7	51
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	6
Sawmills	<1	39	35	154
Wood preservation	<1	16	11	90
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	71	66	216
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	438	408	1,148
Cut stock, resawing lumber, and planing	<1	42	35	134
Other millwork, including flooring	<1	61	54	183
Wood container and pallet manufacturing	<1	193	178	585
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	127	117	374
All other miscellaneous wood product manufacturing	<1	109	95	333
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	90	177	655
Paper bag and coated and treated paper manufacturing	<1	19	49	138
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	1,073	5,063	12,390
All other converted paper product manufacturing	<1	45	83	260

Appendix

Printing	<1	3,505	3,282	8,835
Support activities for printing	<1	22	20	37
Petroleum refineries	<1	6,210	26,364	155,612
Asphalt paving mixture and block manufacturing	<1	219	292	1,469
Asphalt shingle and coating materials manufacturing	<1	165	405	1,292
Petroleum lubricating oil and grease manufacturing	<1	110	254	764
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,074	2,310	5,941
Synthetic dye and pigment manufacturing	<1	592	1,195	3,153
Other basic inorganic chemical manufacturing	<1	192	406	1,130
Other basic organic chemical manufacturing	<1	2,628	5,385	25,764
Plastics material and resin manufacturing	<1	1,377	2,269	10,980
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	87	116	382
Nitrogenous fertilizer manufacturing	<1	53	130	368
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	4	14
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	8	14	23
Pharmaceutical preparation manufacturing	<1	321	1,123	3,227
In-vitro diagnostic substance manufacturing	<1	36	52	103
Biological product (except diagnostic) manufacturing	<1	51	107	202
Paint and coating manufacturing	<1	34	65	206
Adhesive manufacturing	<1	15	25	79
Soap and other detergent manufacturing	<1	433	1,286	2,934
Polish and other sanitation good manufacturing	<1	263	405	980
Surface active agent manufacturing	<1	283	927	2,123
Toilet preparation manufacturing	<1	33	108	253
Printing ink manufacturing	<1	3	4	13

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	674	1,291	3,437
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	147	248	825
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,479	2,753	8,713
Unlaminated plastics profile shape manufacturing	<1	98	252	569
Plastics pipe and pipe fitting manufacturing	<1	43,204	140,894	329,232
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	94	202	559
Polystyrene foam product manufacturing	<1	42	81	216
Urethane and other foam product (except polystyrene) manufacturing	<1	150	273	799
Plastics bottle manufacturing	<1	17	30	96
Other plastics product manufacturing	<1	276	449	1,462
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	10	17	47
Other rubber product manufacturing	<1	87	136	481
Pottery, ceramics, and plumbing fixture manufacturing	<1	63	77	146
Brick, tile, and other structural clay product manufacturing	<1	102	134	280
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	8	11	35
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	6	8	27
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,345	1,787	5,934
Concrete block and brick manufacturing	<1	202	276	789
Concrete pipe manufacturing	<1	24	31	92
Other concrete product manufacturing	<1	309	368	956
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	144	158	374
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	10	17	51
Iron and steel mills and ferroalloy manufacturing	<1	25,796	13,066	259,854
Iron, steel pipe and tube manufacturing from purchased steel	<1	185	115	1,217
Rolled steel shape manufacturing	<1	67	22	557
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	146	114	1,684
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	7	9	22
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	4	5	11
Prefabricated metal buildings and components manufacturing	<1	14	19	69
Fabricated structural metal manufacturing	<1	197	263	1,065
Plate work manufacturing	<1	46	50	168
Metal window and door manufacturing	<1	22	27	80
Sheet metal work manufacturing	<1	1,063	1,290	3,471

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Ornamental and architectural metal work manufacturing	<1	14	17	49
Power boiler and heat exchanger manufacturing	<1	1	1	4
Metal tank (heavy gauge) manufacturing	<1	1	2	5
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	2	3	8
Machine shops	<1	583	671	1,357
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	55	71	188
Metal coating and nonprecious engraving	<1	73	110	311
Electroplating, anodizing, and coloring metal	<1	8	9	23
Valve and fittings, other than plumbing, manufacturing	<1	40	55	128
Plumbing fixture fitting and trim manufacturing	<1	107	230	662
Ball and roller bearing manufacturing	<1	92	141	316
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	36	41	94
Other fabricated metal manufacturing	<1	27	32	73
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	16	20	53
All other industrial machinery manufacturing	<1	2	3	8
Optical instrument and lens manufacturing	<1	1	2	5
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	55	130	355
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	35	93	200
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	20	26	70
Machine tool manufacturing	<1	4	6	19
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	51	106	267
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2	3	8
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	6	14	40

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	1	2	5
Packaging machinery manufacturing	<1	2	4	10
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	10	28
Electronic computer manufacturing	<1	<1	2	8
Computer storage device manufacturing	<1	1	3	16
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	<1	1	3
Other communications equipment manufacturing	<1	2	3	8
Audio and video equipment manufacturing	<1	1	2	9
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	4
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	1	2	14
Other electronic component manufacturing	<1	135	178	510
Electromedical and electrotherapeutic apparatus manufacturing	<1	34	57	126
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0

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Industrial process variable instruments manufacturing	<1	22	33	99
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	1	180,776	283,614	593,632
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	72	120	287
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	1	4
Electric lamp bulb and part manufacturing	<1	2	4	12
Lighting fixture manufacturing	<1	21	28	80
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	2	3	14
Household refrigerator and home freezer manufacturing	<1	2	3	14
Household laundry equipment manufacturing	<1	4	6	35
Other major household appliance manufacturing	<1	<1	1	6
Power, distribution, and specialty transformer manufacturing	<1	10	13	24
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	20	30	52
Relay and industrial control manufacturing	<1	19	23	36
Storage battery manufacturing	<1	1,037	1,346	3,533
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	226	365	877
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	27,447	29,902	76,862
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	50	60	256
Motor vehicle gasoline engine and engine parts manufacturing	<1	23	39	192
Motor vehicle electrical and electronic equipment manufacturing	<1	133	186	899
Motor vehicle transmission and power train parts manufacturing	<1	114	200	846
Motor vehicle seating and interior trim manufacturing	<1	6	8	43
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	3	4	25
Aircraft engine and engine parts manufacturing	<1	28	43	155
Other aircraft parts and auxiliary equipment manufacturing	<1	4	5	18
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	6
Ship building and repairing	<1	2	3	9
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	3	4	23
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	10	14	94
Wood kitchen cabinet and countertop manufacturing	<1	237	174	577
Upholstered household furniture manufacturing	0	0	0	0

Appendix

Nonupholstered wood household furniture manufacturing	<1	19	17	55
Other household nonupholstered furniture manufacturing	<1	22	17	95
Institutional furniture manufacturing	<1	10	10	32
Wood office furniture manufacturing	<1	<1	<1	1
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	<1	11	7	40
Showcase, partition, shelving, and locker manufacturing	<1	29	20	97
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	185	319
Surgical appliance and supplies manufacturing	<1	-21	735	1,269
Dental equipment and supplies manufacturing	<1	-3	18	36
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	-13	-9	21
Jewelry and silverware manufacturing	<1	49	67	248
Sporting and athletic goods manufacturing	<1	-7	13	43
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	-10	26	76
Sign manufacturing	<1	-124	-119	376
Gasket, packing, and sealing device manufacturing	<1	-29	17	87
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	-15,082	34,544	116,199
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,859	9,313	27,496
Wholesale - Professional and commercial equipment and supplies	<1	19,140	29,886	53,768

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Wholesale - Household appliances and electrical and electronic goods	<1	12,777	23,353	55,607
Wholesale - Machinery, equipment, and supplies	<1	14,758	23,780	44,662
Wholesale - Other durable goods merchant wholesalers	<1	24,898	37,267	77,177
Wholesale - Drugs and druggists' sundries	<1	12,706	27,868	61,884
Wholesale - Grocery and related product wholesalers	<1	12,386	15,241	31,888
Wholesale - Petroleum and petroleum products	<1	3,370	33,761	38,581
Wholesale - Other nondurable goods merchant wholesalers	<1	28,509	51,422	92,818
Wholesale - Wholesale electronic markets and agents and brokers	<1	16,707	17,154	19,946
Retail - Motor vehicle and parts dealers	<1	28,401	36,608	56,415
Retail - Furniture and home furnishings stores	<1	15,800	17,190	29,959
Retail - Electronics and appliance stores	<1	17,782	13,810	24,947
Retail - Building material and garden equipment and supplies stores	<1	18,277	27,217	42,944
Retail - Food and beverage stores	1	47,695	55,867	96,004
Retail - Health and personal care stores	<1	29,075	33,141	53,046
Retail - Gasoline stores	<1	11,228	15,160	34,482
Retail - Clothing and clothing accessories stores	<1	21,431	26,864	65,207
Retail - Sporting goods, hobby, musical instrument and book stores	<1	10,151	11,259	20,566
Retail - General merchandise stores	1	36,872	43,503	80,928
Retail - Miscellaneous store retailers	<1	17,194	16,970	32,804
Retail - Nonstore retailers	<1	25,036	63,241	130,972
Air transportation	<1	6,880	6,848	24,217
Rail transportation	<1	4,622	8,680	22,020
Water transportation	<1	186	602	7,966
Truck transportation	<1	29,348	34,664	67,576
Transit and ground passenger transportation	<1	11,254	14,045	20,452
Pipeline transportation	<1	606	1,040	1,298
Scenic and sightseeing transportation and support activities for transportation	<1	45,852	49,657	93,503

Appendix

Couriers and messengers	<1	14,797	20,346	33,964
Warehousing and storage	<1	36,352	40,520	73,753
Newspaper publishers	<1	5,424	9,739	12,233
Periodical publishers	<1	1,872	3,128	4,913
Book publishers	<1	261	866	1,482
Directory, mailing list, and other publishers	<1	445	1,338	1,999
Greeting card publishing	<1	167	491	692
Software publishers	<1	9,632	22,521	25,590
Motion picture and video industries	<1	3,462	4,258	18,118
Sound recording industries	<1	138	423	1,738
Radio and television broadcasting	<1	9,186	10,757	31,273
Cable and other subscription programming	<1	1,171	5,132	15,932
Wired telecommunications carriers	<1	20,487	47,340	93,028
Wireless telecommunications carriers (except satellite)	<1	136	994	2,272
Satellite, telecommunications resellers, and all other telecommunications	<1	1,554	2,220	6,022
Data processing, hosting, and related services	<1	19,360	56,468	117,719
News syndicates, libraries, archives and all other information services	<1	2,788	5,989	11,774
Internet publishing and broadcasting and web search portals	<1	3,925	9,624	25,316
Nondepository credit intermediation and related activities	<1	46,024	100,018	130,920
Securities and commodity contracts intermediation and brokerage	<1	109,806	109,854	159,770
Monetary authorities and depository credit intermediation	<1	59,635	606,203	639,306
Other financial investment activities	<1	60,023	90,031	160,009
Direct life insurance carriers	<1	9,283	70,133	72,446
Insurance carriers, except direct life	<1	18,366	330,718	357,445
Insurance agencies, brokerages, and related activities	<1	8,682	49,623	64,196
Funds, trusts, and other financial vehicles	<1	7,205	7,977	91,555
Other real estate	7	152,500	497,166	1,289,217
Tenant-occupied housing	<1	10,491	159,914	180,013

Appendix

Owner-occupied dwellings	0	0	611,607	776,408
Automotive equipment rental and leasing	<1	1,532	31,797	32,716
General and consumer goods rental except video tapes and discs	<1	8,475	11,832	16,661
Video tape and disc rental	<1	1,934	3,101	5,162
Commercial and industrial machinery and equipment rental and leasing	<1	1,945	35,399	36,314
Lessors of nonfinancial intangible assets	<1	644	51,810	52,750
Legal services	2	234,954	379,068	477,362
Accounting, tax preparation, bookkeeping, and payroll services	<1	47,802	61,346	86,925
Architectural, engineering, and related services	<1	79,495	86,891	144,075
Specialized design services	<1	2,188	3,388	5,060
Custom computer programming services	<1	32,811	38,433	50,123
Computer systems design services	<1	30,572	29,804	37,316
Other computer related services, including facilities management	<1	3,843	7,242	10,826
Management consulting services	1	139,645	144,882	212,089
Environmental and other technical consulting services	<1	16,992	17,795	25,499
Scientific research and development services	31	3,766,866	4,395,534	7,707,257
Advertising, public relations, and related services	<1	22,917	31,773	62,615
Photographic services	<1	1,174	2,795	5,611
Veterinary services	<1	7,442	9,057	13,558
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	13,085	22,660	38,471
Management of companies and enterprises	2	326,674	425,979	622,398
Office administrative services	<1	56,245	20,530	48,098
Facilities support services	<1	2,004	2,971	6,734
Employment services	4	168,483	246,928	352,580
Business support services	<1	30,771	25,245	40,927
Travel arrangement and reservation services	<1	12,634	16,326	34,109
Investigation and security services	<1	21,879	21,120	30,422
Services to buildings	1	32,921	44,621	86,446
Landscape and horticultural services	<1	26,791	32,122	55,667

Appendix

Other support services	<1	7,965	10,303	19,618
Waste management and remediation services	<1	16,452	26,743	48,805
Elementary and secondary schools	<1	19,813	16,799	20,032
Junior colleges, colleges, universities, and professional schools	2	74,396	99,945	134,244
Other educational services	<1	15,438	17,036	33,871
Offices of physicians	2	168,953	174,568	247,981
Offices of dentists	<1	43,112	50,912	68,581
Offices of other health practitioners	<1	33,177	43,879	59,057
Outpatient care centers	<1	30,225	26,731	47,912
Medical and diagnostic laboratories	<1	13,170	17,359	26,140
Home health care services	<1	46,596	43,671	55,310
Other ambulatory health care services	<1	6,301	6,832	12,237
Hospitals	4	364,182	414,360	748,364
Nursing and community care facilities	1	55,460	55,596	92,465
Residential mental retardation, mental health, substance abuse and other facilities	<1	22,653	22,549	32,285
Individual and family services	2	54,598	45,368	68,880
Child day care services	<1	18,204	25,296	34,093
Community food, housing, and other relief services, including rehabilitation services	<1	12,099	11,860	27,250
Performing arts companies	<1	2,573	3,475	10,886
Commercial Sports Except Racing	<1	1,821	854	4,044
Racing and Track Operation	<1	1,030	1,857	4,895
Independent artists, writers, and performers	<1	1,761	4,464	11,922
Promoters of performing arts and sports and agents for public figures	<1	1,331	2,122	9,383
Museums, historical sites, zoos, and parks	<1	3,639	4,198	7,622
Amusement parks and arcades	<1	1,038	1,243	2,247
Gambling industries (except casino hotels)	<1	9,793	23,451	38,132
Other amusement and recreation industries	<1	7,594	6,837	14,306
Fitness and recreational sports centers	<1	5,568	6,191	14,559
Bowling centers	<1	859	1,114	2,347

Appendix

Hotels and motels, including casino hotels	<1	1,785	3,386	5,292
Other accommodations	<1	534	771	1,007
Full-service restaurants	3	82,931	113,831	198,738
Limited-service restaurants	2	49,493	72,146	164,063
All other food and drinking places	2	51,712	71,545	105,574
Automotive repair and maintenance, except car washes	<1	49,604	53,862	77,456
Car washes	<1	23,922	34,097	52,138
Electronic and precision equipment repair and maintenance	<1	22,905	25,712	43,526
Commercial and industrial machinery and equipment repair and maintenance	<1	15,390	16,025	22,675
Personal and household goods repair and maintenance	<1	6,347	10,397	14,869
Personal care services	<1	28,166	22,260	31,185
Death care services	<1	6,377	2,851	4,681
Dry-cleaning and laundry services	<1	12,619	5,098	7,933
Other personal services	<1	10,779	13,080	18,688
Religious organizations	1	46,935	24,287	88,711
Grantmaking, giving, and social advocacy organizations	<1	11,879	37,967	65,512
Business and professional associations	<1	8,166	13,865	24,721
Labor and civic organizations	<1	8,536	23,988	44,826
Private households	<1	7,531	7,530	7,530
Postal service	<1	24,190	24,198	25,805
Federal electric utilities	0	0	0	0
Other federal government enterprises	0	49	25	-147
State government passenger transit	<1	12,381	7,944	51,105
State government electric utilities	0	0	0	0
Other state government enterprises	<1	13,942	16,025	27,084
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	394	705	1,644
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	8	1,351,641	1,733,486	3,965,745

Moon to Mars Campaign

Table 650: Detailed M2M Campaign Impacts by Types of Impact, Delaware

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>8</i>	<i>682,437</i>	<i>1,022,640</i>	<i>1,739,075</i>
Oilseed farming	<1	826	570	857
Grain farming	<1	865	582	934
Vegetable and melon farming	<1	584	557	611
Fruit farming	<1	60	53	53
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	32	32	36
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	143	140	144
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	54	44	63
Dairy cattle and milk production	<1	17	18	31
Poultry and egg production	<1	188	188	1,613
Animal production, except cattle and poultry and eggs	<1	391	199	276
Forestry, forest products, and timber tract production	<1	11	14	15
Commercial logging	<1	3	3	4
Commercial fishing	<1	30	23	40
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	354	308	398
Oil and gas extraction	<1	7	11	138

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	10	17	33
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	7
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	242	812	1,879
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	51	28	72
Electric power transmission and distribution	<1	2,322	6,983	15,919
Natural gas distribution	<1	240	631	1,374
Water, sewage and other systems	<1	579	1,026	1,612
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,733	4,630	9,114
Maintenance and repair construction of residential structures	<1	874	1,390	2,824
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	5
Dog and cat food manufacturing	<1	9	27	138
Other animal food manufacturing	<1	19	33	216
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	2	6
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	3	12
Frozen fruits, juices and vegetables manufacturing	<1	30	62	169
Frozen specialties manufacturing	<1	32	45	135
Canned fruits and vegetables manufacturing	<1	<1	<1	3

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	10	17	74
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3	4	13
Frozen cakes and other pastries manufacturing	<1	15	18	37
Poultry processing	<1	672	869	3,632
Animal, except poultry, slaughtering	<1	1	1	10
Meat processed from carcasses	<1	24	23	174
Rendering and meat byproduct processing	<1	<1	<1	2
Seafood product preparation and packaging	<1	23	30	105
Bread and bakery product, except frozen, manufacturing	<1	24	30	91
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	5	7	27
Other snack food manufacturing	<1	3	4	18
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	3	6	18
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	47	69	214
Bottled and canned soft drinks & water	<1	31	41	129
Manufactured ice	0	0	0	0
Breweries	<1	50	83	212
Wineries	<1	8	10	50
Distilleries	<1	10	20	39
Tobacco product manufacturing	<1	37	620	975
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	100	91	347
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	5	15
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	1	1	4
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4	4	11
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	<1	<1	4
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	2	2	7
Wood preservation	<1	<1	<1	5
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	4	4	13
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	25	24	67
Cut stock, resawing lumber, and planing	<1	2	2	8
Other millwork, including flooring	<1	4	4	12
Wood container and pallet manufacturing	<1	13	12	38
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	7	7	22
All other miscellaneous wood product manufacturing	<1	7	7	21
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	9	17	63
Paper bag and coated and treated paper manufacturing	<1	1	4	10
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	73	320	825
All other converted paper product manufacturing	<1	3	5	17
Printing	<1	306	292	745
Support activities for printing	<1	2	2	4
Petroleum refineries	<1	387	1,595	9,385
Asphalt paving mixture and block manufacturing	<1	15	21	100
Asphalt shingle and coating materials manufacturing	<1	11	28	86
Petroleum lubricating oil and grease manufacturing	<1	9	21	61
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	67	148	369
Synthetic dye and pigment manufacturing	<1	23	47	127
Other basic inorganic chemical manufacturing	<1	12	28	75
Other basic organic chemical manufacturing	<1	161	331	1,632
Plastics material and resin manufacturing	<1	36	61	299
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	12	16	50
Nitrogenous fertilizer manufacturing	<1	4	11	29
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	<1
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	1	2
Pharmaceutical preparation manufacturing	<1	28	103	283
In-vitro diagnostic substance manufacturing	<1	5	7	13

Appendix

Biological product (except diagnostic) manufacturing	<1	6	13	23
Paint and coating manufacturing	<1	2	4	11
Adhesive manufacturing	<1	2	3	9
Soap and other detergent manufacturing	<1	35	115	221
Polish and other sanitation good manufacturing	<1	23	36	82
Surface active agent manufacturing	<1	19	68	141
Toilet preparation manufacturing	<1	3	9	21
Printing ink manufacturing	<1	<1	<1	1
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	140	306	741
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	18	31	102
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	147	272	847
Unlaminated plastics profile shape manufacturing	<1	5	12	27
Plastics pipe and pipe fitting manufacturing	<1	1	4	11
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	9	24
Polystyrene foam product manufacturing	<1	3	5	14
Urethane and other foam product (except polystyrene) manufacturing	<1	10	19	54
Plastics bottle manufacturing	<1	1	2	8
Other plastics product manufacturing	<1	26	42	131
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	<1	1	3
Other rubber product manufacturing	<1	7	11	38
Pottery, ceramics, and plumbing fixture manufacturing	<1	4	5	10
Brick, tile, and other structural clay product manufacturing	<1	5	7	15
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	<1	1	4
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	<1	<1	3
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	88	115	383
Concrete block and brick manufacturing	<1	16	20	61
Concrete pipe manufacturing	<1	2	2	6
Other concrete product manufacturing	<1	20	23	60
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	9	10	23
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	1	4
Iron and steel mills and ferroalloy manufacturing	<1	75	36	772
Iron, steel pipe and tube manufacturing from purchased steel	<1	12	7	74
Rolled steel shape manufacturing	<1	4	1	39
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	22	17	238
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	<1	2
Iron and steel forging	0	0	0	0

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	1	2	6
Fabricated structural metal manufacturing	<1	14	18	73
Plate work manufacturing	<1	4	4	13
Metal window and door manufacturing	<1	2	2	7
Sheet metal work manufacturing	<1	194	233	620
Ornamental and architectural metal work manufacturing	<1	1	1	4
Power boiler and heat exchanger manufacturing	<1	<1	<1	<1
Metal tank (heavy gauge) manufacturing	<1	<1	<1	<1
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	1
Machine shops	<1	67	77	156
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	10	13	35
Metal coating and nonprecious engraving	<1	18	27	77
Electroplating, anodizing, and coloring metal	<1	2	2	5
Valve and fittings, other than plumbing, manufacturing	<1	5	7	16
Plumbing fixture fitting and trim manufacturing	<1	8	18	50
Ball and roller bearing manufacturing	<1	24	35	77
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	2	3	6
Other fabricated metal manufacturing	<1	2	3	6
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	7	17	44
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3	7	15
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	2	3	8
Machine tool manufacturing	<1	<1	<1	2
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3	7	17
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	<1	1	4
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	5
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	<1	<1	1
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	<1	<1	<1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	<1	<1
Other electronic component manufacturing	<1	24	32	89
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	5	11
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	5	8	23
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	55,789	87,453	178,268
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	13	21	51
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	<1	<1	1
Lighting fixture manufacturing	<1	2	3	9
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	<1	<1	<1
Household refrigerator and home freezer manufacturing	<1	<1	<1	<1
Household laundry equipment manufacturing	<1	<1	<1	2
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	<1	1	2	3
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	3	4	7

Appendix

Relay and industrial control manufacturing	<1	6	8	12
Storage battery manufacturing	<1	91	114	294
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	73	120	271
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3	3	14
Motor vehicle gasoline engine and engine parts manufacturing	<1	1	2	12
Motor vehicle electrical and electronic equipment manufacturing	<1	10	13	60
Motor vehicle transmission and power train parts manufacturing	<1	11	18	70
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	3
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	15	17	75
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	<1	<1	<1	<1
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	<1	1	7
Wood kitchen cabinet and countertop manufacturing	<1	15	10	34
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	1	1	4
Other household nonupholstered furniture manufacturing	<1	2	1	7
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	<1	1	<1	4
Showcase, partition, shelving, and locker manufacturing	<1	3	2	8
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	14	23
Surgical appliance and supplies manufacturing	<1	-2	64	106
Dental equipment and supplies manufacturing	<1	0	1	3
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	-1	-1	2
Jewelry and silverware manufacturing	<1	3	4	16
Sporting and athletic goods manufacturing	<1	0	<1	3
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	-1	2	6
Sign manufacturing	<1	-8	-8	24
Gasket, packing, and sealing device manufacturing	<1	-1	<1	4

Appendix

Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	0	<1	<1
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	378	733	2,158
Wholesale - Professional and commercial equipment and supplies	<1	1,691	2,640	4,707
Wholesale - Household appliances and electrical and electronic goods	<1	2,052	3,713	8,763
Wholesale - Machinery, equipment, and supplies	<1	1,354	2,169	4,066
Wholesale - Other durable goods merchant wholesalers	<1	1,788	2,682	5,529
Wholesale - Drugs and druggists' sundries	<1	896	1,966	4,287
Wholesale - Grocery and related product wholesalers	<1	817	1,006	2,097
Wholesale - Petroleum and petroleum products	<1	206	2,453	2,751
Wholesale - Other nondurable goods merchant wholesalers	<1	1,957	3,664	6,458
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,197	1,230	1,427
Retail - Motor vehicle and parts dealers	<1	1,884	2,429	3,720
Retail - Furniture and home furnishings stores	<1	1,069	1,164	2,009
Retail - Electronics and appliance stores	<1	1,192	939	1,666
Retail - Building material and garden equipment and supplies stores	<1	1,289	1,922	3,017
Retail - Food and beverage stores	<1	3,385	3,943	6,690
Retail - Health and personal care stores	<1	1,922	2,202	3,521
Retail - Gasoline stores	<1	777	1,018	2,251
Retail - Clothing and clothing accessories stores	<1	1,485	1,847	4,397
Retail - Sporting goods, hobby, musical instrument and book stores	<1	676	752	1,357
Retail - General merchandise stores	<1	2,384	2,828	5,256

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Retail - Miscellaneous store retailers	<1	1,175	1,158	2,193
Retail - Nonstore retailers	<1	1,646	4,415	9,025
Air transportation	<1	496	506	1,762
Rail transportation	<1	324	523	1,411
Water transportation	<1	15	49	626
Truck transportation	<1	2,439	2,862	5,565
Transit and ground passenger transportation	<1	1,025	1,277	1,786
Pipeline transportation	<1	29	52	67
Scenic and sightseeing transportation and support activities for transportation	<1	3,408	3,708	7,050
Couriers and messengers	<1	1,144	1,604	2,672
Warehousing and storage	<1	3,730	4,166	7,550
Newspaper publishers	<1	404	727	899
Periodical publishers	<1	171	288	431
Book publishers	<1	18	60	102
Directory, mailing list, and other publishers	<1	28	85	126
Greeting card publishing	<1	11	36	48
Software publishers	<1	665	1,580	1,789
Motion picture and video industries	<1	283	348	1,327
Sound recording industries	<1	12	37	144
Radio and television broadcasting	<1	928	1,030	2,412
Cable and other subscription programming	<1	168	517	1,348
Wired telecommunications carriers	<1	1,472	3,298	6,395
Wireless telecommunications carriers (except satellite)	<1	10	76	171
Satellite, telecommunications resellers, and all other telecommunications	<1	118	166	432
Data processing, hosting, and related services	<1	863	2,485	4,890
News syndicates, libraries, archives and all other information services	<1	234	515	957
Internet publishing and broadcasting and web search portals	<1	347	852	1,879
Nondepository credit intermediation and related activities	<1	3,487	7,600	9,612
Securities and commodity contracts intermediation and brokerage	<1	8,534	8,377	11,137

Appendix

Monetary authorities and depository credit intermediation	<1	3,930	40,142	41,745
Other financial investment activities	<1	5,111	7,478	11,887
Direct life insurance carriers	<1	567	4,478	4,504
Insurance carriers, except direct life	<1	1,253	23,873	24,561
Insurance agencies, brokerages, and related activities	<1	595	3,497	4,378
Funds, trusts, and other financial vehicles	<1	565	642	6,300
Other real estate	<1	12,023	37,691	91,471
Tenant-occupied housing	<1	749	11,756	12,988
Owner-occupied dwellings	0	0	44,529	56,528
Automotive equipment rental and leasing	<1	142	2,473	2,432
General and consumer goods rental except video tapes and discs	<1	654	864	1,157
Video tape and disc rental	<1	130	206	341
Commercial and industrial machinery and equipment rental and leasing	<1	165	2,713	2,728
Lessors of nonfinancial intangible assets	<1	58	4,785	4,840
Legal services	<1	17,013	27,850	34,555
Accounting, tax preparation, bookkeeping, and payroll services	<1	3,902	5,157	7,103
Architectural, engineering, and related services	<1	5,521	6,120	10,011
Specialized design services	<1	170	274	395
Custom computer programming services	<1	6,057	7,026	8,976
Computer systems design services	<1	2,722	2,660	3,288
Other computer related services, including facilities management	<1	344	643	941
Management consulting services	<1	11,592	12,102	17,232
Environmental and other technical consulting services	<1	1,382	1,464	2,072
Scientific research and development services	2	281,792	326,021	557,090
Advertising, public relations, and related services	<1	1,907	2,700	5,084
Photographic services	<1	79	202	385
Veterinary services	<1	504	629	921
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	863	1,552	2,549

Appendix

Management of companies and enterprises	<1	32,500	42,642	61,171
Office administrative services	<1	5,170	2,023	4,357
Facilities support services	<1	154	230	488
Employment services	<1	12,372	18,481	25,328
Business support services	<1	2,068	1,727	2,693
Travel arrangement and reservation services	<1	888	1,155	2,393
Investigation and security services	<1	1,652	1,604	2,241
Services to buildings	<1	2,473	3,410	6,338
Landscape and horticultural services	<1	1,876	2,270	3,836
Other support services	<1	564	736	1,370
Waste management and remediation services	<1	1,147	1,863	3,365
Elementary and secondary schools	<1	1,654	1,404	1,654
Junior colleges, colleges, universities, and professional schools	<1	2,089	2,803	3,615
Other educational services	<1	1,175	1,305	2,518
Offices of physicians	<1	11,458	11,895	16,891
Offices of dentists	<1	2,958	3,547	4,729
Offices of other health practitioners	<1	2,221	3,004	4,008
Outpatient care centers	<1	2,106	1,875	3,394
Medical and diagnostic laboratories	<1	921	1,241	1,842
Home health care services	<1	3,183	2,997	3,823
Other ambulatory health care services	<1	436	477	847
Hospitals	<1	27,935	31,555	56,699
Nursing and community care facilities	<1	3,920	3,933	6,417
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,767	1,762	2,484
Individual and family services	<1	3,953	3,316	4,983
Child day care services	<1	1,317	1,855	2,459
Community food, housing, and other relief services, including rehabilitation services	<1	942	927	2,085
Performing arts companies	<1	212	282	823
Commercial Sports Except Racing	<1	135	61	287
Racing and Track Operation	<1	78	140	335
Independent artists, writers, and performers	<1	152	357	933

Appendix

Promoters of performing arts and sports and agents for public figures	<1	105	163	681
Museums, historical sites, zoos, and parks	<1	252	291	519
Amusement parks and arcades	<1	81	87	156
Gambling industries (except casino hotels)	<1	710	1,656	2,659
Other amusement and recreation industries	<1	519	448	928
Fitness and recreational sports centers	<1	410	434	1,010
Bowling centers	<1	58	73	152
Hotels and motels, including casino hotels	<1	150	281	433
Other accommodations	<1	47	67	86
Full-service restaurants	<1	5,778	8,017	13,735
Limited-service restaurants	<1	3,467	5,091	11,273
All other food and drinking places	<1	3,800	5,257	7,593
Automotive repair and maintenance, except car washes	<1	3,644	3,821	5,490
Car washes	<1	1,696	2,405	3,657
Electronic and precision equipment repair and maintenance	<1	660	747	1,237
Commercial and industrial machinery and equipment repair and maintenance	<1	1,052	1,076	1,502
Personal and household goods repair and maintenance	<1	461	736	1,049
Personal care services	<1	2,041	1,559	2,190
Death care services	<1	506	196	334
Dry-cleaning and laundry services	<1	955	335	540
Other personal services	<1	771	926	1,314
Religious organizations	<1	3,461	1,555	6,283
Grantmaking, giving, and social advocacy organizations	<1	958	2,865	4,965
Business and professional associations	<1	611	987	1,739
Labor and civic organizations	<1	672	1,777	3,378
Private households	<1	558	558	558
Postal service	<1	1,735	1,736	1,850
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	32	35	99
State government passenger transit	<1	8,407	6,570	18,287
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	559	641	1,016
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	26	44	103
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	17,221	38,969	89,150

Investments in Climate Change Research and Technology

Table 651: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Delaware

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	17	1,356,601	2,024,345	3,653,250
Oilseed farming	<1	1,845	720	897
Grain farming	<1	2,220	1,140	2,312
Vegetable and melon farming	<1	1,179	1,110	1,233
Fruit farming	<1	101	90	90
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	72	71	82
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	431	407	438
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	255	202	279

Appendix

Dairy cattle and milk production	<1	28	32	60
Poultry and egg production	<1	580	508	5,281
Animal production, except cattle and poultry and eggs	<1	1,739	655	864
Forestry, forest products, and timber tract production	<1	21	26	32
Commercial logging	<1	7	8	10
Commercial fishing	<1	53	66	110
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	1,078	957	1,222
Oil and gas extraction	<1	34	39	464
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	23	45	91
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	2	2	19
Other nonmetallic minerals services	<1	<1	<1	1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	383	1,401	3,641
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	68	38	118
Electric power transmission and distribution	<1	4,852	15,032	36,741
Natural gas distribution	<1	452	1,140	2,671
Water, sewage and other systems	<1	1,493	2,682	4,563
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	7,325	12,393	25,391
Maintenance and repair construction of residential structures	<1	1,742	2,758	5,818
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	10
Dog and cat food manufacturing	<1	21	60	334
Other animal food manufacturing	<1	48	77	548
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	10
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	4	6	27
Frozen fruits, juices and vegetables manufacturing	<1	52	102	325
Frozen specialties manufacturing	<1	62	88	274
Canned fruits and vegetables manufacturing	<1	<1	<1	4
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	20	32	146
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	6	8	27
Frozen cakes and other pastries manufacturing	<1	30	36	76
Poultry processing	<1	2,292	2,805	12,356
Animal, except poultry, slaughtering	<1	3	4	29
Meat processed from carcasses	<1	49	46	359
Rendering and meat byproduct processing	<1	<1	<1	5
Seafood product preparation and packaging	<1	61	76	302
Bread and bakery product, except frozen, manufacturing	<1	49	61	191
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	8	11	49
Other snack food manufacturing	<1	6	9	38
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	6	11	34
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	73	108	355

Appendix

Bottled and canned soft drinks & water	<1	71	93	302
Manufactured ice	0	0	0	0
Breweries	<1	105	164	433
Wineries	<1	10	13	67
Distilleries	<1	22	40	86
Tobacco product manufacturing	<1	69	866	1,546
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	159	139	593
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	5	15
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	1
Textile bag and canvas mills	<1	3	3	9
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	7	7	21
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	1
Cut and sew apparel contractors	<1	<1	<1	1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	4
Apparel accessories and other apparel manufacturing	<1	<1	<1	7
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	6	5	23
Wood preservation	<1	3	2	16
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	12	10	35
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	79	74	210

Appendix

Cut stock, resawing lumber, and planing	<1	6	5	21
Other millwork, including flooring	<1	10	9	31
Wood container and pallet manufacturing	<1	30	28	93
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	23	21	66
All other miscellaneous wood product manufacturing	<1	15	13	47
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	18	35	131
Paper bag and coated and treated paper manufacturing	<1	3	9	26
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	209	994	2,357
All other converted paper product manufacturing	<1	9	16	50
Printing	<1	503	454	1,306
Support activities for printing	<1	3	3	5
Petroleum refineries	<1	1,130	4,446	26,414
Asphalt paving mixture and block manufacturing	<1	42	55	284
Asphalt shingle and coating materials manufacturing	<1	34	81	255
Petroleum lubricating oil and grease manufacturing	<1	19	44	139
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	298	629	1,591
Synthetic dye and pigment manufacturing	<1	77	152	377
Other basic inorganic chemical manufacturing	<1	40	79	222
Other basic organic chemical manufacturing	<1	672	1,349	5,897
Plastics material and resin manufacturing	<1	224	358	1,614
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	13	17	56

Appendix

Nitrogenous fertilizer manufacturing	<1	8	19	56
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	2
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	2	3
Pharmaceutical preparation manufacturing	<1	37	127	380
In-vitro diagnostic substance manufacturing	<1	4	5	11
Biological product (except diagnostic) manufacturing	<1	6	11	22
Paint and coating manufacturing	<1	4	7	21
Adhesive manufacturing	<1	2	3	11
Soap and other detergent manufacturing	<1	55	160	402
Polish and other sanitation good manufacturing	<1	35	53	133
Surface active agent manufacturing	<1	42	132	313
Toilet preparation manufacturing	<1	4	13	31
Printing ink manufacturing	<1	<1	<1	2
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	186	329	966
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	33	55	177
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	273	518	1,639
Unlaminated plastics profile shape manufacturing	<1	11	28	64
Plastics pipe and pipe fitting manufacturing	<1	3,666	12,019	27,595
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	13	28	75
Polystyrene foam product manufacturing	<1	8	15	40
Urethane and other foam product (except polystyrene) manufacturing	<1	25	46	136
Plastics bottle manufacturing	<1	3	6	20
Other plastics product manufacturing	<1	45	74	247

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	2	3	8
Other rubber product manufacturing	<1	14	22	76
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	11	21
Brick, tile, and other structural clay product manufacturing	<1	29	39	78
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	2	2	7
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1	2	5
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	243	328	1,076
Concrete block and brick manufacturing	<1	33	46	129
Concrete pipe manufacturing	<1	4	6	16
Other concrete product manufacturing	<1	57	69	176
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	23	25	60
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	2	3	10
Iron and steel mills and ferroalloy manufacturing	<1	16,922	9,809	172,567
Iron, steel pipe and tube manufacturing from purchased steel	<1	94	65	650
Rolled steel shape manufacturing	<1	24	9	196
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	40	32	480
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	2	2	5
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	3	4	16
Fabricated structural metal manufacturing	<1	44	60	245
Plate work manufacturing	<1	15	16	53
Metal window and door manufacturing	<1	4	5	16
Sheet metal work manufacturing	<1	269	330	907
Ornamental and architectural metal work manufacturing	<1	3	3	10
Power boiler and heat exchanger manufacturing	<1	<1	<1	2
Metal tank (heavy gauge) manufacturing	<1	<1	<1	2
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	1
Machine shops	<1	86	100	208
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	24	32	84
Metal coating and nonprecious engraving	<1	21	32	91
Electroplating, anodizing, and coloring metal	<1	2	2	6
Valve and fittings, other than plumbing, manufacturing	<1	10	13	32

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Plumbing fixture fitting and trim manufacturing	<1	17	36	105
Ball and roller bearing manufacturing	<1	20	31	70
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	9	10	24
Other fabricated metal manufacturing	<1	4	5	10
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	9	11	31
All other industrial machinery manufacturing	<1	<1	2	4
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	11	25	68
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7	18	41
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

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Cutting tool and machine tool accessory manufacturing	<1	3	4	12
Machine tool manufacturing	<1	<1	1	4
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	25	49	134
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	1	3	9
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	5
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	<1	<1	<1	<1

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Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	1
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	<1	<1	1
Other electronic component manufacturing	<1	12	16	45
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	6	14
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	5	8	22
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	0	0	0	0
Analytical laboratory instrument manufacturing	<1	66,348	106,821	212,512
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	7	11	26
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	<1	<1	2
Lighting fixture manufacturing	<1	2	3	9
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	<1	<1	<1	2
Household refrigerator and home freezer manufacturing	<1	<1	<1	2
Household laundry equipment manufacturing	<1	<1	<1	4
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	<1	2	2	4
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	4	6	11
Relay and industrial control manufacturing	<1	5	6	10
Storage battery manufacturing	<1	133	172	463
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	40	63	158
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	9	11	44
Motor vehicle gasoline engine and engine parts manufacturing	<1	6	11	53
Motor vehicle electrical and electronic equipment manufacturing	<1	25	39	194
Motor vehicle transmission and power train parts manufacturing	<1	25	45	201
Motor vehicle seating and interior trim manufacturing	<1	2	3	13
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	4
Aircraft engine and engine parts manufacturing	<1	3	3	15
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	<1	<1	<1	2
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	2	15
Wood kitchen cabinet and countertop manufacturing	<1	37	28	94
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	3	2	7
Other household nonupholstered furniture manufacturing	<1	3	2	13
Institutional furniture manufacturing	<1	3	3	9
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	<1	1	<1	5
Showcase, partition, shelving, and locker manufacturing	<1	5	3	16
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	23	41
Surgical appliance and supplies manufacturing	<1	-3	88	158
Dental equipment and supplies manufacturing	<1	0	2	4

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Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	-2	-1	3
Jewelry and silverware manufacturing	<1	7	9	36
Sporting and athletic goods manufacturing	<1	-1	2	6
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	-1	4	12
Sign manufacturing	<1	-23	-21	69
Gasket, packing, and sealing device manufacturing	<1	-3	2	10
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	0	<1	2
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	743	1,453	4,256
Wholesale - Professional and commercial equipment and supplies	<1	2,860	4,486	8,128
Wholesale - Household appliances and electrical and electronic goods	<1	2,647	4,997	11,930
Wholesale - Machinery, equipment, and supplies	<1	2,681	4,404	8,230
Wholesale - Other durable goods merchant wholesalers	<1	4,988	7,546	15,623
Wholesale - Drugs and druggists' sundries	<1	1,780	4,032	8,957
Wholesale - Grocery and related product wholesalers	<1	1,785	2,220	4,667
Wholesale - Petroleum and petroleum products	<1	659	5,366	6,217
Wholesale - Other nondurable goods merchant wholesalers	<1	3,969	7,078	12,933
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,633	2,706	3,154
Retail - Motor vehicle and parts dealers	<1	4,203	5,413	8,376
Retail - Furniture and home furnishings stores	<1	2,249	2,446	4,314
Retail - Electronics and appliance stores	<1	2,576	1,984	3,626

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Retail - Building material and garden equipment and supplies stores	<1	2,803	4,191	6,636
Retail - Food and beverage stores	<1	6,539	7,716	13,434
Retail - Health and personal care stores	<1	4,192	4,780	7,693
Retail - Gasoline stores	<1	1,601	2,237	5,255
Retail - Clothing and clothing accessories stores	<1	3,013	3,820	9,495
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,433	1,595	2,964
Retail - General merchandise stores	<1	5,530	6,504	12,155
Retail - Miscellaneous store retailers	<1	2,356	2,348	4,661
Retail - Nonstore retailers	<1	3,372	8,522	18,054
Air transportation	<1	1,026	983	3,548
Rail transportation	<1	1,145	2,204	5,497
Water transportation	<1	28	92	1,234
Truck transportation	<1	5,319	6,384	12,722
Transit and ground passenger transportation	<1	1,372	1,672	2,555
Pipeline transportation	<1	141	189	239
Scenic and sightseeing transportation and support activities for transportation	<1	8,100	8,776	16,490
Couriers and messengers	<1	2,282	3,179	5,377
Warehousing and storage	<1	6,846	7,645	14,102
Newspaper publishers	<1	900	1,595	2,018
Periodical publishers	<1	260	429	693
Book publishers	<1	38	125	217
Directory, mailing list, and other publishers	<1	75	218	326
Greeting card publishing	<1	17	50	71
Software publishers	<1	1,290	2,976	3,405
Motion picture and video industries	<1	435	520	2,454
Sound recording industries	<1	19	55	238
Radio and television broadcasting	<1	1,216	1,471	4,976
Cable and other subscription programming	<1	129	621	2,076
Wired telecommunications carriers	<1	3,029	7,037	14,025
Wireless telecommunications carriers (except satellite)	<1	21	147	343

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Satellite, telecommunications resellers, and all other telecommunications	<1	214	317	899
Data processing, hosting, and related services	<1	1,496	4,352	10,061
News syndicates, libraries, archives and all other information services	<1	380	806	1,660
Internet publishing and broadcasting and web search portals	<1	493	1,224	4,009
Nondepository credit intermediation and related activities	<1	6,542	13,950	18,904
Securities and commodity contracts intermediation and brokerage	<1	15,412	15,730	25,018
Monetary authorities and depository credit intermediation	<1	9,798	92,488	101,818
Other financial investment activities	<1	7,190	10,947	21,293
Direct life insurance carriers	<1	1,374	10,247	10,985
Insurance carriers, except direct life	<1	2,759	48,302	54,355
Insurance agencies, brokerages, and related activities	<1	1,359	7,783	10,210
Funds, trusts, and other financial vehicles	<1	1,027	1,128	13,255
Other real estate	1	23,157	75,306	204,346
Tenant-occupied housing	<1	1,437	20,667	23,667
Owner-occupied dwellings	0	0	81,572	103,552
Automotive equipment rental and leasing	<1	197	4,583	4,821
General and consumer goods rental except video tapes and discs	<1	1,224	1,786	2,578
Video tape and disc rental	<1	270	440	734
Commercial and industrial machinery and equipment rental and leasing	<1	290	5,886	6,132
Lessors of nonfinancial intangible assets	<1	116	8,693	8,834
Legal services	<1	39,613	63,158	80,306
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,693	9,650	13,923
Architectural, engineering, and related services	<1	15,552	16,690	28,108
Specialized design services	<1	316	469	731
Custom computer programming services	<1	8,203	9,659	12,947

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Computer systems design services	<1	5,178	5,015	6,356
Other computer related services, including facilities management	<1	567	1,064	1,626
Management consulting services	<1	22,650	23,487	34,921
Environmental and other technical consulting services	<1	2,714	2,842	4,116
Scientific research and development services	5	609,185	730,373	1,287,301
Advertising, public relations, and related services	<1	3,628	4,943	10,074
Photographic services	<1	178	401	847
Veterinary services	<1	1,042	1,241	1,892
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,991	3,370	6,051
Management of companies and enterprises	<1	57,254	74,693	111,534
Office administrative services	<1	8,290	3,045	7,328
Facilities support services	<1	329	493	1,149
Employment services	<1	27,707	40,448	59,495
Business support services	<1	5,154	4,208	7,073
Travel arrangement and reservation services	<1	1,914	2,483	5,282
Investigation and security services	<1	3,431	3,304	4,875
Services to buildings	<1	5,299	7,179	14,311
Landscape and horticultural services	<1	3,873	4,648	8,205
Other support services	<1	1,155	1,498	2,947
Waste management and remediation services	<1	2,567	4,170	7,692
Elementary and secondary schools	<1	2,545	2,180	2,618
Junior colleges, colleges, universities, and professional schools	<1	25,403	34,223	45,842
Other educational services	<1	2,063	2,274	4,576
Offices of physicians	<1	24,208	24,928	35,572
Offices of dentists	<1	6,015	7,023	9,521
Offices of other health practitioners	<1	4,757	6,181	8,348
Outpatient care centers	<1	4,012	3,532	6,368
Medical and diagnostic laboratories	<1	1,844	2,391	3,662
Home health care services	<1	6,786	6,338	8,114
Other ambulatory health care services	<1	882	950	1,713

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Hospitals	<1	47,561	54,232	99,021
Nursing and community care facilities	<1	7,425	7,437	12,619
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,853	2,838	4,118
Individual and family services	<1	6,773	5,544	8,540
Child day care services	<1	2,459	3,308	4,573
Community food, housing, and other relief services, including rehabilitation services	<1	1,490	1,455	3,415
Performing arts companies	<1	327	451	1,475
Commercial Sports Except Racing	<1	253	123	590
Racing and Track Operation	<1	135	255	709
Independent artists, writers, and performers	<1	229	633	1,706
Promoters of performing arts and sports and agents for public figures	<1	169	280	1,283
Museums, historical sites, zoos, and parks	<1	464	539	999
Amusement parks and arcades	<1	133	170	312
Gambling industries (except casino hotels)	<1	1,256	2,942	4,920
Other amusement and recreation industries	<1	1,012	914	1,982
Fitness and recreational sports centers	<1	707	793	1,925
Bowling centers	<1	114	150	325
Hotels and motels, including casino hotels	<1	239	461	730
Other accommodations	<1	63	92	122
Full-service restaurants	<1	12,001	16,274	29,061
Limited-service restaurants	<1	6,985	10,066	23,626
All other food and drinking places	<1	7,304	10,094	15,128
Automotive repair and maintenance, except car washes	<1	6,936	7,819	11,261
Car washes	<1	3,346	4,791	7,373
Electronic and precision equipment repair and maintenance	<1	1,377	1,533	2,656
Commercial and industrial machinery and equipment repair and maintenance	<1	2,401	2,510	3,625
Personal and household goods repair and maintenance	<1	919	1,556	2,242
Personal care services	<1	3,706	3,012	4,230
Death care services	<1	830	418	670

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Dry-cleaning and laundry services	<1	1,722	786	1,194
Other personal services	<1	1,487	1,821	2,630
Religious organizations	<1	5,997	3,537	11,939
Grantmaking, giving, and social advocacy organizations	<1	1,393	4,670	8,030
Business and professional associations	<1	1,132	1,982	3,552
Labor and civic organizations	<1	1,055	3,099	5,721
Private households	<1	1,017	1,017	1,017
Postal service	<1	3,623	3,625	3,868
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	68	55	185
State government passenger transit	<1	1,215	781	4,984
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,368	4,116	7,165
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	59	113	262
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	6,037	13,476	30,829

Florida

NASA

Table 652: Detailed NASA Impacts by Types of Impact, Florida

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>38,569</i>	<i>2,441,444,317</i>	<i>3,807,542,215</i>	<i>7,425,085,139</i>
Oilseed farming	<1	11,052	37,492	57,652
Grain farming	2	105,480	179,032	665,767
Vegetable and melon farming	24	935,951	1,843,852	3,726,573
Fruit farming	38	1,116,686	2,396,311	3,667,149
Tree nut farming	<1	10,108	22,973	35,055
Greenhouse, nursery, and floriculture production	25	949,737	1,440,036	2,975,717
Tobacco farming	<1	30,835	35,789	67,875
Cotton farming	<1	14,242	20,726	42,952
Sugarcane and sugar beet farming	6	289,450	418,458	889,313
All other crop farming	60	655,444	966,094	2,042,722
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	17	391,176	934,723	2,978,064
Dairy cattle and milk production	6	249,419	528,440	2,935,718
Poultry and egg production	2	60,106	102,858	1,183,426
Animal production, except cattle and poultry and eggs	20	912,278	2,481,801	3,548,674
Forestry, forest products, and timber tract production	3	168,431	182,824	229,557
Commercial logging	9	593,011	612,262	925,457
Commercial fishing	10	277,797	799,480	850,496
Commercial hunting and trapping	<1	55,704	186,773	217,872
Support activities for agriculture and forestry	95	3,485,815	3,457,826	4,266,542
Oil and gas extraction	56	606,415	173,585	22,778,853
Coal mining	<1	360	1,677	4,290
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	13,963	26,946	47,369
Gold ore mining	<1	13,894	29,746	44,151
Silver ore mining	<1	12,746	30,097	46,134
Uranium-radium-vanadium ore mining	<1	74,795	214,357	408,237
Other metal ore mining	<1	33,259	80,763	160,409
Stone mining and quarrying	4	226,186	1,218,357	1,931,684
Sand and gravel mining	2	126,029	388,382	671,109

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Other clay, ceramic, refractory minerals mining	<1	36,663	105,214	174,402
Potash, soda, and borate mineral mining	<1	21,603	48,397	80,916
Phosphate rock mining	1	90,160	204,693	383,492
Other chemical and fertilizer mineral mining	<1	1,001	3,279	5,960
Other nonmetallic minerals	1	68,674	191,861	335,758
Drilling oil and gas wells	<1	87	117	1,292
Support activities for oil and gas operations	<1	1,559	1,687	12,648
Metal mining services	1	8,568	4,431	399,408
Other nonmetallic minerals services	<1	529	661	14,904
Electric power generation - Hydroelectric	<1	55,065	180,611	248,199
Electric power generation - Fossil fuel	20	3,516,961	17,259,600	34,688,690
Electric power generation - Nuclear	5	1,274,930	3,336,064	5,830,958
Electric power generation - Solar	<1	137,086	674,282	1,145,992
Electric power generation - Wind	<1	66,445	794,739	1,216,281
Electric power generation - Geothermal	<1	127,439	365,708	623,480
Electric power generation - Biomass	<1	38,879	228,749	510,365
Electric power generation - All other	<1	74,494	90,762	232,574
Electric power transmission and distribution	46	7,651,372	34,056,559	68,569,544
Natural gas distribution	5	670,813	2,565,161	4,975,646
Water, sewage and other systems	10	956,778	2,346,780	3,914,006
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	475	28,735,533	35,807,969	75,634,474
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	141	7,768,880	14,467,993	31,134,900
Maintenance and repair construction of residential structures	55	2,859,027	5,040,959	10,967,959
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5,521	10,239	22,017
Dog and cat food manufacturing	<1	59,738	150,511	644,247
Other animal food manufacturing	5	373,759	731,154	5,219,508
Flour milling	1	103,620	176,078	1,180,150
Rice milling	<1	6,036	9,047	68,464
Malt manufacturing	<1	1,832	2,941	23,062
Wet corn milling	<1	40,316	99,808	1,011,747
Soybean and other oilseed processing	<1	9,261	42,277	799,861
Fats and oils refining and blending	<1	2,038	3,733	73,649
Breakfast cereal manufacturing	<1	16,787	36,593	191,272
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	2	136,129	317,407	1,660,665
Nonchocolate confectionery manufacturing	2	68,944	100,147	705,544
Chocolate and confectionery manufacturing from cacao beans	<1	20,825	29,950	182,467
Confectionery manufacturing from purchased chocolate	1	42,717	55,744	346,578
Frozen fruits, juices and vegetables manufacturing	7	466,118	827,861	3,365,536
Frozen specialties manufacturing	3	146,400	192,380	914,822
Canned fruits and vegetables manufacturing	7	500,799	919,477	3,939,738
Canned specialties	<1	6,942	15,402	104,001
Dehydrated food products manufacturing	<1	6,886	11,366	67,436
Cheese manufacturing	<1	14,039	18,769	163,374
Dry, condensed, and evaporated dairy product manufacturing	<1	5,733	12,190	139,258
Fluid milk manufacturing	6	300,120	440,318	3,545,278
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	2	80,719	106,196	718,344
Frozen cakes and other pastries manufacturing	27	758,352	1,098,819	2,146,809

Appendix

Poultry processing	5	199,124	239,446	1,398,278
Animal, except poultry, slaughtering	3	193,726	255,510	1,788,607
Meat processed from carcasses	8	414,423	443,818	3,471,801
Rendering and meat byproduct processing	2	156,639	168,672	933,242
Seafood product preparation and packaging	7	373,968	449,596	2,841,092
Bread and bakery product, except frozen, manufacturing	53	1,831,131	2,549,943	6,987,421
Cookie and cracker manufacturing	6	329,081	446,772	1,835,874
Dry pasta, mixes, and dough manufacturing	<1	39,230	78,160	408,901
Tortilla manufacturing	2	97,154	116,407	472,475
Roasted nuts and peanut butter manufacturing	2	156,362	231,185	1,013,197
Other snack food manufacturing	5	284,120	489,077	2,291,567
Coffee and tea manufacturing	2	79,937	134,580	930,480
Flavoring syrup and concentrate manufacturing	1	106,449	695,313	1,708,144
Mayonnaise, dressing, and sauce manufacturing	2	111,564	195,285	907,411
Spice and extract manufacturing	3	162,803	249,665	1,520,347
All other food manufacturing	9	400,525	556,880	3,298,183
Bottled and canned soft drinks & water	14	1,070,733	1,583,114	8,191,379
Manufactured ice	<1	45,676	22,304	106,840
Breweries	9	586,890	1,041,550	3,152,253
Wineries	2	118,593	167,493	614,209
Distilleries	3	283,377	831,803	2,134,484
Tobacco product manufacturing	5	725,942	9,849,740	16,005,148
Fiber, yarn, and thread mills	<1	6,487	8,786	51,109
Broadwoven fabric mills	<1	5,812	7,804	36,201
Narrow fabric mills and schiffli machine embroidery	<1	26,897	28,572	98,565
Nonwoven fabric mills	<1	33,695	45,054	220,216
Knit fabric mills	<1	2,728	3,089	11,412
Textile and fabric finishing mills	1	47,456	55,292	281,642
Fabric coating mills	<1	4,897	5,759	42,377
Carpet and rug mills	<1	26,542	35,422	162,972
Curtain and linen mills	2	69,856	81,708	340,382
Textile bag and canvas mills	4	173,176	191,035	610,934
Rope, cordage, twine, tire cord and tire fabric mills	<1	17,848	22,062	71,548
Other textile product mills	3	144,906	161,244	480,136
Hosiery and sock mills	<1	12,257	21,494	51,577

Appendix

Other apparel knitting mills	<1	13,834	22,991	56,144
Cut and sew apparel contractors	5	146,982	160,449	347,306
Mens and boys cut and sew apparel manufacturing	3	75,183	92,881	266,874
Womens and girls cut and sew apparel manufacturing	2	42,071	61,660	282,770
Other cut and sew apparel manufacturing	1	27,038	39,708	138,594
Apparel accessories and other apparel manufacturing	2	35,906	49,892	168,128
Leather and hide tanning and finishing	<1	7,295	10,618	50,910
Footwear manufacturing	<1	13,517	14,946	47,401
Other leather and allied product manufacturing	<1	24,556	26,227	82,994
Sawmills	8	430,945	554,147	2,284,460
Wood preservation	<1	51,489	96,321	487,587
Veneer and plywood manufacturing	2	128,863	164,638	584,605
Engineered wood member and truss manufacturing	8	442,431	558,417	1,920,651
Reconstituted wood product manufacturing	1	216,665	361,263	835,393
Wood windows and door manufacturing	5	333,778	398,918	1,203,078
Cut stock, resawing lumber, and planing	<1	17,894	24,354	89,143
Other millwork, including flooring	5	302,948	389,809	1,169,339
Wood container and pallet manufacturing	6	269,590	315,412	973,447
Manufactured home (mobile home) manufacturing	<1	1,251	1,418	4,336
Prefabricated wood building manufacturing	<1	25,521	30,163	102,244
All other miscellaneous wood product manufacturing	3	162,520	195,681	643,016
Pulp mills	<1	56,071	94,903	362,555
Paper mills	7	723,294	1,771,310	5,783,850
Paperboard mills	4	420,066	1,124,090	3,793,137
Paperboard container manufacturing	14	1,103,522	1,826,452	7,171,179
Paper bag and coated and treated paper manufacturing	3	225,205	458,144	1,595,610
Stationery product manufacturing	1	95,031	154,108	596,967
Sanitary paper product manufacturing	6	530,799	1,825,929	5,450,028
All other converted paper product manufacturing	1	70,375	111,602	356,419

Appendix

Printing	82	4,176,586	6,406,708	13,942,558
Support activities for printing	5	282,750	413,761	669,429
Petroleum refineries	<1	111,650	1,020,110	4,825,090
Asphalt paving mixture and block manufacturing	1	175,592	311,490	1,238,337
Asphalt shingle and coating materials manufacturing	<1	126,827	562,785	1,060,542
Petroleum lubricating oil and grease manufacturing	49	7,916,234	30,076,162	68,823,164
All other petroleum and coal products manufacturing	<1	14,057	70,262	114,783
Petrochemical manufacturing	<1	115,900	967,864	4,986,764
Industrial gas manufacturing	8	1,397,383	2,896,580	8,136,771
Synthetic dye and pigment manufacturing	<1	10,247	20,807	67,078
Other basic inorganic chemical manufacturing	2	252,309	561,022	1,879,350
Other basic organic chemical manufacturing	3	271,153	562,832	4,311,956
Plastics material and resin manufacturing	2	152,073	262,222	2,294,760
Synthetic rubber manufacturing	2	308,607	467,581	2,043,905
Artificial and synthetic fibers and filaments manufacturing	<1	51,217	71,668	326,646
Nitrogenous fertilizer manufacturing	<1	84,194	214,587	1,058,146
Phosphatic fertilizer manufacturing	3	404,378	862,834	2,859,847
Fertilizer mixing	1	111,043	223,142	695,049
Pesticide and other agricultural chemical manufacturing	<1	56,496	173,639	1,015,421
Medicinal and botanical manufacturing	2	138,563	233,707	936,183
Pharmaceutical preparation manufacturing	13	1,513,177	5,248,690	16,062,810
In-vitro diagnostic substance manufacturing	<1	60,912	89,767	244,662
Biological product (except diagnostic) manufacturing	<1	35,142	73,217	144,995
Paint and coating manufacturing	3	292,820	578,727	2,509,103
Adhesive manufacturing	2	174,773	288,603	1,105,152
Soap and other detergent manufacturing	3	263,618	853,359	4,188,078
Polish and other sanitation good manufacturing	2	175,481	274,848	987,646
Surface active agent manufacturing	<1	59,570	199,667	553,138
Toilet preparation manufacturing	5	431,897	1,430,377	3,962,162
Printing ink manufacturing	<1	44,204	48,233	204,287

Appendix

Explosives manufacturing	<1	83,507	95,166	242,395
Custom compounding of purchased resins	1	98,413	192,228	787,845
Photographic film and chemical manufacturing	<1	70,050	161,743	706,759
Other miscellaneous chemical product manufacturing	2	185,139	315,440	1,369,848
Plastics packaging materials and unlaminated film and sheet manufacturing	3	268,723	429,168	1,591,251
Unlaminated plastics profile shape manufacturing	3	267,931	559,631	1,574,134
Plastics pipe and pipe fitting manufacturing	2	156,738	401,623	1,394,240
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	31,859	57,286	209,932
Polystyrene foam product manufacturing	5	285,651	471,407	1,824,428
Urethane and other foam product (except polystyrene) manufacturing	2	116,454	183,397	761,598
Plastics bottle manufacturing	5	338,598	527,934	2,137,265
Other plastics product manufacturing	26	1,425,627	2,033,131	7,062,331
Tire manufacturing	3	160,760	239,599	1,235,849
Rubber and plastics hoses and belting manufacturing	<1	66,703	96,588	283,202
Other rubber product manufacturing	7	435,259	602,308	2,021,072
Pottery, ceramics, and plumbing fixture manufacturing	<1	21,223	34,498	81,648
Brick, tile, and other structural clay product manufacturing	<1	51,373	103,914	194,316
Flat glass manufacturing	2	115,623	293,316	754,793
Other pressed and blown glass and glassware manufacturing	<1	21,832	44,969	98,288
Glass container manufacturing	1	106,863	200,242	469,031
Glass product manufacturing made of purchased glass	6	306,061	616,238	1,522,877
Cement manufacturing	2	174,257	520,142	1,253,121
Ready-mix concrete manufacturing	11	798,136	1,583,008	4,472,370
Concrete block and brick manufacturing	4	300,753	649,353	1,459,214
Concrete pipe manufacturing	3	179,103	348,275	790,925
Other concrete product manufacturing	11	729,776	1,141,693	2,606,907
Lime manufacturing	<1	17,514	51,598	109,432
Gypsum product manufacturing	7	592,946	1,944,127	4,154,208

Appendix

Abrasive product manufacturing	<1	5,697	19,283	26,923
Cut stone and stone product manufacturing	3	142,459	181,407	401,183
Ground or treated mineral and earth manufacturing	<1	83,473	276,998	457,258
Mineral wool manufacturing	<1	73,472	210,092	361,358
Miscellaneous nonmetallic mineral products manufacturing	2	169,771	599,729	1,159,167
Iron and steel mills and ferroalloy manufacturing	2	260,541	1,517,371	3,890,778
Iron, steel pipe and tube manufacturing from purchased steel	<1	82,370	439,873	882,866
Rolled steel shape manufacturing	<1	19,348	160,034	426,637
Steel wire drawing	<1	54,258	228,130	506,655
Alumina refining and primary aluminum production	<1	36,439	146,538	710,185
Secondary smelting and alloying of aluminum	<1	7,198	35,546	200,729
Aluminum sheet, plate, and foil manufacturing	<1	21,387	150,484	378,008
Other aluminum rolling, drawing and extruding	1	85,997	300,494	873,410
Nonferrous metal (exc aluminum) smelting and refining	<1	6,555	152,239	206,303
Copper rolling, drawing, extruding and alloying	<1	27,003	116,324	534,700
Nonferrous metal, except copper and aluminum, shaping	<1	32,743	76,939	216,424
Secondary processing of other nonferrous metals	<1	27,164	185,963	453,923
Ferrous metal foundries	3	169,023	719,024	1,187,077
Nonferrous metal foundries	1	76,474	272,450	495,676
Custom roll forming	<1	11,534	19,835	105,106
Crown and closure manufacturing and metal stamping	4	272,557	347,098	1,014,736
Iron and steel forging	<1	37,152	61,277	239,282
Nonferrous forging	<1	14,479	21,160	71,877
Cutlery, utensil, pot, and pan manufacturing	<1	32,665	85,521	230,394
Handtool manufacturing	1	110,791	180,910	362,574
Prefabricated metal buildings and components manufacturing	6	403,115	573,250	1,932,846
Fabricated structural metal manufacturing	14	995,644	1,482,635	4,851,728
Plate work manufacturing	4	240,378	266,940	829,634
Metal window and door manufacturing	13	754,159	1,033,174	2,899,605
Sheet metal work manufacturing	7	424,397	567,430	1,624,357

Appendix

Ornamental and architectural metal work manufacturing	8	486,631	637,213	1,868,820
Power boiler and heat exchanger manufacturing	<1	2,282	3,387	11,249
Metal tank (heavy gauge) manufacturing	2	123,529	158,586	476,186
Metal cans manufacturing	1	130,243	295,866	1,256,861
Metal barrels, drums and pails manufacturing	1	73,653	92,972	398,358
Hardware manufacturing	2	123,501	194,778	608,103
Spring and wire product manufacturing	5	285,706	395,013	1,253,693
Machine shops	20	1,215,794	1,500,331	3,255,455
Turned product and screw, nut, and bolt manufacturing	3	166,398	247,239	755,788
Metal heat treating	1	99,034	144,419	348,928
Metal coating and nonprecious engraving	7	386,264	682,538	1,763,972
Electroplating, anodizing, and coloring metal	5	281,682	323,925	771,730
Valve and fittings, other than plumbing, manufacturing	7	559,088	899,190	2,512,739
Plumbing fixture fitting and trim manufacturing	<1	49,406	138,932	508,158
Ball and roller bearing manufacturing	<1	22,341	40,520	100,963
Small arms ammunition manufacturing	2	144,625	304,844	672,063
Ammunition, except for small arms, manufacturing	<1	1,180	1,499	4,051
Small arms, ordnance, and accessories manufacturing	2	144,961	277,012	703,120
Fabricated pipe and pipe fitting manufacturing	<1	54,124	68,194	195,652
Other fabricated metal manufacturing	9	526,091	699,347	1,974,167
Farm machinery and equipment manufacturing	<1	7,274	10,996	57,494
Lawn and garden equipment manufacturing	<1	15,398	23,715	144,037
Construction machinery manufacturing	<1	41,300	74,848	285,317
Mining machinery and equipment manufacturing	<1	5,763	7,919	23,256
Oil and gas field machinery and equipment manufacturing	<1	579	826	3,390
Semiconductor machinery manufacturing	<1	3,787	4,257	16,652
Food product machinery manufacturing	<1	2,010	2,212	6,681

Appendix

Sawmill, woodworking, and paper machinery	<1	4,065	4,458	14,755
Printing machinery and equipment manufacturing	<1	7,214	7,798	24,359
All other industrial machinery manufacturing	<1	7,334	8,670	26,734
Optical instrument and lens manufacturing	<1	9,066	11,327	33,881
Photographic and photocopying equipment manufacturing	<1	2,667	3,218	11,344
Other commercial service industry machinery manufacturing	5	515,463	734,909	2,075,632
Air purification and ventilation equipment manufacturing	<1	57,362	71,788	223,019
Heating equipment (except warm air furnaces) manufacturing	<1	45,856	60,594	214,562
Air conditioning, refrigeration, and warm air heating equipment manufacturing	4	280,854	431,272	1,626,394
Industrial mold manufacturing	<1	30,533	33,821	80,255
Special tool, die, jig, and fixture manufacturing	<1	6,344	7,506	16,583
Cutting tool and machine tool accessory manufacturing	<1	25,977	28,283	75,735
Machine tool manufacturing	<1	11,876	13,894	50,341
Rolling mill and other metalworking machinery manufacturing	<1	2,437	2,746	7,658
Turbine and turbine generator set units manufacturing	<1	10,041	12,193	62,297
Speed changer, industrial high-speed drive, and gear manufacturing	2	90,718	120,744	438,218
Mechanical power transmission equipment manufacturing	<1	45,584	62,097	141,951
Other engine equipment manufacturing	<1	72,559	129,015	887,295
Pump and pumping equipment manufacturing	<1	40,516	60,738	212,291
Air and gas compressor manufacturing	<1	12,775	20,790	84,179
Elevator and moving stairway manufacturing	<1	6,380	8,095	37,211
Conveyor and conveying equipment manufacturing	<1	4,012	4,407	15,047
Overhead cranes, hoists, and monorail systems manufacturing	<1	6,524	9,025	38,801
Industrial truck, trailer, and stacker manufacturing	<1	26,516	37,431	129,846

Appendix

Power-driven handtool manufacturing	<1	941	1,899	8,073
Welding and soldering equipment manufacturing	<1	18,306	23,913	116,706
Packaging machinery manufacturing	<1	22,527	28,327	82,151
Industrial process furnace and oven manufacturing	<1	839	931	2,835
Fluid power cylinder and actuator manufacturing	<1	13,515	17,226	53,508
Fluid power pump and motor manufacturing	<1	48,148	66,244	273,648
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	23,947	27,605	90,605
Electronic computer manufacturing	<1	16,929	37,828	168,964
Computer storage device manufacturing	<1	1,835	4,813	20,513
Computer terminals and other computer peripheral equipment manufacturing	10	1,435,883	2,529,820	5,862,238
Telephone apparatus manufacturing	<1	32,216	52,742	197,074
Broadcast and wireless communications equipment manufacturing	<1	50,062	78,848	190,252
Other communications equipment manufacturing	1	171,568	289,549	683,955
Audio and video equipment manufacturing	<1	28,542	51,259	225,800
Printed circuit assembly (electronic assembly) manufacturing	2	114,888	212,529	879,170
Bare printed circuit board manufacturing	2	350,153	462,373	847,117
Semiconductor and related device manufacturing	6	665,165	1,155,471	3,354,034
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	71,130	104,065	297,399
Electronic connector manufacturing	3	316,613	493,269	1,257,418
Other electronic component manufacturing	2	137,777	190,102	515,413
Electromedical and electrotherapeutic apparatus manufacturing	<1	20,155	40,180	102,375
Search, detection, and navigation instruments manufacturing	<1	20,256	36,186	77,870
Automatic environmental control manufacturing	2	112,979	155,049	366,542

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Industrial process variable instruments manufacturing	<1	37,842	61,147	138,599
Totalizing fluid meter and counting device manufacturing	<1	20,741	46,642	125,475
Electricity and signal testing instruments manufacturing	<1	7,163	11,669	33,184
Analytical laboratory instrument manufacturing	3	269,229	480,457	1,186,361
Irradiation apparatus manufacturing	<1	1,341	2,730	5,988
Watch, clock, and other measuring and controlling device manufacturing	<1	24,649	46,965	113,589
Blank magnetic and optical recording media manufacturing	<1	736	2,424	15,635
Software and other prerecorded and record reproducing	1	203,752	297,443	514,534
Electric lamp bulb and part manufacturing	<1	24,648	48,577	156,917
Lighting fixture manufacturing	3	222,713	327,505	1,012,978
Small electrical appliance manufacturing	<1	11,270	24,389	93,165
Household cooking appliance manufacturing	<1	4,126	8,744	24,108
Household refrigerator and home freezer manufacturing	<1	4,294	9,430	25,091
Household laundry equipment manufacturing	<1	9,876	16,814	57,740
Other major household appliance manufacturing	<1	1,607	3,740	9,343
Power, distribution, and specialty transformer manufacturing	<1	30,281	44,782	133,947
Motor and generator manufacturing	<1	49,007	83,867	317,063
Switchgear and switchboard apparatus manufacturing	4	310,935	521,589	1,533,501
Relay and industrial control manufacturing	2	121,866	167,232	521,365
Storage battery manufacturing	3	245,467	345,844	965,407
Primary battery manufacturing	1	101,734	155,606	356,827
Fiber optic cable manufacturing	2	82,219	104,641	721,330
Other communication and energy wire manufacturing	2	121,550	184,699	759,992
Wiring device manufacturing	2	126,941	236,262	755,118
Carbon and graphite product manufacturing	<1	32,225	53,342	138,522
All other miscellaneous electrical equipment and component manufacturing	<1	72,863	83,345	275,931
Automobile manufacturing	<1	3,591	5,185	75,785

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Light truck and utility vehicle manufacturing	<1	1,258	1,168	31,750
Heavy duty truck manufacturing	<1	23,594	29,523	294,732
Motor vehicle body manufacturing	<1	14,292	15,262	63,366
Truck trailer manufacturing	<1	728	723	4,212
Motor home manufacturing	2	160,133	169,795	950,288
Travel trailer and camper manufacturing	5	318,346	331,492	1,532,724
Motor vehicle gasoline engine and engine parts manufacturing	2	156,125	172,763	1,219,885
Motor vehicle electrical and electronic equipment manufacturing	2	134,334	159,824	850,691
Motor vehicle transmission and power train parts manufacturing	2	123,392	145,083	1,169,020
Motor vehicle seating and interior trim manufacturing	<1	35,177	35,845	189,332
Motor vehicle metal stamping	<1	47,777	48,937	256,530
Other motor vehicle parts manufacturing	9	587,067	607,364	3,891,685
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	292,339	335,145	1,766,499
Aircraft manufacturing	<1	7,933	12,548	61,780
Aircraft engine and engine parts manufacturing	1	172,183	295,816	758,715
Other aircraft parts and auxiliary equipment manufacturing	8	656,853	815,096	2,323,132
Guided missile and space vehicle manufacturing	6	948,105	1,277,418	3,352,367
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	58,194	82,852	161,650
Railroad rolling stock manufacturing	<1	2,523	2,719	10,878
Ship building and repairing	1	83,665	93,818	267,817
Boat building	15	925,522	1,137,061	4,426,995
Motorcycle, bicycle, and parts manufacturing	<1	21,784	46,427	216,456
Military armored vehicle, tank, and tank component manufacturing	1	120,970	176,427	678,401
All other transportation equipment manufacturing	2	180,696	276,845	1,314,903
Wood kitchen cabinet and countertop manufacturing	11	577,025	655,188	1,638,967
Upholstered household furniture manufacturing	3	154,961	172,151	590,850

Appendix

Nonupholstered wood household furniture manufacturing	3	131,136	141,184	393,614
Other household nonupholstered furniture manufacturing	2	118,931	155,378	685,782
Institutional furniture manufacturing	<1	49,700	53,525	149,642
Wood office furniture manufacturing	<1	9,312	10,690	30,058
Custom architectural woodwork and millwork	<1	17,292	16,184	47,845
Office furniture, except wood, manufacturing	<1	18,326	23,238	75,973
Showcase, partition, shelving, and locker manufacturing	<1	47,232	55,551	183,256
Mattress manufacturing	2	127,613	169,378	771,091
Blind and shade manufacturing	1	61,382	65,301	270,813
Surgical and medical instrument manufacturing	4	315,483	486,672	1,154,178
Surgical appliance and supplies manufacturing	6	476,452	775,033	2,055,844
Dental equipment and supplies manufacturing	<1	34,690	49,038	116,812
Ophthalmic goods manufacturing	6	560,689	888,580	1,638,894
Dental laboratories	6	416,555	427,315	707,904
Jewelry and silverware manufacturing	5	231,576	371,958	1,012,824
Sporting and athletic goods manufacturing	2	151,963	193,419	622,443
Doll, toy, and game manufacturing	<1	39,195	53,749	170,760
Office supplies (except paper) manufacturing	2	166,660	216,644	641,960
Sign manufacturing	3	219,699	191,250	482,711
Gasket, packing, and sealing device manufacturing	<1	25,918	30,087	72,052
Musical instrument manufacturing	<1	5,824	6,099	14,856
Fasteners, buttons, needles, and pins manufacturing	<1	65,096	79,046	198,988
Broom, brush, and mop manufacturing	<1	67,618	85,161	238,782
Burial casket manufacturing	<1	6,007	7,007	11,236
All other miscellaneous manufacturing	7	455,119	568,473	1,501,989
Wholesale - Motor vehicle and motor vehicle parts and supplies	34	2,478,571	5,720,539	12,394,916
Wholesale - Professional and commercial equipment and supplies	85	9,984,816	16,071,042	26,663,494

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Wholesale - Household appliances and electrical and electronic goods	44	4,405,172	10,486,165	21,369,777
Wholesale - Machinery, equipment, and supplies	56	4,882,226	9,495,829	16,024,710
Wholesale - Other durable goods merchant wholesalers	117	9,546,835	16,820,349	30,918,791
Wholesale - Drugs and druggists' sundries	38	5,262,182	14,759,643	27,828,418
Wholesale - Grocery and related product wholesalers	90	7,071,444	9,587,971	18,084,092
Wholesale - Petroleum and petroleum products	25	2,645,618	39,379,671	44,139,391
Wholesale - Other nondurable goods merchant wholesalers	141	12,475,247	28,030,730	47,374,755
Wholesale - Wholesale electronic markets and agents and brokers	72	7,122,437	7,435,817	8,774,082
Retail - Motor vehicle and parts dealers	126	7,874,615	12,317,449	17,721,492
Retail - Furniture and home furnishings stores	86	3,971,832	5,286,212	8,371,973
Retail - Electronics and appliance stores	82	4,326,420	4,626,509	7,649,205
Retail - Building material and garden equipment and supplies stores	133	5,605,941	10,487,436	15,508,063
Retail - Food and beverage stores	400	11,843,758	16,575,107	28,004,716
Retail - Health and personal care stores	173	7,716,633	9,755,620	15,009,748
Retail - Gasoline stores	208	5,854,920	10,483,804	20,416,756
Retail - Clothing and clothing accessories stores	196	5,472,398	8,886,122	18,021,874
Retail - Sporting goods, hobby, musical instrument and book stores	109	3,069,682	4,265,832	6,792,620
Retail - General merchandise stores	388	11,787,156	17,713,502	29,080,360
Retail - Miscellaneous store retailers	210	5,572,224	6,891,683	11,096,277
Retail - Nonstore retailers	243	8,017,328	26,791,801	46,396,541
Air transportation	85	8,768,332	20,438,928	35,068,752
Rail transportation	36	5,265,654	7,300,047	15,146,403
Water transportation	12	1,348,373	2,512,211	8,542,085
Truck transportation	4,035	193,995,690	261,753,783	573,184,043
Transit and ground passenger transportation	408	3,253,191	3,795,608	8,397,369
Pipeline transportation	5	777,692	2,117,733	2,640,481
Scenic and sightseeing transportation and support activities for transportation	455	30,121,937	32,662,070	66,981,557

Appendix

Couriers and messengers	407	12,469,207	18,014,419	32,724,796
Warehousing and storage	319	10,495,562	12,041,094	26,121,957
Newspaper publishers	20	1,240,291	2,055,238	2,558,800
Periodical publishers	13	1,152,004	1,783,966	2,736,790
Book publishers	7	634,743	1,846,799	3,010,682
Directory, mailing list, and other publishers	5	343,293	914,988	1,316,733
Greeting card publishing	<1	5,315	14,102	25,050
Software publishers	81	10,792,964	23,521,881	26,231,094
Motion picture and video industries	50	2,965,585	4,851,433	12,196,180
Sound recording industries	6	416,846	2,295,969	3,974,442
Radio and television broadcasting	49	13,238,530	15,097,006	26,794,802
Cable and other subscription programming	9	2,850,482	10,632,373	19,195,425
Wired telecommunications carriers	101	9,406,666	24,372,620	46,306,749
Wireless telecommunications carriers (except satellite)	19	2,013,967	16,495,523	38,068,062
Satellite, telecommunications resellers, and all other telecommunications	116	11,878,715	18,811,487	48,913,680
Data processing, hosting, and related services	82	8,908,201	17,995,111	43,053,359
News syndicates, libraries, archives and all other information services	9	709,520	1,170,888	2,302,271
Internet publishing and broadcasting and web search portals	26	4,161,461	9,012,463	29,364,926
Nondepository credit intermediation and related activities	144	14,097,360	16,192,759	28,483,163
Securities and commodity contracts intermediation and brokerage	394	26,349,853	24,723,166	51,189,907
Monetary authorities and depository credit intermediation	319	30,902,677	49,015,852	105,996,289
Other financial investment activities	210	11,865,788	15,453,241	43,404,959
Direct life insurance carriers	53	5,160,478	9,493,773	14,181,181
Insurance carriers, except direct life	259	21,682,443	65,474,544	147,156,808
Insurance agencies, brokerages, and related activities	322	24,141,148	37,388,865	91,108,248
Funds, trusts, and other financial vehicles	94	2,498,272	3,650,623	26,115,602
Other real estate	1,827	35,277,827	109,989,458	324,512,174
Tenant-occupied housing	135	2,614,343	51,532,456	57,606,512

Appendix

Owner-occupied dwellings	0	0	154,460,315	196,080,574
Automotive equipment rental and leasing	65	3,409,230	12,008,180	16,949,474
General and consumer goods rental except video tapes and discs	73	3,618,394	5,409,936	9,455,897
Video tape and disc rental	13	593,489	1,035,408	1,646,636
Commercial and industrial machinery and equipment rental and leasing	78	6,065,663	18,554,349	26,009,906
Lessors of nonfinancial intangible assets	7	1,157,790	16,221,848	17,966,036
Legal services	542	47,459,531	66,502,844	97,097,513
Accounting, tax preparation, bookkeeping, and payroll services	309	22,405,585	30,396,372	44,219,281
Architectural, engineering, and related services	457	34,133,274	37,959,790	68,804,508
Specialized design services	39	2,379,409	3,938,790	6,173,670
Custom computer programming services	164	14,373,962	15,272,490	21,807,687
Computer systems design services	113	10,219,150	9,683,269	12,640,744
Other computer related services, including facilities management	76	6,856,005	10,563,563	18,892,970
Management consulting services	619	49,556,791	51,599,614	85,267,890
Environmental and other technical consulting services	92	6,771,894	7,127,339	11,109,797
Scientific research and development services	4,402	367,988,841	487,658,138	963,792,843
Advertising, public relations, and related services	187	12,248,389	17,296,684	31,591,673
Photographic services	13	488,161	1,268,824	2,455,606
Veterinary services	38	1,818,971	2,300,256	3,578,053
Marketing research and all other miscellaneous professional, scientific, and technical services	731	57,720,293	111,081,202	192,916,130
Management of companies and enterprises	683	76,897,572	89,372,353	151,883,902
Office administrative services	259	15,395,966	6,600,000	16,951,643
Facilities support services	528	32,570,623	47,560,958	92,996,034
Employment services	1,479	57,945,480	83,663,367	127,042,649
Business support services	285	12,142,101	10,097,914	18,657,099
Travel arrangement and reservation services	66	3,259,564	4,167,458	10,199,190
Investigation and security services	254	8,906,855	8,634,528	13,162,448
Services to buildings	486	14,471,428	19,360,351	37,209,199
Landscape and horticultural services	202	7,075,983	8,441,731	15,952,833

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Other support services	71	3,203,756	4,043,516	8,043,190
Waste management and remediation services	62	4,246,645	7,064,952	13,507,589
Elementary and secondary schools	137	5,541,846	5,076,738	6,029,113
Junior colleges, colleges, universities, and professional schools	432	18,539,720	27,486,278	36,396,870
Other educational services	104	4,363,719	5,008,990	9,220,898
Offices of physicians	512	45,646,522	48,403,900	71,879,109
Offices of dentists	141	8,640,136	11,524,186	16,447,730
Offices of other health practitioners	135	6,943,723	11,040,339	14,703,056
Outpatient care centers	155	9,131,281	8,561,452	15,926,006
Medical and diagnostic laboratories	53	3,647,514	5,761,390	8,375,279
Home health care services	230	10,531,488	10,193,103	13,121,020
Other ambulatory health care services	45	2,643,514	3,039,109	4,929,835
Hospitals	736	56,675,574	66,830,996	132,279,882
Nursing and community care facilities	279	10,880,735	12,145,352	21,731,611
Residential mental retardation, mental health, substance abuse and other facilities	74	3,096,128	3,332,220	5,195,498
Individual and family services	193	6,404,101	5,373,873	7,816,787
Child day care services	152	4,062,446	5,566,677	7,773,521
Community food, housing, and other relief services, including rehabilitation services	52	1,670,524	1,639,251	3,803,564
Performing arts companies	52	1,496,182	2,714,073	4,211,682
Commercial Sports Except Racing	168	5,963,591	3,538,872	6,734,336
Racing and Track Operation	9	241,378	744,045	1,069,259
Independent artists, writers, and performers	48	1,526,216	8,189,510	10,042,005
Promoters of performing arts and sports and agents for public figures	67	1,653,958	4,548,165	7,611,940
Museums, historical sites, zoos, and parks	7	294,311	419,515	718,433
Amusement parks and arcades	23	906,877	1,484,347	2,039,829
Gambling industries (except casino hotels)	74	2,836,653	6,391,313	10,105,690
Other amusement and recreation industries	82	2,674,327	2,700,920	4,867,773
Fitness and recreational sports centers	65	1,431,496	1,748,309	3,257,544
Bowling centers	8	214,877	341,032	567,565

Appendix

Hotels and motels, including casino hotels	454	17,800,662	37,626,705	55,408,005
Other accommodations	59	2,336,700	3,573,260	4,742,678
Full-service restaurants	955	25,875,671	38,508,368	64,524,637
Limited-service restaurants	660	13,758,784	23,108,783	50,092,225
All other food and drinking places	402	11,518,303	18,840,056	27,722,880
Automotive repair and maintenance, except car washes	455	22,609,740	27,607,856	41,432,312
Car washes	127	6,581,133	10,169,774	15,435,809
Electronic and precision equipment repair and maintenance	116	7,027,494	8,666,527	14,634,645
Commercial and industrial machinery and equipment repair and maintenance	206	13,182,552	12,685,842	20,394,623
Personal and household goods repair and maintenance	56	2,443,473	4,842,957	6,985,459
Personal care services	222	6,103,796	5,372,017	7,395,885
Death care services	50	1,540,963	935,287	1,458,617
Dry-cleaning and laundry services	132	3,829,865	2,175,950	3,203,756
Other personal services	147	4,186,704	5,198,395	7,843,847
Religious organizations	77	4,041,555	1,771,871	6,433,571
Grantmaking, giving, and social advocacy organizations	19	1,065,296	3,280,081	5,106,534
Business and professional associations	31	2,473,275	4,209,499	7,312,955
Labor and civic organizations	51	2,050,259	5,555,970	8,822,938
Private households	138	2,806,034	2,805,607	2,805,607
Postal service	114	10,530,124	10,531,270	11,193,963
Federal electric utilities	0	0	0	0
Other federal government enterprises	23	706,548	550,628	4,133,916
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	11	1,984,397	2,648,106	3,885,753
Local government passenger transit	28	3,060,380	1,390,751	3,530,498
Local government electric utilities	18	1,880,874	6,517,906	11,523,663
Other local government enterprises	93	6,518,953	16,705,036	31,941,901
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,205	367,597,330	467,866,314	1,063,424,678

Moon to Mars Campaign

Table 653: Detailed M2M Campaign Impacts by Types of Impact, Florida

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>10,016</i>	<i>702,348,086</i>	<i>1,089,239,145</i>	<i>2,061,358,497</i>
Oilseed farming	<1	3,207	15,259	26,345
Grain farming	<1	26,825	50,017	174,227
Vegetable and melon farming	7	252,695	510,073	1,029,197
Fruit farming	11	336,026	731,602	1,124,720
Tree nut farming	<1	3,857	8,795	13,269
Greenhouse, nursery, and floriculture production	7	241,085	371,771	760,937
Tobacco farming	<1	14,290	17,421	34,763
Cotton farming	<1	4,250	6,389	12,968
Sugarcane and sugar beet farming	2	82,787	118,561	247,535
All other crop farming	14	147,773	224,758	471,889
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	4	107,127	240,415	738,256
Dairy cattle and milk production	2	78,238	156,382	824,118
Poultry and egg production	<1	14,421	27,042	280,313
Animal production, except cattle and poultry and eggs	6	210,196	662,067	957,708
Forestry, forest products, and timber tract production	<1	54,298	58,929	72,275
Commercial logging	2	121,310	125,485	183,297
Commercial fishing	3	83,577	213,085	228,717
Commercial hunting and trapping	<1	24,568	53,656	60,355
Support activities for agriculture and forestry	27	986,410	976,047	1,205,513
Oil and gas extraction	10	78,026	28,190	3,790,349

Appendix

Coal mining	<1	64	278	732
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	2,107	4,053	6,992
Gold ore mining	<1	2,140	4,632	7,074
Silver ore mining	<1	2,636	6,245	9,443
Uranium-radium-vanadium ore mining	<1	21,880	62,377	120,574
Other metal ore mining	<1	8,627	20,276	40,071
Stone mining and quarrying	<1	55,369	251,618	407,762
Sand and gravel mining	<1	30,561	85,205	144,328
Other clay, ceramic, refractory minerals mining	<1	8,991	24,605	41,776
Potash, soda, and borate mineral mining	<1	5,582	11,857	19,847
Phosphate rock mining	<1	25,475	57,726	108,383
Other chemical and fertilizer mineral mining	<1	337	912	1,634
Other nonmetallic minerals	<1	25,448	67,708	117,646
Drilling oil and gas wells	<1	15	22	244
Support activities for oil and gas operations	<1	204	232	1,749
Metal mining services	<1	1,399	830	75,550
Other nonmetallic minerals services	<1	100	156	3,387
Electric power generation - Hydroelectric	<1	15,403	50,293	67,262
Electric power generation - Fossil fuel	6	1,233,491	5,752,750	10,703,000
Electric power generation - Nuclear	2	404,539	1,067,511	1,772,500
Electric power generation - Solar	<1	33,112	169,258	283,005
Electric power generation - Wind	<1	16,645	197,919	296,277
Electric power generation - Geothermal	<1	46,013	128,364	218,508
Electric power generation - Biomass	<1	9,562	60,057	124,317
Electric power generation - All other	<1	26,715	33,074	75,087
Electric power transmission and distribution	12	2,261,576	9,965,825	19,098,508
Natural gas distribution	2	205,785	812,979	1,504,927
Water, sewage and other systems	2	208,466	500,833	787,434
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	37	2,177,806	2,687,356	5,774,973
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	38	2,186,347	4,107,757	8,652,779
Maintenance and repair construction of residential structures	15	819,467	1,451,177	3,105,172
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1,561	2,877	6,164
Dog and cat food manufacturing	<1	13,944	36,875	153,171
Other animal food manufacturing	1	110,060	225,030	1,538,069
Flour milling	<1	25,509	44,026	293,748
Rice milling	<1	2,008	2,940	22,548
Malt manufacturing	<1	378	640	4,598
Wet corn milling	<1	10,495	27,217	271,418
Soybean and other oilseed processing	<1	2,976	13,869	253,520
Fats and oils refining and blending	<1	902	1,713	31,569
Breakfast cereal manufacturing	<1	3,396	7,613	37,482
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	51,609	123,516	618,414
Nonchocolate confectionery manufacturing	<1	22,507	32,665	220,573
Chocolate and confectionery manufacturing from cacao beans	<1	8,377	12,168	71,594
Confectionery manufacturing from purchased chocolate	<1	11,734	15,589	90,587
Frozen fruits, juices and vegetables manufacturing	2	146,166	269,496	997,336
Frozen specialties manufacturing	<1	41,964	55,506	261,071
Canned fruits and vegetables manufacturing	3	180,997	336,573	1,402,950

Appendix

Canned specialties	<1	2,152	4,748	31,287
Dehydrated food products manufacturing	<1	2,356	3,874	22,607
Cheese manufacturing	<1	4,225	5,652	49,755
Dry, condensed, and evaporated dairy product manufacturing	<1	2,000	4,409	46,157
Fluid milk manufacturing	2	83,403	125,691	999,302
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	23,268	31,534	198,263
Frozen cakes and other pastries manufacturing	8	220,810	318,699	616,450
Poultry processing	1	46,926	58,450	330,724
Animal, except poultry, slaughtering	<1	44,780	59,957	413,678
Meat processed from carcasses	2	118,279	128,323	993,446
Rendering and meat byproduct processing	<1	47,987	51,937	283,183
Seafood product preparation and packaging	2	94,697	118,158	726,849
Bread and bakery product, except frozen, manufacturing	15	515,316	721,390	1,958,986
Cookie and cracker manufacturing	2	105,289	151,358	569,742
Dry pasta, mixes, and dough manufacturing	<1	10,556	21,256	115,172
Tortilla manufacturing	<1	26,109	31,119	125,661
Roasted nuts and peanut butter manufacturing	<1	48,588	75,146	308,378
Other snack food manufacturing	1	81,919	143,724	655,924
Coffee and tea manufacturing	<1	20,703	36,136	241,665
Flavoring syrup and concentrate manufacturing	<1	41,184	265,019	647,822
Mayonnaise, dressing, and sauce manufacturing	<1	35,084	60,789	273,828
Spice and extract manufacturing	<1	62,630	100,041	566,689
All other food manufacturing	3	127,458	177,935	1,020,763
Bottled and canned soft drinks & water	4	290,554	441,690	2,221,696
Manufactured ice	<1	12,943	6,755	29,201
Breweries	2	156,660	292,444	862,541
Wineries	<1	44,095	63,142	222,112
Distilleries	<1	84,007	254,071	621,224
Tobacco product manufacturing	2	250,400	4,045,995	6,025,130
Fiber, yarn, and thread mills	<1	1,522	2,282	11,934
Broadwoven fabric mills	<1	1,314	1,956	8,508
Narrow fabric mills and schiffli machine embroidery	<1	9,955	10,763	36,109

Appendix

Nonwoven fabric mills	<1	12,112	17,233	77,221
Knit fabric mills	<1	1,174	1,352	4,896
Textile and fabric finishing mills	<1	20,118	23,527	115,520
Fabric coating mills	<1	1,866	2,158	15,178
Carpet and rug mills	<1	7,305	11,223	43,558
Curtain and linen mills	<1	21,989	26,427	105,979
Textile bag and canvas mills	1	48,819	54,843	170,045
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,639	4,740	14,647
Other textile product mills	<1	44,011	49,722	141,896
Hosiery and sock mills	<1	3,223	5,903	12,720
Other apparel knitting mills	<1	5,039	8,214	19,321
Cut and sew apparel contractors	2	60,589	65,900	138,516
Mens and boys cut and sew apparel manufacturing	1	29,757	36,994	98,002
Womens and girls cut and sew apparel manufacturing	<1	17,005	24,926	109,822
Other cut and sew apparel manufacturing	<1	9,947	14,534	48,171
Apparel accessories and other apparel manufacturing	<1	12,927	18,008	56,412
Leather and hide tanning and finishing	<1	2,150	3,193	14,504
Footwear manufacturing	<1	3,977	4,459	13,434
Other leather and allied product manufacturing	<1	8,519	9,120	27,854
Sawmills	1	73,112	94,278	393,184
Wood preservation	<1	7,691	14,449	74,133
Veneer and plywood manufacturing	<1	22,723	29,155	104,458
Engineered wood member and truss manufacturing	2	96,189	118,768	411,310
Reconstituted wood product manufacturing	<1	42,852	69,520	158,427
Wood windows and door manufacturing	1	80,406	96,843	288,684
Cut stock, resawing lumber, and planing	<1	3,670	5,038	18,286
Other millwork, including flooring	1	75,602	97,491	283,234
Wood container and pallet manufacturing	1	57,530	68,178	205,732
Manufactured home (mobile home) manufacturing	<1	156	185	619
Prefabricated wood building manufacturing	<1	3,145	3,607	12,407
All other miscellaneous wood product manufacturing	<1	49,954	61,418	190,983
Pulp mills	<1	8,835	14,490	57,207

Appendix

Paper mills	1	141,821	322,895	1,124,652
Paperboard mills	<1	86,026	222,862	779,592
Paperboard container manufacturing	4	297,370	491,389	1,916,179
Paper bag and coated and treated paper manufacturing	<1	62,867	122,059	429,958
Stationery product manufacturing	<1	21,534	34,305	129,189
Sanitary paper product manufacturing	2	139,733	447,701	1,405,237
All other converted paper product manufacturing	<1	18,540	29,095	96,550
Printing	23	1,259,600	1,966,957	4,082,843
Support activities for printing	2	101,270	148,007	235,459
Petroleum refineries	<1	9,642	88,558	416,937
Asphalt paving mixture and block manufacturing	<1	36,552	65,369	251,467
Asphalt shingle and coating materials manufacturing	<1	26,087	117,393	215,214
Petroleum lubricating oil and grease manufacturing	14	2,672,177	9,970,794	20,923,908
All other petroleum and coal products manufacturing	<1	2,552	12,036	19,376
Petrochemical manufacturing	<1	29,740	262,853	1,269,672
Industrial gas manufacturing	<1	95,138	202,313	562,413
Synthetic dye and pigment manufacturing	<1	3,666	7,703	25,257
Other basic inorganic chemical manufacturing	<1	65,544	156,376	503,078
Other basic organic chemical manufacturing	<1	71,715	148,985	1,175,339
Plastics material and resin manufacturing	<1	39,263	68,576	607,078
Synthetic rubber manufacturing	<1	96,023	146,698	653,071
Artificial and synthetic fibers and filaments manufacturing	<1	17,342	24,033	105,930
Nitrogenous fertilizer manufacturing	<1	26,007	68,480	313,965
Phosphatic fertilizer manufacturing	<1	121,482	262,229	865,057
Fertilizer mixing	<1	27,648	58,120	176,871
Pesticide and other agricultural chemical manufacturing	<1	13,034	40,325	241,105
Medicinal and botanical manufacturing	<1	50,854	89,866	331,665
Pharmaceutical preparation manufacturing	5	558,876	2,028,988	5,905,849
In-vitro diagnostic substance manufacturing	<1	31,407	46,850	127,593

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Biological product (except diagnostic) manufacturing	<1	17,856	39,691	73,487
Paint and coating manufacturing	1	93,837	193,055	826,910
Adhesive manufacturing	<1	61,013	105,987	381,363
Soap and other detergent manufacturing	1	86,333	311,363	1,290,515
Polish and other sanitation good manufacturing	<1	61,384	100,695	336,235
Surface active agent manufacturing	<1	16,817	62,882	158,513
Toilet preparation manufacturing	2	151,123	527,027	1,397,181
Printing ink manufacturing	<1	18,309	20,041	85,118
Explosives manufacturing	<1	41,566	47,463	120,606
Custom compounding of purchased resins	<1	28,083	61,329	230,853
Photographic film and chemical manufacturing	<1	21,414	51,895	217,720
Other miscellaneous chemical product manufacturing	<1	48,926	87,085	381,529
Plastics packaging materials and unlaminated film and sheet manufacturing	1	83,549	133,634	484,745
Unlaminated plastics profile shape manufacturing	1	99,611	208,502	568,111
Plastics pipe and pipe fitting manufacturing	<1	50,349	128,955	446,590
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10,116	18,163	66,438
Polystyrene foam product manufacturing	1	72,751	120,223	469,244
Urethane and other foam product (except polystyrene) manufacturing	<1	31,134	49,217	202,813
Plastics bottle manufacturing	2	118,660	185,222	726,871
Other plastics product manufacturing	6	359,356	516,600	1,734,068
Tire manufacturing	<1	30,212	45,593	241,684
Rubber and plastics hoses and belting manufacturing	<1	18,148	26,167	77,481
Other rubber product manufacturing	3	176,142	243,402	832,629
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,110	7,988	19,803
Brick, tile, and other structural clay product manufacturing	<1	10,736	21,074	40,516
Flat glass manufacturing	<1	26,313	64,303	170,866
Other pressed and blown glass and glassware manufacturing	<1	8,217	16,438	35,729
Glass container manufacturing	<1	29,005	52,563	126,501

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Glass product manufacturing made of purchased glass	2	89,319	175,587	441,001
Cement manufacturing	<1	33,604	97,528	239,217
Ready-mix concrete manufacturing	2	157,935	307,467	873,933
Concrete block and brick manufacturing	1	66,393	136,943	320,362
Concrete pipe manufacturing	<1	17,853	33,914	80,202
Other concrete product manufacturing	2	100,903	155,096	362,081
Lime manufacturing	<1	3,696	11,017	23,419
Gypsum product manufacturing	2	189,994	599,129	1,307,860
Abrasive product manufacturing	<1	1,656	5,348	7,551
Cut stone and stone product manufacturing	<1	36,048	45,668	100,987
Ground or treated mineral and earth manufacturing	<1	19,616	64,686	106,349
Mineral wool manufacturing	<1	18,897	52,456	88,194
Miscellaneous nonmetallic mineral products manufacturing	<1	23,064	76,118	145,831
Iron and steel mills and ferroalloy manufacturing	<1	67,891	378,859	1,033,554
Iron, steel pipe and tube manufacturing from purchased steel	<1	25,012	128,491	257,744
Rolled steel shape manufacturing	<1	4,133	33,046	95,254
Steel wire drawing	<1	12,673	53,644	119,140
Alumina refining and primary aluminum production	<1	10,969	42,164	190,295
Secondary smelting and alloying of aluminum	<1	2,290	10,813	61,520
Aluminum sheet, plate, and foil manufacturing	<1	4,953	33,493	91,019
Other aluminum rolling, drawing and extruding	<1	27,765	93,947	274,448
Nonferrous metal (exc aluminum) smelting and refining	<1	1,492	32,276	46,006
Copper rolling, drawing, extruding and alloying	<1	8,260	35,145	154,481
Nonferrous metal, except copper and aluminum, shaping	<1	13,571	30,834	91,038
Secondary processing of other nonferrous metals	<1	10,445	60,693	161,122
Ferrous metal foundries	<1	33,972	143,907	243,940
Nonferrous metal foundries	<1	25,132	86,616	158,773
Custom roll forming	<1	3,880	6,485	34,839
Crown and closure manufacturing and metal stamping	2	107,369	136,604	392,325
Iron and steel forging	<1	22,763	37,150	143,610

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Nonferrous forging	<1	9,348	13,402	44,254
Cutlery, utensil, pot, and pan manufacturing	<1	10,676	28,624	75,931
Handtool manufacturing	<1	42,221	69,021	134,513
Prefabricated metal buildings and components manufacturing	<1	52,248	68,263	247,630
Fabricated structural metal manufacturing	4	269,318	390,429	1,291,480
Plate work manufacturing	<1	54,231	60,409	184,508
Metal window and door manufacturing	3	203,451	275,491	769,783
Sheet metal work manufacturing	2	138,788	184,110	521,364
Ornamental and architectural metal work manufacturing	2	115,104	148,435	434,086
Power boiler and heat exchanger manufacturing	<1	1,400	1,996	6,851
Metal tank (heavy gauge) manufacturing	<1	34,223	43,306	126,899
Metal cans manufacturing	<1	56,854	127,829	538,441
Metal barrels, drums and pails manufacturing	<1	24,687	31,219	129,629
Hardware manufacturing	<1	31,247	48,719	151,742
Spring and wire product manufacturing	1	73,371	96,752	311,580
Machine shops	4	265,074	326,666	702,442
Turned product and screw, nut, and bolt manufacturing	<1	47,317	69,290	208,429
Metal heat treating	<1	26,822	38,698	93,614
Metal coating and nonprecious engraving	2	90,368	157,715	410,248
Electroplating, anodizing, and coloring metal	1	76,140	87,301	207,698
Valve and fittings, other than plumbing, manufacturing	3	184,737	301,233	844,772
Plumbing fixture fitting and trim manufacturing	<1	14,635	40,893	147,287
Ball and roller bearing manufacturing	<1	10,402	18,442	44,428
Small arms ammunition manufacturing	<1	46,178	97,967	204,569
Ammunition, except for small arms, manufacturing	<1	331	419	1,124
Small arms, ordnance, and accessories manufacturing	<1	47,112	89,178	216,999
Fabricated pipe and pipe fitting manufacturing	<1	10,980	13,581	39,824
Other fabricated metal manufacturing	2	143,016	190,204	527,377
Farm machinery and equipment manufacturing	<1	2,571	4,002	20,102

Appendix

Lawn and garden equipment manufacturing	<1	5,326	8,586	48,158
Construction machinery manufacturing	<1	26,133	53,114	183,666
Mining machinery and equipment manufacturing	<1	1,024	1,401	4,055
Oil and gas field machinery and equipment manufacturing	<1	101	146	600
Semiconductor machinery manufacturing	<1	2,297	2,591	9,914
Food product machinery manufacturing	<1	700	788	2,370
Sawmill, woodworking, and paper machinery	<1	1,261	1,411	4,543
Printing machinery and equipment manufacturing	<1	2,610	2,843	8,532
All other industrial machinery manufacturing	<1	3,881	4,651	14,180
Optical instrument and lens manufacturing	<1	5,145	6,415	18,923
Photographic and photocopying equipment manufacturing	<1	1,136	1,386	4,777
Other commercial service industry machinery manufacturing	1	123,857	178,241	489,026
Air purification and ventilation equipment manufacturing	<1	18,342	23,538	73,310
Heating equipment (except warm air furnaces) manufacturing	<1	13,143	18,250	58,831
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	82,577	130,829	473,099
Industrial mold manufacturing	<1	9,932	11,173	26,054
Special tool, die, jig, and fixture manufacturing	<1	2,054	2,501	5,364
Cutting tool and machine tool accessory manufacturing	<1	8,473	9,335	24,775
Machine tool manufacturing	<1	4,061	4,882	17,735
Rolling mill and other metalworking machinery manufacturing	<1	706	810	2,211
Turbine and turbine generator set units manufacturing	<1	3,648	4,541	20,932
Speed changer, industrial high-speed drive, and gear manufacturing	<1	52,219	72,038	239,711
Mechanical power transmission equipment manufacturing	<1	15,057	20,929	46,728
Other engine equipment manufacturing	<1	36,901	69,453	406,056

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Pump and pumping equipment manufacturing	<1	10,202	15,531	53,636
Air and gas compressor manufacturing	<1	631	1,036	4,320
Elevator and moving stairway manufacturing	<1	1,269	1,673	7,615
Conveyor and conveying equipment manufacturing	<1	954	1,060	3,586
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,505	4,105	16,090
Industrial truck, trailer, and stacker manufacturing	<1	5,721	8,197	27,775
Power-driven handtool manufacturing	<1	587	1,199	4,704
Welding and soldering equipment manufacturing	<1	14,843	20,125	81,312
Packaging machinery manufacturing	<1	7,619	9,761	27,579
Industrial process furnace and oven manufacturing	<1	336	377	1,120
Fluid power cylinder and actuator manufacturing	<1	3,679	4,742	14,839
Fluid power pump and motor manufacturing	<1	30,981	43,436	174,280
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	8,216	9,630	30,528
Electronic computer manufacturing	<1	6,203	14,316	60,727
Computer storage device manufacturing	<1	640	1,689	7,203
Computer terminals and other computer peripheral equipment manufacturing	8	1,179,764	2,114,644	4,798,602
Telephone apparatus manufacturing	<1	8,089	13,255	49,115
Broadcast and wireless communications equipment manufacturing	<1	16,909	26,693	63,225
Other communications equipment manufacturing	<1	56,959	94,582	229,130
Audio and video equipment manufacturing	<1	11,532	20,592	88,643
Printed circuit assembly (electronic assembly) manufacturing	<1	50,903	95,468	388,405
Bare printed circuit board manufacturing	1	140,568	185,210	352,588
Semiconductor and related device manufacturing	3	349,183	606,050	1,669,621

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	33,366	49,190	138,747
Electronic connector manufacturing	2	148,402	231,178	594,964
Other electronic component manufacturing	<1	67,636	93,285	247,358
Electromedical and electrotherapeutic apparatus manufacturing	<1	7,018	13,855	34,736
Search, detection, and navigation instruments manufacturing	<1	10,113	17,878	37,527
Automatic environmental control manufacturing	<1	43,918	60,064	145,645
Industrial process variable instruments manufacturing	<1	11,772	19,013	42,861
Totalizing fluid meter and counting device manufacturing	<1	5,503	12,354	33,244
Electricity and signal testing instruments manufacturing	<1	2,938	4,784	13,460
Analytical laboratory instrument manufacturing	<1	76,010	135,514	325,997
Irradiation apparatus manufacturing	<1	479	977	2,103
Watch, clock, and other measuring and controlling device manufacturing	<1	9,494	17,923	42,799
Blank magnetic and optical recording media manufacturing	<1	509	1,710	9,308
Software and other prerecorded and record reproducing	<1	61,234	90,099	139,254
Electric lamp bulb and part manufacturing	<1	9,001	18,501	57,206
Lighting fixture manufacturing	1	87,469	125,209	381,085
Small electrical appliance manufacturing	<1	3,714	8,414	30,683
Household cooking appliance manufacturing	<1	1,096	2,525	6,701
Household refrigerator and home freezer manufacturing	<1	1,149	2,755	7,044
Household laundry equipment manufacturing	<1	2,646	4,801	16,057
Other major household appliance manufacturing	<1	446	1,151	2,742
Power, distribution, and specialty transformer manufacturing	<1	11,140	16,689	48,383
Motor and generator manufacturing	<1	14,901	25,087	96,536
Switchgear and switchboard apparatus manufacturing	1	105,648	179,976	513,565

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Relay and industrial control manufacturing	<1	44,164	61,730	186,366
Storage battery manufacturing	1	91,860	125,763	344,128
Primary battery manufacturing	<1	33,009	68,525	113,522
Fiber optic cable manufacturing	<1	32,191	41,039	268,846
Other communication and energy wire manufacturing	<1	44,484	67,316	271,717
Wiring device manufacturing	<1	51,473	97,176	295,085
Carbon and graphite product manufacturing	<1	7,119	12,054	30,945
All other miscellaneous electrical equipment and component manufacturing	<1	41,086	47,977	161,531
Automobile manufacturing	<1	860	1,217	17,590
Light truck and utility vehicle manufacturing	<1	263	255	6,752
Heavy duty truck manufacturing	<1	5,502	6,806	65,383
Motor vehicle body manufacturing	<1	2,676	2,848	12,152
Truck trailer manufacturing	<1	120	113	667
Motor home manufacturing	<1	34,970	37,415	200,429
Travel trailer and camper manufacturing	1	73,262	76,544	352,581
Motor vehicle gasoline engine and engine parts manufacturing	<1	25,128	26,724	198,061
Motor vehicle electrical and electronic equipment manufacturing	<1	30,024	35,120	174,794
Motor vehicle transmission and power train parts manufacturing	<1	38,379	44,296	321,839
Motor vehicle seating and interior trim manufacturing	<1	5,300	5,450	27,804
Motor vehicle metal stamping	<1	11,498	11,889	61,266
Other motor vehicle parts manufacturing	1	94,998	89,212	624,522
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	46,433	52,711	275,203
Aircraft manufacturing	<1	1,712	2,678	13,479
Aircraft engine and engine parts manufacturing	2	378,987	506,492	1,529,604
Other aircraft parts and auxiliary equipment manufacturing	<1	38,670	44,391	121,561
Guided missile and space vehicle manufacturing	<1	53,807	65,627	191,211
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	21,320	24,692	57,862

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Railroad rolling stock manufacturing	<1	346	379	1,433
Ship building and repairing	<1	22,810	25,694	73,249
Boat building	4	218,563	266,604	1,044,978
Motorcycle, bicycle, and parts manufacturing	<1	7,364	15,801	72,069
Military armored vehicle, tank, and tank component manufacturing	<1	44,879	65,940	227,374
All other transportation equipment manufacturing	<1	55,682	87,336	406,201
Wood kitchen cabinet and countertop manufacturing	3	146,310	154,694	395,237
Upholstered household furniture manufacturing	1	56,857	63,267	216,259
Nonupholstered wood household furniture manufacturing	<1	38,128	39,937	111,135
Other household nonupholstered furniture manufacturing	<1	39,599	50,603	220,133
Institutional furniture manufacturing	<1	1,945	2,041	5,808
Wood office furniture manufacturing	<1	1,082	1,213	3,381
Custom architectural woodwork and millwork	<1	4,249	3,932	11,385
Office furniture, except wood, manufacturing	<1	1,497	1,762	6,188
Showcase, partition, shelving, and locker manufacturing	<1	12,790	14,006	47,196
Mattress manufacturing	<1	37,011	46,110	215,384
Blind and shade manufacturing	<1	15,606	16,414	70,947
Surgical and medical instrument manufacturing	1	98,701	151,450	342,842
Surgical appliance and supplies manufacturing	2	168,460	280,337	710,475
Dental equipment and supplies manufacturing	<1	10,076	14,102	32,489
Ophthalmic goods manufacturing	2	183,200	298,505	533,213
Dental laboratories	2	138,438	142,229	233,668
Jewelry and silverware manufacturing	1	62,752	101,560	274,173
Sporting and athletic goods manufacturing	<1	41,761	53,163	163,478
Doll, toy, and game manufacturing	<1	11,816	16,971	51,394
Office supplies (except paper) manufacturing	<1	52,561	68,668	193,052
Sign manufacturing	<1	52,208	46,177	115,256
Gasket, packing, and sealing device manufacturing	<1	6,723	7,761	18,304

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Musical instrument manufacturing	<1	2,643	2,870	6,693
Fasteners, buttons, needles, and pins manufacturing	<1	20,818	25,888	65,214
Broom, brush, and mop manufacturing	<1	22,626	34,949	79,931
Burial casket manufacturing	<1	1,163	1,370	2,105
All other miscellaneous manufacturing	2	152,203	192,279	492,046
Wholesale - Motor vehicle and motor vehicle parts and supplies	7	544,099	1,271,795	2,747,662
Wholesale - Professional and commercial equipment and supplies	26	3,167,131	5,095,202	8,387,167
Wholesale - Household appliances and electrical and electronic goods	13	1,277,052	3,033,217	6,143,701
Wholesale - Machinery, equipment, and supplies	15	1,287,069	2,500,346	4,211,249
Wholesale - Other durable goods merchant wholesalers	30	2,463,142	4,353,906	7,970,276
Wholesale - Drugs and druggists' sundries	11	1,544,929	4,337,049	8,029,539
Wholesale - Grocery and related product wholesalers	25	1,949,915	2,645,156	4,968,883
Wholesale - Petroleum and petroleum products	2	218,299	4,648,873	5,047,964
Wholesale - Other nondurable goods merchant wholesalers	39	3,482,557	8,122,816	13,406,439
Wholesale - Wholesale electronic markets and agents and brokers	16	1,656,263	1,729,979	2,035,195
Retail - Motor vehicle and parts dealers	32	2,020,100	3,161,671	4,520,151
Retail - Furniture and home furnishings stores	24	1,115,142	1,484,477	2,329,114
Retail - Electronics and appliance stores	22	1,204,090	1,306,606	2,121,420
Retail - Building material and garden equipment and supplies stores	31	1,331,490	2,499,176	3,680,594
Retail - Food and beverage stores	110	3,385,502	4,712,739	7,863,402
Retail - Health and personal care stores	48	2,127,357	2,702,975	4,155,138
Retail - Gasoline stores	21	665,014	1,152,640	2,165,276
Retail - Clothing and clothing accessories stores	54	1,580,340	2,546,145	5,065,774
Retail - Sporting goods, hobby, musical instrument and book stores	29	848,957	1,182,546	1,859,632
Retail - General merchandise stores	99	2,997,369	4,529,497	7,429,793

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Retail - Miscellaneous store retailers	57	1,580,038	1,951,483	3,079,127
Retail - Nonstore retailers	62	2,003,590	7,128,070	12,147,327
Air transportation	23	2,371,551	5,676,102	9,590,005
Rail transportation	5	736,955	856,939	1,910,037
Water transportation	4	514,608	972,199	3,163,850
Truck transportation	70	3,294,507	4,447,973	9,846,562
Transit and ground passenger transportation	139	1,237,772	1,440,767	3,061,717
Pipeline transportation	<1	85,729	263,396	336,593
Scenic and sightseeing transportation and support activities for transportation	60	3,885,844	4,231,915	8,762,621
Couriers and messengers	52	1,537,638	2,285,355	4,147,477
Warehousing and storage	61	2,023,682	2,328,501	5,019,972
Newspaper publishers	5	351,442	585,046	717,588
Periodical publishers	4	419,904	655,204	957,847
Book publishers	2	181,838	531,433	854,914
Directory, mailing list, and other publishers	1	78,461	215,338	307,444
Greeting card publishing	<1	1,512	4,279	7,219
Software publishers	17	2,290,047	5,080,789	5,670,835
Motion picture and video industries	14	967,279	1,568,932	3,560,323
Sound recording industries	2	143,719	811,073	1,324,231
Radio and television broadcasting	12	5,117,032	5,538,061	7,955,279
Cable and other subscription programming	3	1,596,465	4,180,522	6,340,326
Wired telecommunications carriers	27	2,638,874	6,678,581	12,524,381
Wireless telecommunications carriers (except satellite)	6	589,363	4,931,749	11,122,654
Satellite, telecommunications resellers, and all other telecommunications	35	3,824,464	6,037,652	15,202,205
Data processing, hosting, and related services	26	3,317,521	6,635,632	14,422,406
News syndicates, libraries, archives and all other information services	3	259,443	439,477	816,789
Internet publishing and broadcasting and web search portals	7	1,411,366	3,061,738	8,482,076
Nondepository credit intermediation and related activities	38	4,100,661	4,722,746	8,028,473
Securities and commodity contracts intermediation and brokerage	100	7,926,596	7,299,268	13,829,763

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Monetary authorities and depository credit intermediation	85	8,489,745	13,537,055	28,859,842
Other financial investment activities	60	4,133,541	5,251,344	13,189,452
Direct life insurance carriers	13	1,306,009	2,509,570	3,649,964
Insurance carriers, except direct life	61	5,279,423	16,814,086	36,078,141
Insurance agencies, brokerages, and related activities	75	5,794,350	9,262,183	21,756,017
Funds, trusts, and other financial vehicles	25	807,003	1,211,612	7,417,819
Other real estate	553	12,397,408	37,229,726	102,845,368
Tenant-occupied housing	35	781,600	15,860,323	17,401,789
Owner-occupied dwellings	0	0	46,816,586	59,431,595
Automotive equipment rental and leasing	14	957,320	2,891,531	3,914,712
General and consumer goods rental except video tapes and discs	13	729,511	1,042,052	1,751,528
Video tape and disc rental	4	165,740	286,203	453,555
Commercial and industrial machinery and equipment rental and leasing	13	1,125,250	3,177,379	4,378,311
Lessors of nonfinancial intangible assets	2	357,600	5,156,434	5,674,748
Legal services	178	16,200,265	23,050,673	33,148,167
Accounting, tax preparation, bookkeeping, and payroll services	85	6,581,483	9,187,099	13,004,029
Architectural, engineering, and related services	141	10,776,963	12,155,575	21,736,768
Specialized design services	11	692,552	1,192,556	1,809,015
Custom computer programming services	44	4,160,921	4,382,388	6,151,058
Computer systems design services	32	3,022,845	2,869,182	3,700,819
Other computer related services, including facilities management	24	2,352,905	3,594,223	6,290,651
Management consulting services	245	20,986,718	21,988,455	35,319,073
Environmental and other technical consulting services	31	2,386,405	2,540,010	3,907,680
Scientific research and development services	1,884	168,407,819	221,277,889	426,163,947
Advertising, public relations, and related services	53	3,758,955	5,423,275	9,483,340
Photographic services	4	134,635	376,694	693,182
Veterinary services	11	519,423	673,165	1,024,250
Marketing research and all other miscellaneous professional, scientific, and technical services	148	12,136,927	24,213,679	40,682,675

Appendix

Management of companies and enterprises	191	22,422,089	26,213,413	43,764,204
Office administrative services	87	5,541,882	2,545,453	6,013,164
Facilities support services	162	11,380,299	16,549,072	29,956,091
Employment services	375	16,150,828	23,759,498	34,651,271
Business support services	71	3,250,952	2,751,590	4,891,582
Travel arrangement and reservation services	20	981,519	1,262,866	3,063,206
Investigation and security services	67	2,555,765	2,491,949	3,685,487
Services to buildings	119	3,807,230	5,181,301	9,543,895
Landscape and horticultural services	55	2,000,958	2,408,956	4,439,548
Other support services	18	827,556	1,053,434	2,051,253
Waste management and remediation services	17	1,187,693	1,973,945	3,734,595
Elementary and secondary schools	44	1,905,747	1,748,402	2,051,073
Junior colleges, colleges, universities, and professional schools	38	1,915,663	2,836,009	3,605,972
Other educational services	30	1,352,652	1,563,816	2,792,194
Offices of physicians	145	12,900,914	13,744,854	20,402,768
Offices of dentists	40	2,473,021	3,349,197	4,731,678
Offices of other health practitioners	37	1,938,957	3,153,086	4,162,452
Outpatient care centers	47	2,651,473	2,502,675	4,701,934
Medical and diagnostic laboratories	15	1,063,786	1,717,272	2,460,348
Home health care services	68	3,001,864	2,918,765	3,783,933
Other ambulatory health care services	13	761,597	883,282	1,420,997
Hospitals	231	18,086,912	21,174,036	41,696,474
Nursing and community care facilities	79	3,226,553	3,604,705	6,327,102
Residential mental retardation, mental health, substance abuse and other facilities	23	1,007,884	1,086,947	1,668,326
Individual and family services	57	1,926,951	1,632,218	2,349,653
Child day care services	43	1,219,170	1,692,400	2,324,889
Community food, housing, and other relief services, including rehabilitation services	16	540,787	532,546	1,209,707
Performing arts companies	15	497,167	888,541	1,283,956
Commercial Sports Except Racing	49	1,851,750	1,063,974	1,996,241
Racing and Track Operation	2	75,193	232,430	302,852
Independent artists, writers, and performers	14	530,754	2,640,562	3,166,754

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Promoters of performing arts and sports and agents for public figures	18	515,278	1,382,138	2,184,885
Museums, historical sites, zoos, and parks	2	84,940	120,930	203,756
Amusement parks and arcades	7	290,654	426,815	586,401
Gambling industries (except casino hotels)	21	859,187	1,886,696	2,944,750
Other amusement and recreation industries	22	755,466	732,858	1,306,229
Fitness and recreational sports centers	19	441,267	513,273	945,163
Bowling centers	2	60,255	92,862	152,906
Hotels and motels, including casino hotels	151	6,216,285	12,927,897	18,811,078
Other accommodations	20	837,233	1,272,105	1,667,324
Full-service restaurants	269	7,538,377	11,340,671	18,644,481
Limited-service restaurants	184	4,014,534	6,793,052	14,337,507
All other food and drinking places	115	3,505,854	5,735,770	8,260,009
Automotive repair and maintenance, except car washes	74	3,754,096	4,441,947	6,676,949
Car washes	36	1,890,574	2,906,282	4,387,252
Electronic and precision equipment repair and maintenance	17	1,101,660	1,368,627	2,261,582
Commercial and industrial machinery and equipment repair and maintenance	109	7,570,414	7,220,760	11,322,685
Personal and household goods repair and maintenance	15	691,395	1,331,739	1,914,320
Personal care services	66	1,843,575	1,568,632	2,165,365
Death care services	16	511,184	269,380	434,510
Dry-cleaning and laundry services	37	1,111,540	549,059	837,100
Other personal services	43	1,275,872	1,566,458	2,346,758
Religious organizations	24	1,239,618	471,923	1,895,375
Grantmaking, giving, and social advocacy organizations	6	357,185	1,029,085	1,608,864
Business and professional associations	9	747,191	1,209,284	2,076,131
Labor and civic organizations	16	670,891	1,711,237	2,765,039
Private households	38	862,038	862,038	862,038
Postal service	22	2,053,622	2,054,186	2,181,363
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	82,837	72,218	422,385
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	2	311,805	414,961	571,511
Local government passenger transit	7	952,692	458,433	860,280
Local government electric utilities	4	475,107	1,559,237	2,731,489
Other local government enterprises	23	1,679,790	4,085,913	7,796,858
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	611	101,309,859	129,765,696	294,380,885

Investments in Climate Change Research and Technology

Table 654: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Florida

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,565</i>	<i>145,373,270</i>	<i>227,337,420</i>	<i>431,643,787</i>
Oilseed farming	<1	585	1,625	2,345
Grain farming	<1	7,634	11,215	49,159
Vegetable and melon farming	1	54,729	109,138	222,826
Fruit farming	2	61,212	134,801	207,657
Tree nut farming	<1	483	1,111	1,696
Greenhouse, nursery, and floriculture production	2	57,051	88,011	186,242
Tobacco farming	<1	1,336	1,616	2,958
Cotton farming	<1	2,795	4,090	8,458
Sugarcane and sugar beet farming	<1	19,649	29,060	64,243
All other crop farming	5	47,609	69,957	153,048
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	34,965	95,475	310,514

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Dairy cattle and milk production	<1	15,376	34,473	196,115
Poultry and egg production	<1	4,978	8,222	102,755
Animal production, except cattle and poultry and eggs	2	103,797	245,451	337,718
Forestry, forest products, and timber tract production	<1	8,909	9,736	12,535
Commercial logging	<1	28,012	28,827	45,409
Commercial fishing	<1	16,967	72,092	75,121
Commercial hunting and trapping	<1	3,529	14,840	16,215
Support activities for agriculture and forestry	8	297,056	297,193	366,218
Oil and gas extraction	2	14,609	4,095	587,281
Coal mining	<1	29	170	435
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	332	638	1,134
Gold ore mining	<1	797	1,711	2,561
Silver ore mining	<1	1,527	3,537	5,587
Uranium-radium-vanadium ore mining	<1	21,725	57,925	111,615
Other metal ore mining	<1	3,087	7,678	15,284
Stone mining and quarrying	<1	11,156	71,351	108,470
Sand and gravel mining	<1	7,014	23,089	39,703
Other clay, ceramic, refractory minerals mining	<1	2,081	6,528	10,223
Potash, soda, and borate mineral mining	<1	1,152	2,661	4,366
Phosphate rock mining	<1	9,667	22,154	41,373
Other chemical and fertilizer mineral mining	<1	39	155	285
Other nonmetallic minerals	<1	3,875	11,954	21,072
Drilling oil and gas wells	<1	7	10	106
Support activities for oil and gas operations	<1	69	74	536
Metal mining services	<1	766	419	34,556
Other nonmetallic minerals services	<1	48	57	1,204
Electric power generation - Hydroelectric	<1	3,087	9,580	12,946
Electric power generation - Fossil fuel	1	169,341	868,701	1,812,208
Electric power generation - Nuclear	<1	75,630	201,519	363,125
Electric power generation - Solar	<1	6,111	31,039	53,668
Electric power generation - Wind	<1	5,014	58,103	93,536
Electric power generation - Geothermal	<1	5,557	16,658	28,238

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Electric power generation - Biomass	<1	1,808	10,303	24,141
Electric power generation - All other	<1	3,010	3,751	10,529
Electric power transmission and distribution	3	397,777	1,823,221	3,740,478
Natural gas distribution	<1	51,406	195,646	389,501
Water, sewage and other systems	<1	70,940	176,615	300,150
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3	195,369	252,323	521,522
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	585,440	1,097,998	2,404,627
Maintenance and repair construction of residential structures	3	170,486	300,558	667,985
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	346	645	1,405
Dog and cat food manufacturing	<1	3,491	8,663	38,350
Other animal food manufacturing	<1	31,576	60,483	448,296
Flour milling	<1	8,266	14,480	95,872
Rice milling	<1	368	579	4,233
Malt manufacturing	<1	149	247	1,817
Wet corn milling	<1	2,313	5,556	57,771
Soybean and other oilseed processing	<1	421	1,982	37,481
Fats and oils refining and blending	<1	53	97	1,934
Breakfast cereal manufacturing	<1	777	1,686	9,057
Beet sugar manufacturing	0	0	0	0

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Sugar cane mills and refining	<1	9,120	21,619	113,629
Nonchocolate confectionery manufacturing	<1	3,875	5,683	41,444
Chocolate and confectionery manufacturing from cacao beans	<1	1,043	1,498	9,217
Confectionery manufacturing from purchased chocolate	<1	2,824	3,737	23,277
Frozen fruits, juices and vegetables manufacturing	<1	28,597	50,619	218,244
Frozen specialties manufacturing	<1	9,241	12,371	60,109
Canned fruits and vegetables manufacturing	<1	28,985	53,803	231,205
Canned specialties	<1	569	1,343	8,854
Dehydrated food products manufacturing	<1	368	614	3,653
Cheese manufacturing	<1	744	998	8,721
Dry, condensed, and evaporated dairy product manufacturing	<1	428	933	11,270
Fluid milk manufacturing	<1	19,629	28,987	240,999
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	6,312	8,298	58,633
Frozen cakes and other pastries manufacturing	2	53,343	77,451	153,965
Poultry processing	<1	16,781	19,792	117,956
Animal, except poultry, slaughtering	<1	15,987	21,121	148,861
Meat processed from carcasses	<1	25,260	26,956	215,894
Rendering and meat byproduct processing	<1	8,009	8,525	49,140
Seafood product preparation and packaging	<1	35,420	42,555	293,111
Bread and bakery product, except frozen, manufacturing	4	127,505	178,988	495,209
Cookie and cracker manufacturing	<1	19,183	25,925	112,622
Dry pasta, mixes, and dough manufacturing	<1	2,191	4,459	22,919
Tortilla manufacturing	<1	6,192	7,518	31,826
Roasted nuts and peanut butter manufacturing	<1	9,119	13,346	60,347
Other snack food manufacturing	<1	18,520	33,215	152,801
Coffee and tea manufacturing	<1	5,744	9,708	66,629
Flavoring syrup and concentrate manufacturing	<1	7,683	53,221	126,835
Mayonnaise, dressing, and sauce manufacturing	<1	7,688	13,862	65,254
Spice and extract manufacturing	<1	11,245	17,356	107,577
All other food manufacturing	<1	21,386	29,998	182,429

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Bottled and canned soft drinks & water	<1	70,521	104,628	548,462
Manufactured ice	<1	2,865	1,388	7,035
Breweries	<1	43,380	76,622	233,235
Wineries	<1	5,884	8,400	31,673
Distilleries	<1	20,284	55,738	147,574
Tobacco product manufacturing	<1	48,924	584,907	988,482
Fiber, yarn, and thread mills	<1	402	502	3,225
Broadwoven fabric mills	<1	411	514	2,542
Narrow fabric mills and schiffli machine embroidery	<1	1,563	1,649	5,863
Nonwoven fabric mills	<1	1,977	2,685	13,517
Knit fabric mills	<1	121	137	511
Textile and fabric finishing mills	<1	2,090	2,443	12,658
Fabric coating mills	<1	244	296	2,278
Carpet and rug mills	<1	1,470	1,829	9,262
Curtain and linen mills	<1	4,248	4,915	21,655
Textile bag and canvas mills	<1	10,794	11,791	39,088
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,848	2,211	7,494
Other textile product mills	<1	8,908	9,849	30,640
Hosiery and sock mills	<1	721	1,246	3,263
Other apparel knitting mills	<1	779	1,326	3,352
Cut and sew apparel contractors	<1	9,779	10,699	23,787
Mens and boys cut and sew apparel manufacturing	<1	3,469	4,266	13,096
Womens and girls cut and sew apparel manufacturing	<1	1,883	2,757	13,085
Other cut and sew apparel manufacturing	<1	1,892	2,787	10,100
Apparel accessories and other apparel manufacturing	<1	1,853	2,555	9,370
Leather and hide tanning and finishing	<1	543	728	3,627
Footwear manufacturing	<1	1,130	1,213	4,352
Other leather and allied product manufacturing	<1	1,329	1,414	4,640
Sawmills	<1	20,415	25,890	107,472
Wood preservation	<1	2,391	4,422	21,738
Veneer and plywood manufacturing	<1	6,867	8,838	30,661
Engineered wood member and truss manufacturing	<1	17,332	21,274	74,466
Reconstituted wood product manufacturing	<1	11,406	18,691	41,060
Wood windows and door manufacturing	<1	28,149	33,669	102,724

Appendix

Cut stock, resawing lumber, and planing	<1	961	1,319	4,844
Other millwork, including flooring	<1	20,782	26,630	81,951
Wood container and pallet manufacturing	<1	12,781	15,052	46,879
Manufactured home (mobile home) manufacturing	<1	63	72	218
Prefabricated wood building manufacturing	<1	771	913	3,004
All other miscellaneous wood product manufacturing	<1	6,614	8,062	27,339
Pulp mills	<1	6,270	11,012	41,529
Paper mills	<1	47,887	130,890	398,185
Paperboard mills	<1	37,987	104,813	339,127
Paperboard container manufacturing	<1	52,404	87,953	348,773
Paper bag and coated and treated paper manufacturing	<1	14,261	29,850	107,309
Stationery product manufacturing	<1	5,301	8,818	35,025
Sanitary paper product manufacturing	<1	39,908	138,596	400,373
All other converted paper product manufacturing	<1	4,853	7,784	24,314
Printing	5	241,249	357,725	827,211
Support activities for printing	<1	13,347	19,276	31,851
Petroleum refineries	<1	2,304	20,403	97,437
Asphalt paving mixture and block manufacturing	<1	9,334	16,450	67,070
Asphalt shingle and coating materials manufacturing	<1	7,547	32,597	60,765
Petroleum lubricating oil and grease manufacturing	<1	14,711	64,648	154,630
All other petroleum and coal products manufacturing	<1	1,239	6,716	10,931
Petrochemical manufacturing	<1	3,283	29,068	163,130
Industrial gas manufacturing	<1	12,069	25,476	70,043
Synthetic dye and pigment manufacturing	<1	640	1,262	3,793
Other basic inorganic chemical manufacturing	<1	11,939	25,071	84,478
Other basic organic chemical manufacturing	<1	25,700	52,319	366,130
Plastics material and resin manufacturing	<1	11,713	19,446	154,764
Synthetic rubber manufacturing	<1	24,815	36,909	150,836
Artificial and synthetic fibers and filaments manufacturing	<1	2,438	3,573	15,264

Appendix

Nitrogenous fertilizer manufacturing	<1	4,555	11,306	57,574
Phosphatic fertilizer manufacturing	<1	33,469	68,122	229,697
Fertilizer mixing	<1	6,731	13,100	41,512
Pesticide and other agricultural chemical manufacturing	<1	5,413	16,348	93,688
Medicinal and botanical manufacturing	<1	6,622	11,073	45,726
Pharmaceutical preparation manufacturing	<1	76,741	259,284	824,953
In-vitro diagnostic substance manufacturing	<1	2,639	3,870	10,622
Biological product (except diagnostic) manufacturing	<1	1,802	3,729	7,575
Paint and coating manufacturing	<1	17,301	33,168	143,673
Adhesive manufacturing	<1	6,737	10,866	43,820
Soap and other detergent manufacturing	<1	15,227	48,496	261,889
Polish and other sanitation good manufacturing	<1	10,872	16,811	62,923
Surface active agent manufacturing	<1	4,341	14,109	40,413
Toilet preparation manufacturing	<1	23,969	77,024	216,836
Printing ink manufacturing	<1	2,523	2,732	11,618
Explosives manufacturing	<1	5,238	5,870	16,494
Custom compounding of purchased resins	<1	865	1,519	6,737
Photographic film and chemical manufacturing	<1	5,448	12,646	55,552
Other miscellaneous chemical product manufacturing	<1	13,326	22,214	94,274
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	15,133	24,622	91,894
Unlaminated plastics profile shape manufacturing	<1	17,154	36,497	103,913
Plastics pipe and pipe fitting manufacturing	<1	8,873	23,268	77,054
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,831	3,382	12,063
Polystyrene foam product manufacturing	<1	19,069	32,020	124,814
Urethane and other foam product (except polystyrene) manufacturing	<1	7,462	11,949	50,328
Plastics bottle manufacturing	<1	13,935	21,996	92,457
Other plastics product manufacturing	1	75,314	107,855	384,756

Appendix

Tire manufacturing	<1	9,182	13,761	72,661
Rubber and plastics hoses and belting manufacturing	<1	4,845	7,115	20,978
Other rubber product manufacturing	<1	42,421	59,303	193,451
Pottery, ceramics, and plumbing fixture manufacturing	<1	928	1,523	3,580
Brick, tile, and other structural clay product manufacturing	<1	2,483	5,114	9,250
Flat glass manufacturing	<1	6,066	16,006	40,983
Other pressed and blown glass and glassware manufacturing	<1	2,025	4,291	9,141
Glass container manufacturing	<1	6,488	12,236	28,178
Glass product manufacturing made of purchased glass	<1	24,150	49,517	120,605
Cement manufacturing	<1	7,702	23,969	56,586
Ready-mix concrete manufacturing	<1	40,037	80,916	226,170
Concrete block and brick manufacturing	<1	11,093	24,746	54,785
Concrete pipe manufacturing	<1	3,013	6,131	13,207
Other concrete product manufacturing	<1	23,095	37,104	83,290
Lime manufacturing	<1	1,961	5,719	12,048
Gypsum product manufacturing	<1	10,315	36,641	74,380
Abrasive product manufacturing	<1	257	931	1,272
Cut stone and stone product manufacturing	<1	9,838	12,551	27,807
Ground or treated mineral and earth manufacturing	<1	2,894	10,094	16,048
Mineral wool manufacturing	<1	3,543	10,358	17,545
Miscellaneous nonmetallic mineral products manufacturing	<1	3,637	14,066	26,831
Iron and steel mills and ferroalloy manufacturing	<1	14,281	93,069	214,693
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,343	25,921	49,236
Rolled steel shape manufacturing	<1	1,249	11,407	26,602
Steel wire drawing	<1	3,594	16,803	34,296
Alumina refining and primary aluminum production	<1	2,196	9,588	46,150
Secondary smelting and alloying of aluminum	<1	503	2,630	14,625
Aluminum sheet, plate, and foil manufacturing	<1	1,070	8,206	18,629
Other aluminum rolling, drawing and extruding	<1	4,181	15,849	44,557

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	803	21,060	25,818
Copper rolling, drawing, extruding and alloying	<1	1,816	8,182	37,872
Nonferrous metal, except copper and aluminum, shaping	<1	2,057	4,959	13,581
Secondary processing of other nonferrous metals	<1	1,492	12,876	27,146
Ferrous metal foundries	<1	7,238	35,369	53,838
Nonferrous metal foundries	<1	3,934	14,624	26,266
Custom roll forming	<1	426	744	3,913
Crown and closure manufacturing and metal stamping	<1	15,155	19,403	57,975
Iron and steel forging	<1	1,796	2,985	11,635
Nonferrous forging	<1	625	924	3,179
Cutlery, utensil, pot, and pan manufacturing	<1	1,704	4,476	12,434
Handtool manufacturing	<1	5,381	8,783	18,069
Prefabricated metal buildings and components manufacturing	<1	6,371	9,428	31,580
Fabricated structural metal manufacturing	<1	30,017	45,363	150,563
Plate work manufacturing	<1	18,764	20,803	64,872
Metal window and door manufacturing	<1	38,525	53,344	152,512
Sheet metal work manufacturing	<1	26,061	35,134	102,723
Ornamental and architectural metal work manufacturing	<1	23,883	31,632	95,752
Power boiler and heat exchanger manufacturing	<1	212	303	997
Metal tank (heavy gauge) manufacturing	<1	3,042	3,932	11,969
Metal cans manufacturing	<1	6,000	13,548	57,884
Metal barrels, drums and pails manufacturing	<1	1,810	2,292	10,200
Hardware manufacturing	<1	5,835	9,313	29,688
Spring and wire product manufacturing	1	66,027	91,759	279,975
Machine shops	2	141,664	176,324	394,838
Turned product and screw, nut, and bolt manufacturing	<1	5,641	8,456	26,234
Metal heat treating	<1	3,179	4,667	11,267
Metal coating and nonprecious engraving	<1	12,910	23,062	59,159
Electroplating, anodizing, and coloring metal	<1	10,061	11,609	27,775
Valve and fittings, other than plumbing, manufacturing	<1	10,179	16,356	47,558

Appendix

Plumbing fixture fitting and trim manufacturing	<1	2,355	6,634	24,658
Ball and roller bearing manufacturing	<1	944	1,739	4,356
Small arms ammunition manufacturing	<1	9,723	19,992	45,708
Ammunition, except for small arms, manufacturing	<1	122	155	419
Small arms, ordnance, and accessories manufacturing	<1	8,167	15,531	41,583
Fabricated pipe and pipe fitting manufacturing	<1	2,953	3,756	10,690
Other fabricated metal manufacturing	<1	27,393	36,713	105,068
Farm machinery and equipment manufacturing	<1	545	859	4,188
Lawn and garden equipment manufacturing	<1	799	1,197	7,604
Construction machinery manufacturing	<1	437	782	3,082
Mining machinery and equipment manufacturing	<1	463	627	1,839
Oil and gas field machinery and equipment manufacturing	<1	50	71	270
Semiconductor machinery manufacturing	<1	250	280	1,124
Food product machinery manufacturing	<1	115	125	382
Sawmill, woodworking, and paper machinery	<1	326	353	1,202
Printing machinery and equipment manufacturing	<1	331	355	1,135
All other industrial machinery manufacturing	<1	694	800	2,499
Optical instrument and lens manufacturing	<1	1,606	1,965	6,209
Photographic and photocopying equipment manufacturing	<1	105	126	451
Other commercial service industry machinery manufacturing	<1	20,170	26,928	76,626
Air purification and ventilation equipment manufacturing	<1	3,253	3,880	12,472
Heating equipment (except warm air furnaces) manufacturing	<1	3,893	5,056	18,661
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	18,667	27,544	109,715
Industrial mold manufacturing	<1	1,786	1,964	4,800
Special tool, die, jig, and fixture manufacturing	<1	262	307	694

Appendix

Cutting tool and machine tool accessory manufacturing	<1	1,188	1,286	3,490
Machine tool manufacturing	<1	436	503	1,873
Rolling mill and other metalworking machinery manufacturing	<1	136	151	429
Turbine and turbine generator set units manufacturing	<1	550	658	3,604
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4,329	5,567	21,817
Mechanical power transmission equipment manufacturing	<1	4,706	6,201	14,824
Other engine equipment manufacturing	<1	3,278	5,495	42,704
Pump and pumping equipment manufacturing	<1	1,336	1,893	7,034
Air and gas compressor manufacturing	<1	226	327	1,339
Elevator and moving stairway manufacturing	<1	535	659	3,120
Conveyor and conveying equipment manufacturing	<1	204	223	787
Overhead cranes, hoists, and monorail systems manufacturing	<1	582	896	3,702
Industrial truck, trailer, and stacker manufacturing	<1	1,573	2,147	7,713
Power-driven handtool manufacturing	<1	43	84	372
Welding and soldering equipment manufacturing	<1	504	642	3,387
Packaging machinery manufacturing	<1	1,103	1,359	4,019
Industrial process furnace and oven manufacturing	<1	33	37	114
Fluid power cylinder and actuator manufacturing	<1	546	683	2,105
Fluid power pump and motor manufacturing	<1	1,183	1,590	6,838
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	992	1,125	3,863
Electronic computer manufacturing	<1	750	1,705	7,761
Computer storage device manufacturing	<1	61	159	675
Computer terminals and other computer peripheral equipment manufacturing	<1	96,995	163,817	415,464
Telephone apparatus manufacturing	<1	3,389	6,020	20,384

Appendix

Broadcast and wireless communications equipment manufacturing	<1	1,611	2,576	6,327
Other communications equipment manufacturing	<1	9,190	16,472	35,989
Audio and video equipment manufacturing	<1	1,258	2,274	10,203
Printed circuit assembly (electronic assembly) manufacturing	<1	4,189	8,281	33,436
Bare printed circuit board manufacturing	<1	20,340	27,383	46,742
Semiconductor and related device manufacturing	<1	21,519	40,553	122,591
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,923	4,343	12,734
Electronic connector manufacturing	<1	20,442	32,767	84,631
Other electronic component manufacturing	<1	6,073	8,645	22,788
Electromedical and electrotherapeutic apparatus manufacturing	<1	938	1,899	4,872
Search, detection, and navigation instruments manufacturing	<1	952	1,724	3,743
Automatic environmental control manufacturing	<1	2,462	3,415	8,445
Industrial process variable instruments manufacturing	<1	1,693	2,797	6,303
Totalizing fluid meter and counting device manufacturing	<1	2,052	5,067	12,988
Electricity and signal testing instruments manufacturing	<1	702	1,156	3,210
Analytical laboratory instrument manufacturing	<1	41,509	76,020	178,365
Irradiation apparatus manufacturing	<1	64	131	286
Watch, clock, and other measuring and controlling device manufacturing	<1	1,037	2,007	4,922
Blank magnetic and optical recording media manufacturing	<1	32	105	697
Software and other prerecorded and record reproducing	<1	7,859	11,619	21,621
Electric lamp bulb and part manufacturing	<1	1,390	2,549	8,871
Lighting fixture manufacturing	<1	6,533	9,450	29,946
Small electrical appliance manufacturing	<1	534	1,120	4,719

Appendix

Household cooking appliance manufacturing	<1	213	425	1,213
Household refrigerator and home freezer manufacturing	<1	228	470	1,294
Household laundry equipment manufacturing	<1	540	879	3,093
Other major household appliance manufacturing	<1	88	193	498
Power, distribution, and specialty transformer manufacturing	<1	868	1,280	4,140
Motor and generator manufacturing	<1	3,486	5,647	22,105
Switchgear and switchboard apparatus manufacturing	<1	6,771	10,887	33,779
Relay and industrial control manufacturing	<1	5,260	7,134	22,576
Storage battery manufacturing	<1	13,542	19,044	54,441
Primary battery manufacturing	<1	5,820	6,571	19,789
Fiber optic cable manufacturing	<1	2,040	2,579	19,589
Other communication and energy wire manufacturing	<1	4,527	6,675	28,278
Wiring device manufacturing	<1	5,581	10,084	33,874
Carbon and graphite product manufacturing	<1	800	1,270	3,287
All other miscellaneous electrical equipment and component manufacturing	<1	412	483	1,695
Automobile manufacturing	<1	216	329	4,739
Light truck and utility vehicle manufacturing	<1	204	284	5,098
Heavy duty truck manufacturing	<1	1,722	2,360	22,484
Motor vehicle body manufacturing	<1	831	915	3,660
Truck trailer manufacturing	<1	42	47	257
Motor home manufacturing	<1	16,439	20,294	104,681
Travel trailer and camper manufacturing	<1	23,692	25,513	115,090
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,313	6,284	43,016
Motor vehicle electrical and electronic equipment manufacturing	<1	9,048	11,946	65,874
Motor vehicle transmission and power train parts manufacturing	<1	4,759	5,801	50,424
Motor vehicle seating and interior trim manufacturing	<1	2,007	2,196	11,085
Motor vehicle metal stamping	<1	5,457	5,906	31,808
Other motor vehicle parts manufacturing	<1	25,990	29,881	175,347

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	9,942	11,934	63,724
Aircraft manufacturing	<1	592	976	4,715
Aircraft engine and engine parts manufacturing	<1	5,439	8,067	25,658
Other aircraft parts and auxiliary equipment manufacturing	<1	58,274	74,716	198,796
Guided missile and space vehicle manufacturing	<1	12,958	16,051	47,955
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	501	589	1,465
Railroad rolling stock manufacturing	<1	84	90	370
Ship building and repairing	<1	5,656	6,362	18,242
Boat building	1	69,850	84,664	341,511
Motorcycle, bicycle, and parts manufacturing	<1	979	2,066	9,814
Military armored vehicle, tank, and tank component manufacturing	<1	17,847	26,009	112,209
All other transportation equipment manufacturing	<1	10,843	15,865	78,995
Wood kitchen cabinet and countertop manufacturing	<1	34,451	40,210	101,490
Upholstered household furniture manufacturing	<1	8,164	9,065	31,263
Nonupholstered wood household furniture manufacturing	<1	7,434	8,050	22,672
Other household nonupholstered furniture manufacturing	<1	6,797	8,829	40,583
Institutional furniture manufacturing	<1	551	584	1,710
Wood office furniture manufacturing	<1	136	159	456
Custom architectural woodwork and millwork	<1	834	783	2,393
Office furniture, except wood, manufacturing	<1	555	709	2,377
Showcase, partition, shelving, and locker manufacturing	<1	2,744	3,306	11,102
Mattress manufacturing	<1	7,908	10,125	48,410
Blind and shade manufacturing	<1	3,512	3,735	16,071
Surgical and medical instrument manufacturing	<1	16,285	24,448	60,758
Surgical appliance and supplies manufacturing	<1	25,584	40,375	111,819
Dental equipment and supplies manufacturing	<1	1,545	2,156	5,232

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Ophthalmic goods manufacturing	<1	33,516	51,373	97,987
Dental laboratories	<1	22,161	22,699	37,778
Jewelry and silverware manufacturing	<1	14,476	22,804	63,074
Sporting and athletic goods manufacturing	<1	8,332	10,440	35,238
Doll, toy, and game manufacturing	<1	1,941	2,590	8,504
Office supplies (except paper) manufacturing	<1	12,404	15,704	50,210
Sign manufacturing	<1	17,015	14,308	37,056
Gasket, packing, and sealing device manufacturing	<1	1,788	2,029	4,994
Musical instrument manufacturing	<1	249	259	644
Fasteners, buttons, needles, and pins manufacturing	<1	3,343	3,997	10,282
Broom, brush, and mop manufacturing	<1	3,590	4,185	12,793
Burial casket manufacturing	<1	508	574	997
All other miscellaneous manufacturing	<1	30,469	37,346	102,941
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	114,161	269,035	578,389
Wholesale - Professional and commercial equipment and supplies	5	572,399	925,606	1,547,133
Wholesale - Household appliances and electrical and electronic goods	2	206,596	508,288	1,038,467
Wholesale - Machinery, equipment, and supplies	3	283,208	560,988	942,713
Wholesale - Other durable goods merchant wholesalers	6	491,243	873,672	1,610,281
Wholesale - Drugs and druggists' sundries	2	322,404	933,729	1,761,288
Wholesale - Grocery and related product wholesalers	6	476,268	653,105	1,237,937
Wholesale - Petroleum and petroleum products	<1	66,077	975,739	1,094,025
Wholesale - Other nondurable goods merchant wholesalers	8	733,625	1,629,242	2,787,796
Wholesale - Wholesale electronic markets and agents and brokers	4	382,592	399,668	472,714
Retail - Motor vehicle and parts dealers	8	467,085	730,170	1,054,724
Retail - Furniture and home furnishings stores	5	242,264	322,359	516,624
Retail - Electronics and appliance stores	5	268,881	285,166	477,017

Appendix

Retail - Building material and garden equipment and supplies stores	7	282,605	532,044	791,086
Retail - Food and beverage stores	24	677,401	955,360	1,635,648
Retail - Health and personal care stores	11	480,668	607,848	940,372
Retail - Gasoline stores	6	142,084	262,697	524,209
Retail - Clothing and clothing accessories stores	13	332,181	545,640	1,133,158
Retail - Sporting goods, hobby, musical instrument and book stores	7	185,822	259,217	419,803
Retail - General merchandise stores	24	719,737	1,078,370	1,778,455
Retail - Miscellaneous store retailers	13	327,307	408,781	675,859
Retail - Nonstore retailers	13	423,544	1,420,523	2,509,070
Air transportation	5	534,375	1,198,973	2,101,084
Rail transportation	1	156,834	219,654	450,447
Water transportation	<1	106,186	198,414	683,448
Truck transportation	17	742,837	1,025,175	2,326,279
Transit and ground passenger transportation	25	177,956	202,778	470,496
Pipeline transportation	<1	34,884	80,954	103,145
Scenic and sightseeing transportation and support activities for transportation	16	1,031,045	1,118,611	2,291,922
Couriers and messengers	11	319,979	472,314	870,260
Warehousing and storage	14	438,514	504,026	1,109,164
Newspaper publishers	1	86,773	141,902	177,969
Periodical publishers	<1	70,280	107,637	169,862
Book publishers	<1	40,696	117,837	194,589
Directory, mailing list, and other publishers	<1	24,823	63,823	92,049
Greeting card publishing	<1	237	615	1,107
Software publishers	4	433,540	936,354	1,057,099
Motion picture and video industries	3	142,216	225,964	634,228
Sound recording industries	<1	27,865	143,520	262,364
Radio and television broadcasting	4	752,700	886,519	1,829,776
Cable and other subscription programming	<1	131,278	537,441	1,046,357
Wired telecommunications carriers	5	477,560	1,241,987	2,407,869
Wireless telecommunications carriers (except satellite)	1	121,490	966,399	2,292,100

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Satellite, telecommunications resellers, and all other telecommunications	2	162,651	266,939	764,199
Data processing, hosting, and related services	5	493,338	996,275	2,600,854
News syndicates, libraries, archives and all other information services	<1	46,234	75,299	154,990
Internet publishing and broadcasting and web search portals	2	217,341	477,193	1,954,874
Nondepository credit intermediation and related activities	9	803,521	905,428	1,649,285
Securities and commodity contracts intermediation and brokerage	27	1,520,950	1,456,051	3,298,395
Monetary authorities and depository credit intermediation	25	2,310,073	3,405,648	7,682,972
Other financial investment activities	13	610,148	806,571	2,478,739
Direct life insurance carriers	4	327,724	595,121	922,251
Insurance carriers, except direct life	15	1,236,070	3,617,338	8,488,770
Insurance agencies, brokerages, and related activities	19	1,398,392	2,177,727	5,361,923
Funds, trusts, and other financial vehicles	6	152,466	220,830	1,618,952
Other real estate	168	3,001,708	9,347,554	28,859,188
Tenant-occupied housing	9	155,308	2,888,097	3,284,383
Owner-occupied dwellings	0	0	8,883,932	11,277,761
Automotive equipment rental and leasing	3	137,141	554,241	801,992
General and consumer goods rental except video tapes and discs	4	161,901	255,106	459,647
Video tape and disc rental	<1	35,766	63,342	101,035
Commercial and industrial machinery and equipment rental and leasing	3	192,762	672,807	960,497
Lessors of nonfinancial intangible assets	<1	83,229	1,077,997	1,191,758
Legal services	53	4,526,972	6,270,779	9,240,816
Accounting, tax preparation, bookkeeping, and payroll services	20	1,370,972	1,816,639	2,692,940
Architectural, engineering, and related services	23	1,653,903	1,806,426	3,325,349
Specialized design services	2	123,784	195,719	321,546
Custom computer programming services	5	399,498	427,648	628,757

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Computer systems design services	7	556,394	523,738	692,540
Other computer related services, including facilities management	5	392,410	602,314	1,101,492
Management consulting services	53	4,051,867	4,216,382	7,073,055
Environmental and other technical consulting services	7	497,944	523,768	824,829
Scientific research and development services	583	46,854,091	63,797,230	126,737,450
Advertising, public relations, and related services	13	820,551	1,138,649	2,150,228
Photographic services	<1	30,706	75,414	153,611
Veterinary services	2	112,543	139,339	220,697
Marketing research and all other miscellaneous professional, scientific, and technical services	17	1,188,401	2,217,045	4,103,823
Management of companies and enterprises	48	5,052,738	5,875,656	10,208,780
Office administrative services	16	896,292	386,372	1,020,159
Facilities support services	4	201,283	297,460	621,208
Employment services	99	3,565,990	5,127,710	8,025,154
Business support services	22	877,668	726,423	1,391,457
Travel arrangement and reservation services	5	233,725	300,028	747,109
Investigation and security services	16	520,197	503,006	786,977
Services to buildings	27	764,024	1,021,268	2,020,451
Landscape and horticultural services	14	485,254	579,613	1,114,760
Other support services	5	190,268	240,742	495,069
Waste management and remediation services	4	281,340	467,717	903,929
Elementary and secondary schools	8	303,839	281,205	336,354
Junior colleges, colleges, universities, and professional schools	302	13,175,076	19,580,031	25,808,039
Other educational services	7	278,981	319,586	595,623
Offices of physicians	32	2,823,303	2,983,737	4,450,823
Offices of dentists	9	520,965	686,941	986,689
Offices of other health practitioners	8	430,261	672,043	898,142
Outpatient care centers	9	523,273	488,428	913,805
Medical and diagnostic laboratories	3	220,558	342,601	506,687
Home health care services	15	662,987	639,491	832,059
Other ambulatory health care services	3	159,736	182,453	297,949

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Hospitals	42	3,189,638	3,769,362	7,542,597
Nursing and community care facilities	17	632,979	706,006	1,288,754
Residential mental retardation, mental health, substance abuse and other facilities	4	168,577	181,290	286,416
Individual and family services	11	341,960	282,666	417,187
Child day care services	9	235,746	312,756	447,944
Community food, housing, and other relief services, including rehabilitation services	3	88,546	86,600	205,175
Performing arts companies	3	80,689	149,443	242,996
Commercial Sports Except Racing	11	365,840	225,190	433,913
Racing and Track Operation	<1	13,622	43,863	66,546
Independent artists, writers, and performers	3	83,882	491,022	608,094
Promoters of performing arts and sports and agents for public figures	4	88,888	253,476	440,701
Museums, historical sites, zoos, and parks	<1	16,194	23,236	40,606
Amusement parks and arcades	1	50,589	88,203	123,108
Gambling industries (except casino hotels)	4	157,628	347,336	564,889
Other amusement and recreation industries	5	154,533	156,529	292,440
Fitness and recreational sports centers	4	79,522	97,945	188,524
Bowling centers	<1	12,308	19,762	33,796
Hotels and motels, including casino hotels	28	1,051,196	2,262,765	3,373,549
Other accommodations	3	115,196	177,320	237,877
Full-service restaurants	64	1,658,278	2,438,208	4,178,220
Limited-service restaurants	43	845,739	1,404,134	3,141,351
All other food and drinking places	26	701,809	1,146,688	1,713,753
Automotive repair and maintenance, except car washes	16	741,603	943,800	1,421,921
Car washes	8	384,810	597,619	913,041
Electronic and precision equipment repair and maintenance	5	297,899	364,325	630,361
Commercial and industrial machinery and equipment repair and maintenance	6	363,372	352,206	581,464
Personal and household goods repair and maintenance	3	115,883	238,366	347,550
Personal care services	13	346,802	313,869	433,150
Death care services	3	86,879	59,381	90,418

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Dry-cleaning and laundry services	8	225,863	145,076	208,448
Other personal services	9	256,990	322,059	491,191
Religious organizations	4	222,479	111,170	373,058
Grantmaking, giving, and social advocacy organizations	<1	53,797	173,806	269,668
Business and professional associations	2	153,780	269,661	470,453
Labor and civic organizations	3	109,148	309,200	485,096
Private households	9	162,598	162,598	162,598
Postal service	5	456,277	456,369	485,538
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	66,276	47,551	316,683
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	212,837	301,802	456,534
Local government passenger transit	2	205,997	74,828	317,923
Local government electric utilities	1	108,532	416,429	742,442
Other local government enterprises	7	440,276	1,209,754	2,306,202
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	2,184,526	2,799,373	6,404,205

Georgia

NASA

Table 655: Detailed NASA Impacts by Types of Impact, Georgia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	462	30,291,213	48,051,821	89,328,652
Oilseed farming	<1	3,188	4,568	6,107
Grain farming	<1	16,658	-3,198	50,676
Vegetable and melon farming	<1	11,483	17,638	32,592
Fruit farming	<1	8,309	13,821	19,944
Tree nut farming	<1	3,685	6,635	10,419
Greenhouse, nursery, and floriculture production	<1	4,654	6,306	13,403
Tobacco farming	<1	505	514	1,029
Cotton farming	<1	2,831	3,894	7,995
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	11,856	14,260	31,208
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	10,518	16,078	30,092
Dairy cattle and milk production	<1	1,817	2,586	10,748
Poultry and egg production	<1	6,013	8,273	130,740
Animal production, except cattle and poultry and eggs	<1	14,773	18,417	26,035
Forestry, forest products, and timber tract production	<1	2,144	1,977	2,486
Commercial logging	<1	10,748	9,212	13,911
Commercial fishing	<1	1,055	2,024	2,154
Commercial hunting and trapping	<1	377	2,144	2,659
Support activities for agriculture and forestry	1	36,999	33,343	42,097
Oil and gas extraction	<1	21,697	26,087	123,840
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	4,882	12,188	20,634
Sand and gravel mining	<1	4,112	7,369	12,298

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Other clay, ceramic, refractory minerals mining	<1	1,677	2,690	4,433
Potash, soda, and borate mineral mining	<1	329	464	633
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	112	212	388
Other nonmetallic minerals	<1	869	1,422	2,554
Drilling oil and gas wells	<1	<1	1	4
Support activities for oil and gas operations	<1	27	31	70
Metal mining services	<1	115	152	870
Other nonmetallic minerals services	<1	19	29	154
Electric power generation - Hydroelectric	<1	557	1,777	3,545
Electric power generation - Fossil fuel	<1	1,525	5,830	14,075
Electric power generation - Nuclear	<1	58,936	127,178	248,551
Electric power generation - Solar	<1	242	978	2,134
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	685	2,809	6,448
Electric power generation - All other	<1	175	108	185
Electric power transmission and distribution	<1	123,335	430,380	1,017,457
Natural gas distribution	<1	35,711	99,598	201,263
Water, sewage and other systems	<1	9,241	19,239	35,576
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	84,746	144,123	313,493
Maintenance and repair construction of residential structures	<1	33,958	55,188	121,468
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	46	79	170
Dog and cat food manufacturing	<1	4,601	21,552	51,421
Other animal food manufacturing	<1	3,394	7,928	50,195
Flour milling	<1	1,476	4,054	19,892
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	972	9,220	55,613
Fats and oils refining and blending	<1	887	2,586	16,142
Breakfast cereal manufacturing	<1	8,146	31,583	71,173
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	656	2,786	8,779
Nonchocolate confectionery manufacturing	<1	3,307	6,753	23,240
Chocolate and confectionery manufacturing from cacao beans	<1	358	723	2,545
Confectionery manufacturing from purchased chocolate	<1	1,161	2,081	8,628
Frozen fruits, juices and vegetables manufacturing	<1	169	508	1,530
Frozen specialties manufacturing	<1	4,252	7,634	26,170
Canned fruits and vegetables manufacturing	<1	1,289	3,929	12,422
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	185	485	1,463
Cheese manufacturing	<1	933	1,759	17,296
Dry, condensed, and evaporated dairy product manufacturing	<1	907	3,493	17,700
Fluid milk manufacturing	<1	80	178	813
Creamery butter manufacturing	<1	237	1,880	7,553
Ice cream and frozen dessert manufacturing	<1	940	1,692	8,066
Frozen cakes and other pastries manufacturing	<1	7,871	12,639	23,378

Appendix

Poultry processing	<1	42,253	62,787	282,600
Animal, except poultry, slaughtering	<1	7,754	11,481	83,967
Meat processed from carcasses	<1	16,270	16,608	118,956
Rendering and meat byproduct processing	<1	511	673	3,058
Seafood product preparation and packaging	<1	5,456	8,679	38,493
Bread and bakery product, except frozen, manufacturing	<1	25,415	44,430	90,334
Cookie and cracker manufacturing	<1	8,193	15,794	38,405
Dry pasta, mixes, and dough manufacturing	<1	2,036	7,021	18,377
Tortilla manufacturing	<1	2,745	4,049	12,054
Roasted nuts and peanut butter manufacturing	<1	3,245	14,733	33,231
Other snack food manufacturing	<1	5,415	19,209	52,807
Coffee and tea manufacturing	<1	1,598	4,329	13,513
Flavoring syrup and concentrate manufacturing	<1	7,284	104,381	148,948
Mayonnaise, dressing, and sauce manufacturing	<1	1,201	3,419	11,167
Spice and extract manufacturing	<1	3,046	7,148	24,794
All other food manufacturing	<1	5,737	11,175	44,247
Bottled and canned soft drinks & water	<1	12,511	27,616	91,982
Manufactured ice	<1	554	552	1,711
Breweries	<1	14,622	43,457	84,473
Wineries	<1	1,126	2,443	8,450
Distilleries	<1	1,030	6,731	12,144
Tobacco product manufacturing	<1	214	7,890	10,777
Fiber, yarn, and thread mills	<1	29,354	41,399	155,735
Broadwoven fabric mills	<1	9,242	13,781	48,867
Narrow fabric mills and schiffli machine embroidery	<1	138	147	326
Nonwoven fabric mills	<1	8,451	13,052	41,954
Knit fabric mills	<1	121	140	295
Textile and fabric finishing mills	<1	2,249	2,713	8,463
Fabric coating mills	<1	141	173	807
Carpet and rug mills	<1	9,227	14,459	46,673
Curtain and linen mills	<1	1,334	1,656	5,863
Textile bag and canvas mills	<1	967	1,121	3,287
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,042	2,874	8,211
Other textile product mills	<1	1,881	2,200	6,256
Hosiery and sock mills	<1	64	107	279

Appendix

Other apparel knitting mills	<1	65	113	290
Cut and sew apparel contractors	<1	252	291	774
Mens and boys cut and sew apparel manufacturing	<1	1,163	1,176	3,834
Womens and girls cut and sew apparel manufacturing	<1	527	543	3,195
Other cut and sew apparel manufacturing	<1	464	497	2,024
Apparel accessories and other apparel manufacturing	<1	74	116	400
Leather and hide tanning and finishing	<1	85	73	512
Footwear manufacturing	<1	401	407	1,485
Other leather and allied product manufacturing	<1	36	36	103
Sawmills	<1	10,358	16,485	48,407
Wood preservation	<1	1,559	4,298	9,978
Veneer and plywood manufacturing	<1	4,030	6,354	13,948
Engineered wood member and truss manufacturing	<1	1,470	2,248	6,364
Reconstituted wood product manufacturing	<1	738	1,795	5,213
Wood windows and door manufacturing	<1	11,492	16,111	37,276
Cut stock, resawing lumber, and planing	<1	613	1,112	3,153
Other millwork, including flooring	<1	3,136	5,126	13,680
Wood container and pallet manufacturing	<1	4,900	6,781	16,255
Manufactured home (mobile home) manufacturing	<1	5	6	21
Prefabricated wood building manufacturing	<1	393	553	1,648
All other miscellaneous wood product manufacturing	<1	1,230	1,858	5,147
Pulp mills	<1	3,751	6,836	23,117
Paper mills	<1	14,687	40,308	118,446
Paperboard mills	<1	10,500	31,618	89,222
Paperboard container manufacturing	<1	19,554	34,632	123,690
Paper bag and coated and treated paper manufacturing	<1	10,810	24,086	74,757
Stationery product manufacturing	<1	2,090	3,590	12,054
Sanitary paper product manufacturing	<1	4,649	18,181	47,061
All other converted paper product manufacturing	<1	809	1,358	4,132

Appendix

Printing	1	60,368	105,574	199,935
Support activities for printing	<1	6,275	10,261	17,367
Petroleum refineries	<1	759	9,277	46,818
Asphalt paving mixture and block manufacturing	<1	725	1,447	5,488
Asphalt shingle and coating materials manufacturing	<1	773	4,375	7,811
Petroleum lubricating oil and grease manufacturing	<1	46,471	222,642	420,051
All other petroleum and coal products manufacturing	<1	1,036	6,684	14,368
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	1	126,985	222,969	932,373
Synthetic dye and pigment manufacturing	<1	1,757	2,984	11,681
Other basic inorganic chemical manufacturing	<1	9,596	17,741	63,464
Other basic organic chemical manufacturing	<1	3,268	5,858	52,220
Plastics material and resin manufacturing	<1	6,477	9,701	69,813
Synthetic rubber manufacturing	<1	467	657	3,929
Artificial and synthetic fibers and filaments manufacturing	<1	5,657	7,817	47,378
Nitrogenous fertilizer manufacturing	<1	1,404	2,830	9,647
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	422	726	3,163
Pesticide and other agricultural chemical manufacturing	<1	2,274	5,803	43,552
Medicinal and botanical manufacturing	<1	903	1,273	4,815
Pharmaceutical preparation manufacturing	<1	7,899	21,464	71,314
In-vitro diagnostic substance manufacturing	<1	325	425	1,099
Biological product (except diagnostic) manufacturing	<1	1,047	1,808	4,457
Paint and coating manufacturing	<1	5,694	9,556	47,957
Adhesive manufacturing	<1	2,970	4,263	19,583
Soap and other detergent manufacturing	<1	7,863	19,679	75,458
Polish and other sanitation good manufacturing	<1	7,558	10,466	37,135
Surface active agent manufacturing	<1	2,102	5,525	18,140
Toilet preparation manufacturing	<1	2,781	7,102	23,490
Printing ink manufacturing	<1	1,061	1,149	5,004

Appendix

Explosives manufacturing	<1	44	49	189
Custom compounding of purchased resins	<1	11,152	18,371	68,383
Photographic film and chemical manufacturing	<1	8,054	15,237	64,678
Other miscellaneous chemical product manufacturing	<1	6,047	8,975	40,620
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,855	14,124	46,668
Unlaminated plastics profile shape manufacturing	<1	3,174	9,389	24,654
Plastics pipe and pipe fitting manufacturing	<1	982	3,736	10,369
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	961	2,329	6,697
Polystyrene foam product manufacturing	<1	5,261	11,161	34,282
Urethane and other foam product (except polystyrene) manufacturing	<1	1,481	2,981	10,252
Plastics bottle manufacturing	<1	4,075	8,056	33,372
Other plastics product manufacturing	<1	30,033	52,589	157,092
Tire manufacturing	<1	6,899	12,717	51,199
Rubber and plastics hoses and belting manufacturing	<1	1,767	3,169	8,946
Other rubber product manufacturing	<1	6,336	10,584	35,294
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,571	2,464	4,978
Brick, tile, and other structural clay product manufacturing	<1	1,760	3,449	7,431
Flat glass manufacturing	<1	362	871	1,910
Other pressed and blown glass and glassware manufacturing	<1	266	530	1,339
Glass container manufacturing	<1	2,180	3,955	9,989
Glass product manufacturing made of purchased glass	<1	1,797	3,480	8,405
Cement manufacturing	<1	1,110	3,164	8,136
Ready-mix concrete manufacturing	<1	4,951	9,496	29,173
Concrete block and brick manufacturing	<1	1,077	2,240	5,470
Concrete pipe manufacturing	<1	49	94	239
Other concrete product manufacturing	<1	3,266	4,990	10,914
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,074	6,558	14,642

Appendix

Abrasive product manufacturing	<1	185	600	944
Cut stone and stone product manufacturing	<1	2,256	2,823	6,166
Ground or treated mineral and earth manufacturing	<1	1,402	4,465	8,924
Mineral wool manufacturing	<1	1,226	3,363	6,813
Miscellaneous nonmetallic mineral products manufacturing	<1	440	1,491	2,896
Iron and steel mills and ferroalloy manufacturing	<1	2,609	4,503	31,001
Iron, steel pipe and tube manufacturing from purchased steel	<1	659	1,036	4,840
Rolled steel shape manufacturing	<1	228	442	2,707
Steel wire drawing	<1	472	653	3,445
Alumina refining and primary aluminum production	<1	421	612	4,429
Secondary smelting and alloying of aluminum	<1	516	863	8,074
Aluminum sheet, plate, and foil manufacturing	<1	1,627	2,945	11,056
Other aluminum rolling, drawing and extruding	<1	2,537	3,429	18,354
Nonferrous metal (exc aluminum) smelting and refining	<1	504	1,905	7,801
Copper rolling, drawing, extruding and alloying	<1	8,151	11,605	102,277
Nonferrous metal, except copper and aluminum, shaping	<1	155	183	616
Secondary processing of other nonferrous metals	<1	21	34	222
Ferrous metal foundries	<1	1,226	1,694	5,530
Nonferrous metal foundries	<1	272	375	1,218
Custom roll forming	<1	739	1,397	7,001
Crown and closure manufacturing and metal stamping	<1	3,319	4,456	13,382
Iron and steel forging	<1	1,698	3,027	8,173
Nonferrous forging	<1	2,100	3,303	10,512
Cutlery, utensil, pot, and pan manufacturing	<1	219	683	2,001
Handtool manufacturing	<1	1,661	2,987	6,471
Prefabricated metal buildings and components manufacturing	<1	881	1,360	4,615
Fabricated structural metal manufacturing	<1	3,997	6,405	19,316
Plate work manufacturing	<1	343	392	1,530
Metal window and door manufacturing	<1	4,282	6,244	16,021
Sheet metal work manufacturing	<1	10,117	14,306	37,958

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Ornamental and architectural metal work manufacturing	<1	2,459	3,402	8,958
Power boiler and heat exchanger manufacturing	<1	359	566	1,458
Metal tank (heavy gauge) manufacturing	<1	607	820	2,360
Metal cans manufacturing	<1	1,228	3,206	13,726
Metal barrels, drums and pails manufacturing	<1	804	1,053	4,088
Hardware manufacturing	<1	1,653	2,847	8,586
Spring and wire product manufacturing	<1	938	1,381	3,987
Machine shops	<1	11,667	15,034	31,041
Turned product and screw, nut, and bolt manufacturing	<1	1,891	3,022	7,920
Metal heat treating	<1	385	606	1,435
Metal coating and nonprecious engraving	<1	3,235	6,347	14,577
Electroplating, anodizing, and coloring metal	<1	1,775	2,097	4,746
Valve and fittings, other than plumbing, manufacturing	<1	1,091	1,893	4,202
Plumbing fixture fitting and trim manufacturing	<1	1,217	3,960	12,636
Ball and roller bearing manufacturing	<1	2,265	4,586	11,375
Small arms ammunition manufacturing	<1	130	310	680
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,963	4,142	8,875
Fabricated pipe and pipe fitting manufacturing	<1	469	617	1,648
Other fabricated metal manufacturing	<1	1,671	2,372	6,895
Farm machinery and equipment manufacturing	<1	816	1,936	4,346
Lawn and garden equipment manufacturing	<1	381	974	4,392
Construction machinery manufacturing	<1	13,263	44,754	112,395
Mining machinery and equipment manufacturing	<1	2	4	11
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	73	97	300
Food product machinery manufacturing	<1	37	50	139

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Sawmill, woodworking, and paper machinery	<1	247	306	979
Printing machinery and equipment manufacturing	<1	46	57	204
All other industrial machinery manufacturing	<1	95	155	408
Optical instrument and lens manufacturing	<1	2	4	10
Photographic and photocopying equipment manufacturing	<1	15	26	77
Other commercial service industry machinery manufacturing	<1	369	858	2,101
Air purification and ventilation equipment manufacturing	<1	260	462	959
Heating equipment (except warm air furnaces) manufacturing	<1	595	1,255	3,124
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,681	12,473	30,839
Industrial mold manufacturing	<1	145	197	421
Special tool, die, jig, and fixture manufacturing	<1	157	265	484
Cutting tool and machine tool accessory manufacturing	<1	195	249	579
Machine tool manufacturing	<1	82	129	366
Rolling mill and other metalworking machinery manufacturing	<1	24	34	73
Turbine and turbine generator set units manufacturing	<1	26	43	129
Speed changer, industrial high-speed drive, and gear manufacturing	<1	327	670	1,687
Mechanical power transmission equipment manufacturing	<1	73	166	478
Other engine equipment manufacturing	<1	1,095	3,650	15,243
Pump and pumping equipment manufacturing	<1	124	321	792
Air and gas compressor manufacturing	<1	11	31	71
Elevator and moving stairway manufacturing	<1	20	38	100
Conveyor and conveying equipment manufacturing	<1	69	86	226
Overhead cranes, hoists, and monorail systems manufacturing	<1	17,002	38,749	105,715
Industrial truck, trailer, and stacker manufacturing	<1	268	598	1,761

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Power-driven handtool manufacturing	<1	76	326	801
Welding and soldering equipment manufacturing	<1	31	59	161
Packaging machinery manufacturing	<1	55	107	244
Industrial process furnace and oven manufacturing	<1	17	23	53
Fluid power cylinder and actuator manufacturing	<1	239	441	1,107
Fluid power pump and motor manufacturing	<1	1,226	2,779	7,596
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	107	158	414
Electronic computer manufacturing	<1	120	292	818
Computer storage device manufacturing	<1	307	927	3,568
Computer terminals and other computer peripheral equipment manufacturing	<1	56,705	108,066	218,674
Telephone apparatus manufacturing	<1	10	18	57
Broadcast and wireless communications equipment manufacturing	<1	397	682	1,427
Other communications equipment manufacturing	<1	95	179	499
Audio and video equipment manufacturing	<1	399	758	1,836
Printed circuit assembly (electronic assembly) manufacturing	<1	603	1,251	5,161
Bare printed circuit board manufacturing	<1	241	343	871
Semiconductor and related device manufacturing	<1	325	613	1,354
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	277	428	1,048
Electronic connector manufacturing	<1	615	1,055	3,245
Other electronic component manufacturing	<1	639	950	3,444
Electromedical and electrotherapeutic apparatus manufacturing	<1	47	107	273
Search, detection, and navigation instruments manufacturing	2	210,656	424,501	787,255
Automatic environmental control manufacturing	<1	2,259	3,240	6,082

Appendix

Industrial process variable instruments manufacturing	<1	1,104	1,959	4,740
Totalizing fluid meter and counting device manufacturing	<1	128	329	815
Electricity and signal testing instruments manufacturing	<1	1,129	2,017	5,636
Analytical laboratory instrument manufacturing	<1	124,065	242,948	430,645
Irradiation apparatus manufacturing	<1	41	96	187
Watch, clock, and other measuring and controlling device manufacturing	<1	78	170	389
Blank magnetic and optical recording media manufacturing	<1	78	281	802
Software and other prerecorded and record reproducing	<1	110	175	335
Electric lamp bulb and part manufacturing	<1	6	14	56
Lighting fixture manufacturing	<1	4,824	7,806	15,472
Small electrical appliance manufacturing	<1	121	307	485
Household cooking appliance manufacturing	<1	1,277	3,354	10,153
Household refrigerator and home freezer manufacturing	<1	1,371	3,749	10,895
Household laundry equipment manufacturing	<1	3,251	6,622	25,862
Other major household appliance manufacturing	<1	518	1,516	4,097
Power, distribution, and specialty transformer manufacturing	<1	627	1,036	1,998
Motor and generator manufacturing	<1	1,628	3,177	7,981
Switchgear and switchboard apparatus manufacturing	<1	923	1,790	4,211
Relay and industrial control manufacturing	<1	2,013	3,007	7,011
Storage battery manufacturing	<1	6,487	10,175	24,466
Primary battery manufacturing	<1	6,980	20,845	32,048
Fiber optic cable manufacturing	<1	2,282	3,008	11,671
Other communication and energy wire manufacturing	<1	807	1,387	4,839
Wiring device manufacturing	<1	1,398	3,065	7,780
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	9,212	10,996	26,772
Automobile manufacturing	<1	3,981	10,567	52,106

Appendix

Light truck and utility vehicle manufacturing	<1	7	12	313
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	646	797	3,038
Truck trailer manufacturing	<1	68	78	349
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,516	3,834	20,007
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,548	3,400	17,757
Motor vehicle electrical and electronic equipment manufacturing	<1	10,818	12,378	34,956
Motor vehicle transmission and power train parts manufacturing	<1	6,122	8,503	39,582
Motor vehicle seating and interior trim manufacturing	<1	539	602	3,794
Motor vehicle metal stamping	<1	7,327	8,383	36,394
Other motor vehicle parts manufacturing	<1	11,534	13,994	73,619
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	6,715	9,683	49,022
Aircraft manufacturing	<1	459	788	2,975
Aircraft engine and engine parts manufacturing	<1	5,918	12,123	34,558
Other aircraft parts and auxiliary equipment manufacturing	6	466,416	630,425	1,812,852
Guided missile and space vehicle manufacturing	<1	7	10	26
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	16	23	54
Railroad rolling stock manufacturing	<1	27	31	148
Ship building and repairing	<1	9	11	25
Boat building	<1	2,845	3,657	15,026
Motorcycle, bicycle, and parts manufacturing	<1	137	362	1,501
Military armored vehicle, tank, and tank component manufacturing	<1	480	842	3,931
All other transportation equipment manufacturing	<1	17,148	28,792	123,734
Wood kitchen cabinet and countertop manufacturing	<1	4,230	7,314	15,622
Upholstered household furniture manufacturing	<1	1,088	1,334	4,379

Appendix

Nonupholstered wood household furniture manufacturing	<1	670	921	2,482
Other household nonupholstered furniture manufacturing	<1	584	1,174	2,941
Institutional furniture manufacturing	<1	39	46	179
Wood office furniture manufacturing	<1	140	244	583
Custom architectural woodwork and millwork	<1	88	88	263
Office furniture, except wood, manufacturing	<1	3,863	8,935	23,294
Showcase, partition, shelving, and locker manufacturing	<1	1,140	2,116	5,018
Mattress manufacturing	<1	1,467	3,756	10,542
Blind and shade manufacturing	<1	495	541	1,460
Surgical and medical instrument manufacturing	<1	1,154	1,964	4,370
Surgical appliance and supplies manufacturing	<1	3,211	5,790	14,217
Dental equipment and supplies manufacturing	<1	44	68	175
Ophthalmic goods manufacturing	<1	1,572	2,768	5,342
Dental laboratories	<1	1,627	1,678	3,049
Jewelry and silverware manufacturing	<1	1,665	2,948	7,976
Sporting and athletic goods manufacturing	<1	906	1,219	4,325
Doll, toy, and game manufacturing	<1	1,573	2,350	5,814
Office supplies (except paper) manufacturing	<1	1,597	2,213	7,891
Sign manufacturing	<1	2,540	2,230	5,886
Gasket, packing, and sealing device manufacturing	<1	652	788	2,104
Musical instrument manufacturing	<1	59	63	175
Fasteners, buttons, needles, and pins manufacturing	<1	1,928	2,461	6,230
Broom, brush, and mop manufacturing	<1	585	801	1,906
Burial casket manufacturing	<1	118	144	337
All other miscellaneous manufacturing	<1	2,624	3,397	9,045
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	22,724	56,934	111,272
Wholesale - Professional and commercial equipment and supplies	<1	104,956	179,578	288,719

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	53,644	139,547	251,933
Wholesale - Machinery, equipment, and supplies	<1	51,852	110,636	180,239
Wholesale - Other durable goods merchant wholesalers	1	88,292	167,335	299,550
Wholesale - Drugs and druggists' sundries	<1	52,609	168,094	290,929
Wholesale - Grocery and related product wholesalers	1	83,027	120,822	232,892
Wholesale - Petroleum and petroleum products	<1	9,567	203,470	226,103
Wholesale - Other nondurable goods merchant wholesalers	2	136,714	336,369	579,626
Wholesale - Wholesale electronic markets and agents and brokers	<1	96,257	100,782	115,642
Retail - Motor vehicle and parts dealers	1	84,431	132,317	196,062
Retail - Furniture and home furnishings stores	1	49,104	61,003	97,842
Retail - Electronics and appliance stores	<1	53,943	53,508	86,717
Retail - Building material and garden equipment and supplies stores	1	48,894	89,828	134,096
Retail - Food and beverage stores	4	126,200	172,851	297,626
Retail - Health and personal care stores	2	90,235	112,793	177,929
Retail - Gasoline stores	1	41,202	68,171	132,111
Retail - Clothing and clothing accessories stores	2	57,956	92,702	204,494
Retail - Sporting goods, hobby, musical instrument and book stores	1	30,648	40,206	68,493
Retail - General merchandise stores	5	137,799	197,089	332,093
Retail - Miscellaneous store retailers	2	67,443	78,597	127,455
Retail - Nonstore retailers	3	70,792	252,084	483,577
Air transportation	<1	113,008	249,518	392,542
Rail transportation	<1	29,368	60,421	110,691
Water transportation	<1	2,159	3,117	24,219
Truck transportation	4	205,635	253,282	543,506
Transit and ground passenger transportation	4	24,604	29,145	78,220
Pipeline transportation	<1	57,382	85,846	88,914
Scenic and sightseeing transportation and support activities for transportation	2	122,778	135,051	296,746

Appendix

Couriers and messengers	2	66,422	94,260	160,101
Warehousing and storage	3	117,139	132,465	251,509
Newspaper publishers	<1	32,208	52,793	59,435
Periodical publishers	<1	17,161	26,462	37,117
Book publishers	<1	28,748	82,207	129,782
Directory, mailing list, and other publishers	<1	3,587	9,474	13,409
Greeting card publishing	0	0	0	0
Software publishers	1	182,014	395,851	435,988
Motion picture and video industries	<1	59,397	129,316	226,094
Sound recording industries	<1	2,254	22,485	32,904
Radio and television broadcasting	<1	171,430	223,871	458,022
Cable and other subscription programming	<1	9,262	72,856	143,718
Wired telecommunications carriers	<1	200,779	319,358	438,025
Wireless telecommunications carriers (except satellite)	<1	54,458	245,951	442,291
Satellite, telecommunications resellers, and all other telecommunications	<1	43,764	49,922	79,765
Data processing, hosting, and related services	1	153,690	309,452	669,361
News syndicates, libraries, archives and all other information services	<1	3,270	5,197	11,901
Internet publishing and broadcasting and web search portals	<1	100,823	230,951	711,955
Nondepository credit intermediation and related activities	1	134,782	218,739	319,719
Securities and commodity contracts intermediation and brokerage	2	182,532	159,464	317,656
Monetary authorities and depository credit intermediation	3	290,468	1,734,393	2,036,647
Other financial investment activities	2	162,889	201,819	528,937
Direct life insurance carriers	<1	68,856	124,079	183,526
Insurance carriers, except direct life	2	159,964	462,661	1,100,642
Insurance agencies, brokerages, and related activities	3	267,513	388,235	897,908
Funds, trusts, and other financial vehicles	<1	36,625	47,583	260,006
Other real estate	22	413,113	1,541,151	4,136,734
Tenant-occupied housing	2	30,570	545,763	622,356

Appendix

Owner-occupied dwellings	0	0	1,738,809	2,207,342
Automotive equipment rental and leasing	<1	46,849	138,749	163,478
General and consumer goods rental except video tapes and discs	<1	52,908	62,758	85,200
Video tape and disc rental	<1	6,867	12,543	19,156
Commercial and industrial machinery and equipment rental and leasing	<1	56,453	144,518	171,326
Lessors of nonfinancial intangible assets	<1	2,386	189,343	197,337
Legal services	6	561,030	928,316	1,273,666
Accounting, tax preparation, bookkeeping, and payroll services	3	252,882	324,556	463,888
Architectural, engineering, and related services	13	1,101,818	1,200,207	2,080,844
Specialized design services	<1	26,994	41,174	62,324
Custom computer programming services	2	152,919	160,291	222,071
Computer systems design services	1	133,845	122,923	158,598
Other computer related services, including facilities management	<1	78,240	108,198	203,377
Management consulting services	6	608,620	628,438	957,294
Environmental and other technical consulting services	<1	59,849	62,331	92,134
Scientific research and development services	77	6,532,512	8,865,563	17,247,002
Advertising, public relations, and related services	3	250,195	333,688	548,175
Photographic services	<1	6,366	14,629	27,496
Veterinary services	<1	22,164	26,930	43,606
Marketing research and all other miscellaneous professional, scientific, and technical services	1	101,916	176,590	322,650
Management of companies and enterprises	8	1,223,514	1,331,063	2,069,266
Office administrative services	3	154,961	45,734	152,286
Facilities support services	<1	18,157	25,824	65,081
Employment services	17	615,841	866,765	1,365,791
Business support services	3	152,931	120,420	209,130
Travel arrangement and reservation services	<1	35,602	44,765	108,043
Investigation and security services	3	83,191	80,025	126,499
Services to buildings	4	118,973	156,615	303,732
Landscape and horticultural services	3	94,558	112,083	207,926

Appendix

Other support services	1	44,201	54,946	114,844
Waste management and remediation services	<1	44,439	77,450	156,235
Elementary and secondary schools	2	78,949	66,851	80,749
Junior colleges, colleges, universities, and professional schools	61	3,229,266	4,402,949	5,650,087
Other educational services	2	88,341	99,782	197,410
Offices of physicians	6	532,383	561,625	825,357
Offices of dentists	2	106,802	138,948	197,057
Offices of other health practitioners	1	79,712	122,130	162,008
Outpatient care centers	1	93,720	86,810	143,363
Medical and diagnostic laboratories	<1	36,068	54,903	78,585
Home health care services	2	88,424	85,272	111,761
Other ambulatory health care services	<1	31,754	36,125	62,613
Hospitals	9	719,007	826,776	1,630,679
Nursing and community care facilities	3	94,048	107,292	197,306
Residential mental retardation, mental health, substance abuse and other facilities	<1	18,216	19,943	31,743
Individual and family services	3	83,654	69,506	108,747
Child day care services	2	58,278	78,115	114,057
Community food, housing, and other relief services, including rehabilitation services	<1	26,649	26,222	63,230
Performing arts companies	<1	9,771	15,487	30,336
Commercial Sports Except Racing	2	43,947	20,784	57,220
Racing and Track Operation	<1	2,415	4,128	6,688
Independent artists, writers, and performers	<1	8,780	36,020	54,684
Promoters of performing arts and sports and agents for public figures	1	24,691	52,596	111,870
Museums, historical sites, zoos, and parks	<1	5,354	6,788	12,616
Amusement parks and arcades	<1	4,026	11,492	17,041
Gambling industries (except casino hotels)	<1	18,268	49,979	83,626
Other amusement and recreation industries	1	25,276	29,266	57,570
Fitness and recreational sports centers	<1	14,998	21,361	40,305
Bowling centers	<1	2,549	4,295	8,165

Appendix

Hotels and motels, including casino hotels	2	53,809	108,877	171,528
Other accommodations	<1	18,840	26,472	34,744
Full-service restaurants	11	251,617	378,417	673,417
Limited-service restaurants	9	161,935	270,279	629,056
All other food and drinking places	5	153,050	219,550	330,040
Automotive repair and maintenance, except car washes	3	135,427	162,932	257,545
Car washes	1	67,315	106,559	165,151
Electronic and precision equipment repair and maintenance	5	280,985	382,459	621,772
Commercial and industrial machinery and equipment repair and maintenance	1	63,882	76,402	115,997
Personal and household goods repair and maintenance	<1	19,310	38,526	57,095
Personal care services	3	72,007	64,295	95,748
Death care services	<1	17,656	12,324	20,462
Dry-cleaning and laundry services	2	40,278	26,650	40,693
Other personal services	2	49,599	59,611	99,469
Religious organizations	2	77,611	45,602	147,670
Grantmaking, giving, and social advocacy organizations	<1	19,502	67,201	103,141
Business and professional associations	<1	36,418	65,116	112,815
Labor and civic organizations	<1	22,547	68,091	120,982
Private households	2	30,005	30,000	30,000
Postal service	<1	86,799	86,813	92,602
Federal electric utilities	<1	23	35	176
Other federal government enterprises	1	36,975	28,799	255,679
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	65,662	68,161	138,041
Local government passenger transit	<1	12,148	-1,678	12,269
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	1,993	3,885	7,131
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	19	2,738,738	4,008,924	9,171,328

Moon to Mars Campaign

Table 656: Detailed M2M Campaign Impacts by Types of Impact, Georgia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	42	3,056,211	4,614,362	8,390,416
Oilseed farming	<1	284	558	830
Grain farming	<1	1,170	-242	3,595
Vegetable and melon farming	<1	1,075	1,692	3,121
Fruit farming	<1	866	1,459	2,114
Tree nut farming	<1	493	890	1,382
Greenhouse, nursery, and floriculture production	<1	422	581	1,224
Tobacco farming	<1	85	91	190
Cotton farming	<1	201	287	577
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	734	913	1,981
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	934	1,270	2,216
Dairy cattle and milk production	<1	171	228	900
Poultry and egg production	<1	494	744	10,592
Animal production, except cattle and poultry and eggs	<1	975	1,388	1,982
Forestry, forest products, and timber tract production	<1	198	182	224
Commercial logging	<1	944	812	1,182
Commercial fishing	<1	104	174	187
Commercial hunting and trapping	<1	56	210	251
Support activities for agriculture and forestry	<1	3,067	2,753	3,483
Oil and gas extraction	<1	555	824	4,339

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	645	1,370	2,370
Sand and gravel mining	<1	585	949	1,552
Other clay, ceramic, refractory minerals mining	<1	348	532	896
Potash, soda, and borate mineral mining	<1	22	30	40
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	5	9	15
Other nonmetallic minerals	<1	69	107	191
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	1	3
Metal mining services	<1	6	9	50
Other nonmetallic minerals services	<1	2	3	17
Electric power generation - Hydroelectric	<1	40	127	248
Electric power generation - Fossil fuel	<1	143	525	1,171
Electric power generation - Nuclear	<1	5,161	11,378	21,104
Electric power generation - Solar	<1	15	65	140
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	45	196	418
Electric power generation - All other	<1	17	11	16
Electric power transmission and distribution	<1	9,668	33,751	75,808
Natural gas distribution	<1	2,487	7,153	13,830
Water, sewage and other systems	<1	565	1,179	2,066
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,836	11,732	24,986
Maintenance and repair construction of residential structures	<1	3,480	5,680	12,296
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	8	17
Dog and cat food manufacturing	<1	381	1,873	4,337
Other animal food manufacturing	<1	308	752	4,562
Flour milling	<1	113	315	1,538
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	87	840	4,923
Fats and oils refining and blending	<1	58	172	1,028
Breakfast cereal manufacturing	<1	576	2,297	4,878
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	77	335	1,012
Nonchocolate confectionery manufacturing	<1	352	718	2,362
Chocolate and confectionery manufacturing from cacao beans	<1	47	96	327
Confectionery manufacturing from purchased chocolate	<1	104	189	732
Frozen fruits, juices and vegetables manufacturing	<1	17	52	141
Frozen specialties manufacturing	<1	383	690	2,337
Canned fruits and vegetables manufacturing	<1	141	435	1,342

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	19	50	150
Cheese manufacturing	<1	86	161	1,602
Dry, condensed, and evaporated dairy product manufacturing	<1	91	359	1,672
Fluid milk manufacturing	<1	7	15	67
Creamery butter manufacturing	<1	20	152	595
Ice cream and frozen dessert manufacturing	<1	68	125	551
Frozen cakes and other pastries manufacturing	<1	687	1,099	2,005
Poultry processing	<1	3,474	5,346	23,319
Animal, except poultry, slaughtering	<1	497	746	5,384
Meat processed from carcasses	<1	1,607	1,662	11,776
Rendering and meat byproduct processing	<1	48	64	289
Seafood product preparation and packaging	<1	331	547	2,294
Bread and bakery product, except frozen, manufacturing	<1	2,142	3,758	7,559
Cookie and cracker manufacturing	<1	867	1,770	3,932
Dry pasta, mixes, and dough manufacturing	<1	184	640	1,734
Tortilla manufacturing	<1	250	366	1,084
Roasted nuts and peanut butter manufacturing	<1	339	1,606	3,394
Other snack food manufacturing	<1	524	1,890	5,066
Coffee and tea manufacturing	<1	114	320	965
Flavoring syrup and concentrate manufacturing	<1	849	11,951	16,999
Mayonnaise, dressing, and sauce manufacturing	<1	106	296	937
Spice and extract manufacturing	<1	320	778	2,504
All other food manufacturing	<1	620	1,212	4,647
Bottled and canned soft drinks & water	<1	1,179	2,675	8,661
Manufactured ice	<1	55	58	163
Breweries	<1	1,039	3,244	6,142
Wineries	<1	148	324	1,076
Distilleries	<1	95	638	1,098
Tobacco product manufacturing	<1	26	1,151	1,441
Fiber, yarn, and thread mills	<1	2,448	3,820	12,922
Broadwoven fabric mills	<1	681	1,124	3,741
Narrow fabric mills and schiffli machine embroidery	<1	17	18	39

Appendix

Nonwoven fabric mills	<1	1,004	1,650	4,860
Knit fabric mills	<1	15	18	37
Textile and fabric finishing mills	<1	308	371	1,121
Fabric coating mills	<1	16	19	86
Carpet and rug mills	<1	947	1,708	4,644
Curtain and linen mills	<1	144	184	625
Textile bag and canvas mills	<1	95	112	317
Rope, cordage, twine, tire cord and tire fabric mills	<1	135	201	547
Other textile product mills	<1	204	242	660
Hosiery and sock mills	<1	6	10	24
Other apparel knitting mills	<1	8	13	32
Cut and sew apparel contractors	<1	28	33	85
Mens and boys cut and sew apparel manufacturing	<1	152	155	469
Womens and girls cut and sew apparel manufacturing	<1	75	77	438
Other cut and sew apparel manufacturing	<1	47	50	191
Apparel accessories and other apparel manufacturing	<1	9	15	47
Leather and hide tanning and finishing	<1	8	7	44
Footwear manufacturing	<1	42	43	150
Other leather and allied product manufacturing	<1	5	5	12
Sawmills	<1	816	1,305	3,872
Wood preservation	<1	113	314	737
Veneer and plywood manufacturing	<1	315	502	1,112
Engineered wood member and truss manufacturing	<1	142	215	607
Reconstituted wood product manufacturing	<1	64	154	441
Wood windows and door manufacturing	<1	911	1,286	2,942
Cut stock, resawing lumber, and planing	<1	51	93	262
Other millwork, including flooring	<1	279	458	1,183
Wood container and pallet manufacturing	<1	494	690	1,620
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	30	42	128
All other miscellaneous wood product manufacturing	<1	131	204	522
Pulp mills	<1	216	381	1,334

Appendix

Paper mills	<1	1,114	2,838	8,901
Paperboard mills	<1	845	2,455	7,203
Paperboard container manufacturing	<1	1,879	3,327	11,805
Paper bag and coated and treated paper manufacturing	<1	1,112	2,364	7,425
Stationery product manufacturing	<1	205	345	1,127
Sanitary paper product manufacturing	<1	453	1,647	4,485
All other converted paper product manufacturing	<1	74	122	387
Printing	<1	6,949	12,386	22,313
Support activities for printing	<1	957	1,564	2,600
Petroleum refineries	<1	54	648	3,262
Asphalt paving mixture and block manufacturing	<1	68	137	503
Asphalt shingle and coating materials manufacturing	<1	64	365	638
Petroleum lubricating oil and grease manufacturing	<1	158	868	1,605
All other petroleum and coal products manufacturing	<1	88	534	1,131
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	168	310	1,263
Synthetic dye and pigment manufacturing	<1	157	275	1,102
Other basic inorganic chemical manufacturing	<1	369	730	2,530
Other basic organic chemical manufacturing	<1	282	506	4,641
Plastics material and resin manufacturing	<1	398	603	4,413
Synthetic rubber manufacturing	<1	49	70	426
Artificial and synthetic fibers and filaments manufacturing	<1	848	1,119	6,958
Nitrogenous fertilizer manufacturing	<1	125	260	825
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	33	58	249
Pesticide and other agricultural chemical manufacturing	<1	166	426	3,258
Medicinal and botanical manufacturing	<1	122	181	629
Pharmaceutical preparation manufacturing	<1	1,029	2,926	9,246
In-vitro diagnostic substance manufacturing	<1	60	80	206

Appendix

Biological product (except diagnostic) manufacturing	<1	178	328	757
Paint and coating manufacturing	<1	615	1,075	5,329
Adhesive manufacturing	<1	310	468	2,024
Soap and other detergent manufacturing	<1	825	2,289	7,458
Polish and other sanitation good manufacturing	<1	848	1,229	4,055
Surface active agent manufacturing	<1	182	531	1,593
Toilet preparation manufacturing	<1	339	913	2,890
Printing ink manufacturing	<1	203	221	966
Explosives manufacturing	<1	8	9	34
Custom compounding of purchased resins	<1	349	588	2,115
Photographic film and chemical manufacturing	<1	835	1,658	6,759
Other miscellaneous chemical product manufacturing	<1	486	754	3,449
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	656	1,354	4,371
Unlaminated plastics profile shape manufacturing	<1	299	887	2,258
Plastics pipe and pipe fitting manufacturing	<1	133	507	1,403
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	132	320	920
Polystyrene foam product manufacturing	<1	632	1,342	4,156
Urethane and other foam product (except polystyrene) manufacturing	<1	148	300	1,023
Plastics bottle manufacturing	<1	398	789	3,169
Other plastics product manufacturing	<1	2,927	5,163	14,901
Tire manufacturing	<1	562	1,052	4,333
Rubber and plastics hoses and belting manufacturing	<1	128	229	651
Other rubber product manufacturing	<1	727	1,212	4,119
Pottery, ceramics, and plumbing fixture manufacturing	<1	176	265	559
Brick, tile, and other structural clay product manufacturing	<1	166	316	700
Flat glass manufacturing	<1	35	80	181
Other pressed and blown glass and glassware manufacturing	<1	26	51	128
Glass container manufacturing	<1	191	335	869

Appendix

Glass product manufacturing made of purchased glass	<1	156	295	724
Cement manufacturing	<1	182	502	1,315
Ready-mix concrete manufacturing	<1	746	1,399	4,317
Concrete block and brick manufacturing	<1	268	530	1,353
Concrete pipe manufacturing	<1	9	16	42
Other concrete product manufacturing	<1	370	554	1,237
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	355	1,075	2,458
Abrasive product manufacturing	<1	16	52	82
Cut stone and stone product manufacturing	<1	199	248	542
Ground or treated mineral and earth manufacturing	<1	126	399	796
Mineral wool manufacturing	<1	177	469	932
Miscellaneous nonmetallic mineral products manufacturing	<1	50	157	304
Iron and steel mills and ferroalloy manufacturing	<1	262	432	3,170
Iron, steel pipe and tube manufacturing from purchased steel	<1	78	119	554
Rolled steel shape manufacturing	<1	19	36	237
Steel wire drawing	<1	53	72	383
Alumina refining and primary aluminum production	<1	44	61	418
Secondary smelting and alloying of aluminum	<1	56	89	840
Aluminum sheet, plate, and foil manufacturing	<1	74	130	520
Other aluminum rolling, drawing and extruding	<1	183	241	1,292
Nonferrous metal (exc aluminum) smelting and refining	<1	60	209	903
Copper rolling, drawing, extruding and alloying	<1	673	947	7,980
Nonferrous metal, except copper and aluminum, shaping	<1	10	11	39
Secondary processing of other nonferrous metals	<1	4	5	39
Ferrous metal foundries	<1	67	93	310
Nonferrous metal foundries	<1	23	31	102
Custom roll forming	<1	67	123	626
Crown and closure manufacturing and metal stamping	<1	283	380	1,124
Iron and steel forging	<1	169	298	798

Appendix

Nonferrous forging	<1	218	337	1,042
Cutlery, utensil, pot, and pan manufacturing	<1	22	70	200
Handtool manufacturing	<1	196	352	742
Prefabricated metal buildings and components manufacturing	<1	151	214	773
Fabricated structural metal manufacturing	<1	479	748	2,276
Plate work manufacturing	<1	31	35	135
Metal window and door manufacturing	<1	771	1,109	2,832
Sheet metal work manufacturing	<1	691	971	2,547
Ornamental and architectural metal work manufacturing	<1	374	507	1,333
Power boiler and heat exchanger manufacturing	<1	59	91	241
Metal tank (heavy gauge) manufacturing	<1	79	105	296
Metal cans manufacturing	<1	105	271	1,153
Metal barrels, drums and pails manufacturing	<1	29	39	147
Hardware manufacturing	<1	165	281	845
Spring and wire product manufacturing	<1	155	216	636
Machine shops	<1	815	1,048	2,144
Turned product and screw, nut, and bolt manufacturing	<1	104	164	423
Metal heat treating	<1	36	57	135
Metal coating and nonprecious engraving	<1	235	456	1,053
Electroplating, anodizing, and coloring metal	<1	155	182	412
Valve and fittings, other than plumbing, manufacturing	<1	111	194	430
Plumbing fixture fitting and trim manufacturing	<1	103	335	1,053
Ball and roller bearing manufacturing	<1	188	375	894
Small arms ammunition manufacturing	<1	15	36	74
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	230	480	986
Fabricated pipe and pipe fitting manufacturing	<1	63	81	221
Other fabricated metal manufacturing	<1	184	261	747
Farm machinery and equipment manufacturing	<1	68	166	362

Appendix

Lawn and garden equipment manufacturing	<1	46	124	515
Construction machinery manufacturing	<1	77	291	667
Mining machinery and equipment manufacturing	<1	<1	<1	1
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	15	20	59
Food product machinery manufacturing	<1	5	6	17
Sawmill, woodworking, and paper machinery	<1	20	26	80
Printing machinery and equipment manufacturing	<1	7	8	29
All other industrial machinery manufacturing	<1	12	20	53
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	<1	2	3	10
Other commercial service industry machinery manufacturing	<1	49	116	273
Air purification and ventilation equipment manufacturing	<1	45	83	173
Heating equipment (except warm air furnaces) manufacturing	<1	56	125	282
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	426	1,171	2,777
Industrial mold manufacturing	<1	38	52	109
Special tool, die, jig, and fixture manufacturing	<1	18	30	54
Cutting tool and machine tool accessory manufacturing	<1	17	22	50
Machine tool manufacturing	<1	7	11	32
Rolling mill and other metalworking machinery manufacturing	<1	2	3	6
Turbine and turbine generator set units manufacturing	<1	3	4	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	44	93	217
Mechanical power transmission equipment manufacturing	<1	10	24	67
Other engine equipment manufacturing	<1	181	639	2,279

Appendix

Pump and pumping equipment manufacturing	<1	14	36	88
Air and gas compressor manufacturing	<1	1	3	8
Elevator and moving stairway manufacturing	<1	1	2	6
Conveyor and conveying equipment manufacturing	<1	7	9	23
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	5
Industrial truck, trailer, and stacker manufacturing	<1	24	54	155
Power-driven handtool manufacturing	<1	18	76	172
Welding and soldering equipment manufacturing	<1	4	8	19
Packaging machinery manufacturing	<1	6	13	28
Industrial process furnace and oven manufacturing	<1	2	3	7
Fluid power cylinder and actuator manufacturing	<1	15	29	73
Fluid power pump and motor manufacturing	<1	102	234	627
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	13	19	48
Electronic computer manufacturing	<1	11	27	77
Computer storage device manufacturing	<1	44	133	512
Computer terminals and other computer peripheral equipment manufacturing	<1	108	199	492
Telephone apparatus manufacturing	<1	<1	1	5
Broadcast and wireless communications equipment manufacturing	<1	38	66	135
Other communications equipment manufacturing	<1	12	23	66
Audio and video equipment manufacturing	<1	58	109	258
Printed circuit assembly (electronic assembly) manufacturing	<1	45	96	388
Bare printed circuit board manufacturing	<1	16	23	59
Semiconductor and related device manufacturing	<1	50	95	199

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	24	37	89
Electronic connector manufacturing	<1	48	82	255
Other electronic component manufacturing	<1	41	61	217
Electromedical and electrotherapeutic apparatus manufacturing	<1	6	13	32
Search, detection, and navigation instruments manufacturing	<1	<1	1	2
Automatic environmental control manufacturing	<1	565	808	1,546
Industrial process variable instruments manufacturing	<1	70	125	300
Totalizing fluid meter and counting device manufacturing	<1	7	17	43
Electricity and signal testing instruments manufacturing	<1	<1	2	5
Analytical laboratory instrument manufacturing	<1	8	15	28
Irradiation apparatus manufacturing	<1	3	6	11
Watch, clock, and other measuring and controlling device manufacturing	<1	9	19	44
Blank magnetic and optical recording media manufacturing	<1	18	66	160
Software and other prerecorded and record reproducing	<1	14	22	37
Electric lamp bulb and part manufacturing	<1	<1	2	7
Lighting fixture manufacturing	<1	821	1,296	2,528
Small electrical appliance manufacturing	<1	15	41	61
Household cooking appliance manufacturing	<1	122	347	1,012
Household refrigerator and home freezer manufacturing	<1	131	390	1,089
Household laundry equipment manufacturing	<1	310	674	2,563
Other major household appliance manufacturing	<1	53	172	444
Power, distribution, and specialty transformer manufacturing	<1	75	126	237
Motor and generator manufacturing	<1	165	316	806
Switchgear and switchboard apparatus manufacturing	<1	155	304	697

Appendix

Relay and industrial control manufacturing	<1	147	224	503
Storage battery manufacturing	<1	1,024	1,560	3,675
Primary battery manufacturing	<1	740	2,982	3,333
Fiber optic cable manufacturing	<1	770	1,017	3,731
Other communication and energy wire manufacturing	<1	133	228	780
Wiring device manufacturing	<1	113	253	613
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	1	3
Automobile manufacturing	<1	346	899	4,384
Light truck and utility vehicle manufacturing	<1	<1	<1	24
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	50	62	241
Truck trailer manufacturing	<1	3	4	16
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	280	306	1,592
Motor vehicle gasoline engine and engine parts manufacturing	<1	245	317	1,714
Motor vehicle electrical and electronic equipment manufacturing	<1	879	988	2,613
Motor vehicle transmission and power train parts manufacturing	<1	789	1,073	4,498
Motor vehicle seating and interior trim manufacturing	<1	39	45	270
Motor vehicle metal stamping	<1	508	586	2,502
Other motor vehicle parts manufacturing	<1	992	1,106	6,294
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	673	968	4,798
Aircraft manufacturing	<1	18	33	122
Aircraft engine and engine parts manufacturing	<1	524	819	2,828
Other aircraft parts and auxiliary equipment manufacturing	<1	60	75	206
Guided missile and space vehicle manufacturing	<1	3	4	11
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	24	31	82

Appendix

Railroad rolling stock manufacturing	<1	2	3	12
Ship building and repairing	<1	<1	1	3
Boat building	<1	241	307	1,270
Motorcycle, bicycle, and parts manufacturing	<1	16	44	177
Military armored vehicle, tank, and tank component manufacturing	<1	34	60	252
All other transportation equipment manufacturing	<1	1,886	3,241	13,641
Wood kitchen cabinet and countertop manufacturing	<1	366	593	1,291
Upholstered household furniture manufacturing	<1	143	175	573
Nonupholstered wood household furniture manufacturing	<1	69	92	248
Other household nonupholstered furniture manufacturing	<1	63	125	308
Institutional furniture manufacturing	<1	4	4	17
Wood office furniture manufacturing	<1	3	5	12
Custom architectural woodwork and millwork	<1	9	9	26
Office furniture, except wood, manufacturing	<1	32	69	194
Showcase, partition, shelving, and locker manufacturing	<1	95	166	401
Mattress manufacturing	<1	152	366	1,055
Blind and shade manufacturing	<1	45	49	137
Surgical and medical instrument manufacturing	<1	127	216	458
Surgical appliance and supplies manufacturing	<1	408	753	1,766
Dental equipment and supplies manufacturing	<1	5	8	20
Ophthalmic goods manufacturing	<1	183	331	619
Dental laboratories	<1	193	199	359
Jewelry and silverware manufacturing	<1	162	289	775
Sporting and athletic goods manufacturing	<1	87	118	399
Doll, toy, and game manufacturing	<1	167	262	618
Office supplies (except paper) manufacturing	<1	159	223	751
Sign manufacturing	<1	205	183	477
Gasket, packing, and sealing device manufacturing	<1	57	68	179

Appendix

Musical instrument manufacturing	<1	9	10	27
Fasteners, buttons, needles, and pins manufacturing	<1	221	289	733
Broom, brush, and mop manufacturing	<1	69	116	225
Burial casket manufacturing	<1	8	10	22
All other miscellaneous manufacturing	<1	451	589	1,518
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,350	5,958	11,614
Wholesale - Professional and commercial equipment and supplies	<1	11,999	20,519	32,728
Wholesale - Household appliances and electrical and electronic goods	<1	4,589	11,938	21,439
Wholesale - Machinery, equipment, and supplies	<1	4,745	10,117	16,450
Wholesale - Other durable goods merchant wholesalers	<1	8,702	16,554	29,501
Wholesale - Drugs and druggists' sundries	<1	5,441	17,398	29,570
Wholesale - Grocery and related product wholesalers	<1	7,146	10,396	19,955
Wholesale - Petroleum and petroleum products	<1	764	20,000	21,757
Wholesale - Other nondurable goods merchant wholesalers	<1	12,338	31,510	53,043
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,565	8,973	10,265
Retail - Motor vehicle and parts dealers	<1	8,207	12,867	18,947
Retail - Furniture and home furnishings stores	<1	4,946	6,146	9,766
Retail - Electronics and appliance stores	<1	5,385	5,420	8,627
Retail - Building material and garden equipment and supplies stores	<1	4,687	8,634	12,830
Retail - Food and beverage stores	<1	13,330	18,154	30,867
Retail - Health and personal care stores	<1	8,877	11,152	17,578
Retail - Gasoline stores	<1	4,258	6,827	12,847
Retail - Clothing and clothing accessories stores	<1	5,978	9,487	20,529
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,041	3,998	6,727
Retail - General merchandise stores	<1	13,185	18,959	31,923

Appendix

Retail - Miscellaneous store retailers	<1	6,861	7,985	12,688
Retail - Nonstore retailers	<1	6,936	26,220	49,630
Air transportation	<1	11,751	26,662	41,259
Rail transportation	<1	2,889	5,104	9,947
Water transportation	<1	235	343	2,566
Truck transportation	<1	23,033	28,222	60,590
Transit and ground passenger transportation	<1	3,373	3,985	10,269
Pipeline transportation	<1	2,476	4,142	4,394
Scenic and sightseeing transportation and support activities for transportation	<1	11,961	13,212	29,292
Couriers and messengers	<1	7,276	10,549	17,888
Warehousing and storage	<1	11,628	13,187	24,868
Newspaper publishers	<1	3,093	5,094	5,650
Periodical publishers	<1	2,085	3,241	4,335
Book publishers	<1	478	1,389	2,166
Directory, mailing list, and other publishers	<1	223	608	854
Greeting card publishing	0	0	0	0
Software publishers	<1	18,990	41,836	45,963
Motion picture and video industries	<1	6,885	14,929	23,492
Sound recording industries	<1	219	2,228	3,086
Radio and television broadcasting	<1	22,093	27,397	45,496
Cable and other subscription programming	<1	1,735	9,596	15,920
Wired telecommunications carriers	<1	20,232	31,177	42,240
Wireless telecommunications carriers (except satellite)	<1	6,010	27,770	48,788
Satellite, telecommunications resellers, and all other telecommunications	<1	4,732	5,285	8,149
Data processing, hosting, and related services	<1	17,267	34,391	67,385
News syndicates, libraries, archives and all other information services	<1	380	620	1,344
Internet publishing and broadcasting and web search portals	<1	17,449	39,847	96,888
Nondepository credit intermediation and related activities	<1	14,589	23,746	33,544
Securities and commodity contracts intermediation and brokerage	<1	19,893	17,056	31,089

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Monetary authorities and depository credit intermediation	<1	27,008	162,061	187,685
Other financial investment activities	<1	20,411	24,670	57,819
Direct life insurance carriers	<1	6,237	11,740	16,907
Insurance carriers, except direct life	<1	16,195	49,515	112,194
Insurance agencies, brokerages, and related activities	<1	23,269	34,835	77,708
Funds, trusts, and other financial vehicles	<1	4,231	5,648	26,410
Other real estate	2	38,633	138,659	348,465
Tenant-occupied housing	<1	3,247	59,681	66,798
Owner-occupied dwellings	0	0	188,400	239,165
Automotive equipment rental and leasing	<1	6,284	15,675	17,685
General and consumer goods rental except video tapes and discs	<1	5,002	5,639	7,325
Video tape and disc rental	<1	684	1,237	1,882
Commercial and industrial machinery and equipment rental and leasing	<1	6,741	15,625	18,176
Lessors of nonfinancial intangible assets	<1	232	18,948	19,628
Legal services	<1	51,911	87,228	117,917
Accounting, tax preparation, bookkeeping, and payroll services	<1	29,280	38,689	53,770
Architectural, engineering, and related services	6	497,121	549,320	939,707
Specialized design services	<1	4,173	6,673	9,694
Custom computer programming services	<1	9,436	9,816	13,421
Computer systems design services	<1	14,500	13,340	17,005
Other computer related services, including facilities management	<1	10,467	14,347	26,374
Management consulting services	<1	72,380	75,204	111,454
Environmental and other technical consulting services	<1	9,177	9,671	14,106
Scientific research and development services	6	575,247	774,063	1,467,463
Advertising, public relations, and related services	<1	25,639	34,924	54,960
Photographic services	<1	684	1,696	3,024
Veterinary services	<1	2,211	2,752	4,360
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,902	19,645	34,704

Appendix

Management of companies and enterprises	<1	115,098	125,945	192,377
Office administrative services	<1	27,113	8,622	26,247
Facilities support services	<1	2,494	3,559	8,306
Employment services	2	76,551	109,865	165,985
Business support services	<1	14,591	11,693	19,533
Travel arrangement and reservation services	<1	3,352	4,241	10,157
Investigation and security services	<1	9,923	9,602	14,702
Services to buildings	<1	11,169	14,946	27,843
Landscape and horticultural services	<1	7,428	8,882	16,088
Other support services	<1	4,173	5,233	10,696
Waste management and remediation services	<1	3,635	6,327	12,647
Elementary and secondary schools	<1	9,815	8,323	9,931
Junior colleges, colleges, universities, and professional schools	<1	17,731	24,106	29,710
Other educational services	<1	5,216	5,953	11,293
Offices of physicians	<1	53,728	56,947	83,655
Offices of dentists	<1	10,904	14,403	20,220
Offices of other health practitioners	<1	7,940	12,442	16,360
Outpatient care centers	<1	9,716	9,060	15,111
Medical and diagnostic laboratories	<1	3,755	5,842	8,241
Home health care services	<1	8,988	8,707	11,493
Other ambulatory health care services	<1	3,267	3,750	6,445
Hospitals	1	82,073	93,694	183,854
Nursing and community care facilities	<1	9,890	11,292	20,370
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,114	2,319	3,634
Individual and family services	<1	9,015	7,561	11,708
Child day care services	<1	6,278	8,525	12,245
Community food, housing, and other relief services, including rehabilitation services	<1	3,089	3,051	7,202
Performing arts companies	<1	1,171	1,828	3,336
Commercial Sports Except Racing	<1	4,788	2,194	5,953
Racing and Track Operation	<1	270	463	680
Independent artists, writers, and performers	<1	1,083	4,119	6,118

Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,778	5,770	11,601
Museums, historical sites, zoos, and parks	<1	553	700	1,279
Amusement parks and arcades	<1	455	1,165	1,727
Gambling industries (except casino hotels)	<1	1,969	5,250	8,672
Other amusement and recreation industries	<1	2,556	2,843	5,531
Fitness and recreational sports centers	<1	1,666	2,261	4,214
Bowling centers	<1	256	419	788
Hotels and motels, including casino hotels	<1	6,928	13,788	21,456
Other accommodations	<1	2,724	3,803	4,923
Full-service restaurants	1	27,409	41,678	72,691
Limited-service restaurants	<1	17,093	28,744	65,109
All other food and drinking places	<1	16,669	23,919	35,187
Automotive repair and maintenance, except car washes	<1	14,411	16,726	26,421
Car washes	<1	6,957	10,954	16,885
Electronic and precision equipment repair and maintenance	<1	20,090	27,661	43,949
Commercial and industrial machinery and equipment repair and maintenance	<1	5,915	6,955	10,421
Personal and household goods repair and maintenance	<1	1,974	3,836	5,671
Personal care services	<1	7,763	6,702	10,007
Death care services	<1	2,084	1,263	2,169
Dry-cleaning and laundry services	<1	4,126	2,376	3,757
Other personal services	<1	5,369	6,381	10,572
Religious organizations	<1	8,517	4,345	15,565
Grantmaking, giving, and social advocacy organizations	<1	2,341	7,547	11,632
Business and professional associations	<1	3,949	6,718	11,499
Labor and civic organizations	<1	2,640	7,505	13,568
Private households	<1	3,312	3,312	3,312
Postal service	<1	9,201	9,205	9,807
Federal electric utilities	<1	<1	1	6
Other federal government enterprises	<1	511	441	2,923
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	3,024	3,131	5,964
Local government passenger transit	<1	1,360	-198	1,073
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	153	284	521
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	359,811	446,756	1,022,056

Investments in Climate Change Research and Technology

Table 657: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Georgia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>140</i>	<i>8,318,783</i>	<i>13,240,431</i>	<i>23,896,507</i>
Oilseed farming	<1	743	868	1,089
Grain farming	<1	4,206	-699	13,020
Vegetable and melon farming	<1	3,083	4,791	8,939
Fruit farming	<1	2,057	3,507	5,092
Tree nut farming	<1	812	1,480	2,327
Greenhouse, nursery, and floriculture production	<1	1,264	1,742	3,791
Tobacco farming	<1	95	101	194
Cotton farming	<1	1,608	2,238	4,595
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,119	3,740	8,462
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,000	5,374	10,422

Appendix

Dairy cattle and milk production	<1	462	690	2,919
Poultry and egg production	<1	2,111	2,797	48,081
Animal production, except cattle and poultry and eggs	<1	5,458	5,902	8,015
Forestry, forest products, and timber tract production	<1	546	506	653
Commercial logging	<1	2,887	2,473	3,893
Commercial fishing	<1	274	767	801
Commercial hunting and trapping	<1	103	743	863
Support activities for agriculture and forestry	<1	10,963	9,928	12,550
Oil and gas extraction	<1	4,216	4,999	25,221
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,252	3,729	6,052
Sand and gravel mining	<1	1,037	1,986	3,300
Other clay, ceramic, refractory minerals mining	<1	369	646	1,007
Potash, soda, and borate mineral mining	<1	67	98	131
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	14	32	60
Other nonmetallic minerals	<1	145	262	474
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	6	7	16
Metal mining services	<1	51	72	377
Other nonmetallic minerals services	<1	7	10	49
Electric power generation - Hydroelectric	<1	140	421	826
Electric power generation - Fossil fuel	<1	326	1,303	3,264
Electric power generation - Nuclear	<1	15,439	33,926	68,349
Electric power generation - Solar	<1	48	200	445
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	142	564	1,359
Electric power generation - All other	<1	32	20	38
Electric power transmission and distribution	<1	29,156	104,729	252,277
Natural gas distribution	<1	10,129	28,114	58,331
Water, sewage and other systems	<1	3,976	8,409	15,761
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	25,731	44,086	97,591
Maintenance and repair construction of residential structures	<1	9,315	15,137	34,032
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	13	22	48
Dog and cat food manufacturing	<1	1,227	5,663	13,973
Other animal food manufacturing	<1	1,001	2,284	15,046
Flour milling	<1	506	1,430	6,937
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	223	2,183	13,127
Fats and oils refining and blending	<1	158	464	2,904
Breakfast cereal manufacturing	<1	1,735	6,699	15,501
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	193	832	2,630
Nonchocolate confectionery manufacturing	<1	849	1,749	6,205
Chocolate and confectionery manufacturing from cacao beans	<1	83	167	594
Confectionery manufacturing from purchased chocolate	<1	345	626	2,598
Frozen fruits, juices and vegetables manufacturing	<1	45	136	435
Frozen specialties manufacturing	<1	1,180	2,156	7,541
Canned fruits and vegetables manufacturing	<1	322	990	3,141
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	43	115	347
Cheese manufacturing	<1	215	407	4,018
Dry, condensed, and evaporated dairy product manufacturing	<1	292	1,142	6,101
Fluid milk manufacturing	<1	23	51	239
Creamery butter manufacturing	<1	79	677	2,692
Ice cream and frozen dessert manufacturing	<1	289	519	2,561
Frozen cakes and other pastries manufacturing	<1	2,441	3,926	7,360
Poultry processing	<1	16,101	23,463	107,781
Animal, except poultry, slaughtering	<1	2,599	3,852	28,341
Meat processed from carcasses	<1	4,370	4,444	32,583
Rendering and meat byproduct processing	<1	135	176	828
Seafood product preparation and packaging	<1	1,977	3,143	14,791
Bread and bakery product, except frozen, manufacturing	<1	7,782	13,690	28,054
Cookie and cracker manufacturing	<1	2,187	4,194	10,764
Dry pasta, mixes, and dough manufacturing	<1	516	1,815	4,675
Tortilla manufacturing	<1	792	1,183	3,670
Roasted nuts and peanut butter manufacturing	<1	848	3,807	8,858
Other snack food manufacturing	<1	1,579	5,826	15,734
Coffee and tea manufacturing	<1	479	1,305	4,036
Flavoring syrup and concentrate manufacturing	<1	1,941	29,409	40,790
Mayonnaise, dressing, and sauce manufacturing	<1	351	1,024	3,380
Spice and extract manufacturing	<1	876	2,062	7,251
All other food manufacturing	<1	1,382	2,714	11,032

Appendix

Bottled and canned soft drinks & water	<1	3,688	8,164	27,555
Manufactured ice	<1	156	155	507
Breweries	<1	4,453	13,209	25,824
Wineries	<1	249	546	1,941
Distilleries	<1	318	1,952	3,626
Tobacco product manufacturing	<1	67	2,161	3,070
Fiber, yarn, and thread mills	<1	8,544	11,114	46,182
Broadwoven fabric mills	<1	2,873	3,987	15,074
Narrow fabric mills and schiffli machine embroidery	<1	32	34	78
Nonwoven fabric mills	<1	2,067	3,241	10,741
Knit fabric mills	<1	23	26	55
Textile and fabric finishing mills	<1	410	494	1,575
Fabric coating mills	<1	32	39	194
Carpet and rug mills	<1	2,439	3,550	12,641
Curtain and linen mills	<1	368	453	1,692
Textile bag and canvas mills	<1	259	297	903
Rope, cordage, twine, tire cord and tire fabric mills	<1	811	1,103	3,297
Other textile product mills	<1	517	601	1,786
Hosiery and sock mills	<1	17	28	81
Other apparel knitting mills	<1	16	28	74
Cut and sew apparel contractors	<1	56	65	177
Mens and boys cut and sew apparel manufacturing	<1	271	272	946
Womens and girls cut and sew apparel manufacturing	<1	109	113	685
Other cut and sew apparel manufacturing	<1	148	158	665
Apparel accessories and other apparel manufacturing	<1	18	28	104
Leather and hide tanning and finishing	<1	29	23	165
Footwear manufacturing	<1	155	153	629
Other leather and allied product manufacturing	<1	9	9	27
Sawmills	<1	2,898	4,550	13,417
Wood preservation	<1	438	1,192	2,700
Veneer and plywood manufacturing	<1	1,595	2,505	5,395
Engineered wood member and truss manufacturing	<1	465	695	1,994
Reconstituted wood product manufacturing	<1	297	706	1,969
Wood windows and door manufacturing	<1	3,680	5,162	12,084

Appendix

Cut stock, resawing lumber, and planing	<1	173	315	898
Other millwork, including flooring	<1	919	1,496	4,095
Wood container and pallet manufacturing	<1	1,616	2,243	5,437
Manufactured home (mobile home) manufacturing	<1	3	3	11
Prefabricated wood building manufacturing	<1	123	173	497
All other miscellaneous wood product manufacturing	<1	352	531	1,527
Pulp mills	<1	2,060	3,892	13,020
Paper mills	<1	4,924	15,065	41,267
Paperboard mills	<1	5,353	16,407	44,876
Paperboard container manufacturing	<1	5,147	9,231	33,273
Paper bag and coated and treated paper manufacturing	<1	3,183	7,295	23,379
Stationery product manufacturing	<1	670	1,180	4,067
Sanitary paper product manufacturing	<1	1,685	6,641	16,645
All other converted paper product manufacturing	<1	254	433	1,286
Printing	<1	15,354	25,963	52,230
Support activities for printing	<1	1,924	3,099	5,359
Petroleum refineries	<1	219	2,522	12,822
Asphalt paving mixture and block manufacturing	<1	235	465	1,809
Asphalt shingle and coating materials manufacturing	<1	272	1,496	2,643
Petroleum lubricating oil and grease manufacturing	<1	397	2,195	4,308
All other petroleum and coal products manufacturing	<1	380	2,655	5,687
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	802	1,433	5,868
Synthetic dye and pigment manufacturing	<1	552	910	3,319
Other basic inorganic chemical manufacturing	<1	1,460	2,545	9,170
Other basic organic chemical manufacturing	<1	1,099	1,934	15,734
Plastics material and resin manufacturing	<1	1,872	2,704	17,788
Synthetic rubber manufacturing	<1	241	333	1,859
Artificial and synthetic fibers and filaments manufacturing	<1	1,545	2,159	12,987

Appendix

Nitrogenous fertilizer manufacturing	<1	319	624	2,195
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	111	185	820
Pesticide and other agricultural chemical manufacturing	<1	978	2,452	18,017
Medicinal and botanical manufacturing	<1	188	262	1,025
Pharmaceutical preparation manufacturing	<1	1,819	4,813	16,627
In-vitro diagnostic substance manufacturing	<1	65	84	219
Biological product (except diagnostic) manufacturing	<1	208	356	901
Paint and coating manufacturing	<1	1,943	3,172	15,904
Adhesive manufacturing	<1	622	873	4,220
Soap and other detergent manufacturing	<1	1,935	4,762	20,164
Polish and other sanitation good manufacturing	<1	1,867	2,550	9,431
Surface active agent manufacturing	<1	577	1,467	4,994
Toilet preparation manufacturing	<1	684	1,693	5,693
Printing ink manufacturing	<1	256	275	1,200
Explosives manufacturing	<1	16	17	70
Custom compounding of purchased resins	<1	1,052	1,579	6,402
Photographic film and chemical manufacturing	<1	2,021	3,834	16,386
Other miscellaneous chemical product manufacturing	<1	1,796	2,608	11,545
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,785	3,748	12,450
Unlaminated plastics profile shape manufacturing	<1	569	1,716	4,565
Plastics pipe and pipe fitting manufacturing	<1	179	698	1,839
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	330	822	2,282
Polystyrene foam product manufacturing	<1	1,524	3,291	10,182
Urethane and other foam product (except polystyrene) manufacturing	<1	434	889	3,100
Plastics bottle manufacturing	<1	877	1,754	7,531
Other plastics product manufacturing	<1	8,539	15,013	46,048

Appendix

Tire manufacturing	<1	2,079	3,860	15,856
Rubber and plastics hoses and belting manufacturing	<1	472	858	2,433
Other rubber product manufacturing	<1	1,611	2,717	8,803
Pottery, ceramics, and plumbing fixture manufacturing	<1	296	468	941
Brick, tile, and other structural clay product manufacturing	<1	414	825	1,723
Flat glass manufacturing	<1	104	261	570
Other pressed and blown glass and glassware manufacturing	<1	76	155	382
Glass container manufacturing	<1	627	1,142	2,843
Glass product manufacturing made of purchased glass	<1	498	982	2,337
Cement manufacturing	<1	266	790	1,989
Ready-mix concrete manufacturing	<1	1,270	2,479	7,539
Concrete block and brick manufacturing	<1	190	407	979
Concrete pipe manufacturing	<1	12	23	56
Other concrete product manufacturing	<1	857	1,337	2,884
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	463	1,559	3,341
Abrasive product manufacturing	<1	66	228	352
Cut stone and stone product manufacturing	<1	674	845	1,851
Ground or treated mineral and earth manufacturing	<1	368	1,224	2,374
Mineral wool manufacturing	<1	314	883	1,760
Miscellaneous nonmetallic mineral products manufacturing	<1	124	455	875
Iron and steel mills and ferroalloy manufacturing	<1	599	1,154	7,155
Iron, steel pipe and tube manufacturing from purchased steel	<1	164	287	1,270
Rolled steel shape manufacturing	<1	69	147	786
Steel wire drawing	<1	135	209	1,012
Alumina refining and primary aluminum production	<1	127	201	1,391
Secondary smelting and alloying of aluminum	<1	191	340	3,130
Aluminum sheet, plate, and foil manufacturing	<1	461	923	3,098
Other aluminum rolling, drawing and extruding	<1	835	1,230	6,240

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	197	839	3,120
Copper rolling, drawing, extruding and alloying	<1	2,762	4,111	36,488
Nonferrous metal, except copper and aluminum, shaping	<1	34	41	133
Secondary processing of other nonferrous metals	<1	4	7	41
Ferrous metal foundries	<1	481	754	2,285
Nonferrous metal foundries	<1	74	107	343
Custom roll forming	<1	146	280	1,393
Crown and closure manufacturing and metal stamping	<1	752	1,016	3,119
Iron and steel forging	<1	300	539	1,455
Nonferrous forging	<1	334	531	1,712
Cutlery, utensil, pot, and pan manufacturing	<1	54	168	507
Handtool manufacturing	<1	365	658	1,461
Prefabricated metal buildings and components manufacturing	<1	225	358	1,211
Fabricated structural metal manufacturing	<1	1,304	2,122	6,467
Plate work manufacturing	<1	87	100	390
Metal window and door manufacturing	<1	1,118	1,647	4,305
Sheet metal work manufacturing	<1	2,648	3,779	10,239
Ornamental and architectural metal work manufacturing	<1	605	846	2,299
Power boiler and heat exchanger manufacturing	<1	161	244	623
Metal tank (heavy gauge) manufacturing	<1	152	207	603
Metal cans manufacturing	<1	273	711	3,056
Metal barrels, drums and pails manufacturing	<1	109	143	580
Hardware manufacturing	<1	488	850	2,613
Spring and wire product manufacturing	<1	238	352	995
Machine shops	<1	2,149	2,787	5,873
Turned product and screw, nut, and bolt manufacturing	<1	577	930	2,466
Metal heat treating	<1	105	167	394
Metal coating and nonprecious engraving	<1	1,040	2,060	4,702
Electroplating, anodizing, and coloring metal	<1	468	554	1,259
Valve and fittings, other than plumbing, manufacturing	<1	318	552	1,253

Appendix

Plumbing fixture fitting and trim manufacturing	<1	244	797	2,586
Ball and roller bearing manufacturing	<1	533	1,101	2,742
Small arms ammunition manufacturing	<1	41	97	219
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	514	1,080	2,440
Fabricated pipe and pipe fitting manufacturing	<1	223	298	787
Other fabricated metal manufacturing	<1	394	564	1,662
Farm machinery and equipment manufacturing	<1	159	391	832
Lawn and garden equipment manufacturing	<1	84	210	990
Construction machinery manufacturing	<1	150	499	1,295
Mining machinery and equipment manufacturing	<1	<1	1	4
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	12	16	52
Food product machinery manufacturing	<1	11	14	41
Sawmill, woodworking, and paper machinery	<1	59	72	238
Printing machinery and equipment manufacturing	<1	10	12	44
All other industrial machinery manufacturing	<1	35	56	149
Optical instrument and lens manufacturing	<1	1	3	8
Photographic and photocopying equipment manufacturing	<1	3	5	15
Other commercial service industry machinery manufacturing	<1	125	277	680
Air purification and ventilation equipment manufacturing	<1	61	104	224
Heating equipment (except warm air furnaces) manufacturing	<1	200	416	1,075
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,620	4,152	10,830
Industrial mold manufacturing	<1	23	31	68
Special tool, die, jig, and fixture manufacturing	<1	35	58	109

Appendix

Cutting tool and machine tool accessory manufacturing	<1	52	66	156
Machine tool manufacturing	<1	16	25	72
Rolling mill and other metalworking machinery manufacturing	<1	6	8	18
Turbine and turbine generator set units manufacturing	<1	5	8	27
Speed changer, industrial high-speed drive, and gear manufacturing	<1	106	210	571
Mechanical power transmission equipment manufacturing	<1	20	44	133
Other engine equipment manufacturing	<1	304	949	4,501
Pump and pumping equipment manufacturing	<1	34	83	216
Air and gas compressor manufacturing	<1	5	14	31
Elevator and moving stairway manufacturing	<1	10	18	48
Conveyor and conveying equipment manufacturing	<1	16	20	55
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	6	15
Industrial truck, trailer, and stacker manufacturing	<1	94	203	618
Power-driven handtool manufacturing	<1	17	72	183
Welding and soldering equipment manufacturing	<1	8	16	45
Packaging machinery manufacturing	<1	13	25	59
Industrial process furnace and oven manufacturing	<1	4	5	12
Fluid power cylinder and actuator manufacturing	<1	36	65	162
Fluid power pump and motor manufacturing	<1	92	205	580
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	26	38	103
Electronic computer manufacturing	<1	22	55	158
Computer storage device manufacturing	<1	55	167	639
Computer terminals and other computer peripheral equipment manufacturing	<1	220	417	1,037
Telephone apparatus manufacturing	<1	6	11	33

Appendix

Broadcast and wireless communications equipment manufacturing	<1	118	205	438
Other communications equipment manufacturing	<1	27	54	140
Audio and video equipment manufacturing	<1	82	158	389
Printed circuit assembly (electronic assembly) manufacturing	<1	182	405	1,632
Bare printed circuit board manufacturing	<1	67	98	232
Semiconductor and related device manufacturing	<1	101	208	484
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	49	77	194
Electronic connector manufacturing	<1	174	308	960
Other electronic component manufacturing	<1	201	310	1,090
Electromedical and electrotherapeutic apparatus manufacturing	<1	11	25	65
Search, detection, and navigation instruments manufacturing	1	149,110	269,135	522,394
Automatic environmental control manufacturing	<1	412	598	1,168
Industrial process variable instruments manufacturing	<1	380	688	1,660
Totalizing fluid meter and counting device manufacturing	<1	42	119	280
Electricity and signal testing instruments manufacturing	<1	403	728	1,984
Analytical laboratory instrument manufacturing	<1	32,480	65,271	109,970
Irradiation apparatus manufacturing	<1	25	57	108
Watch, clock, and other measuring and controlling device manufacturing	<1	14	30	69
Blank magnetic and optical recording media manufacturing	<1	14	51	149
Software and other prerecorded and record reproducing	<1	29	47	96
Electric lamp bulb and part manufacturing	<1	2	4	15
Lighting fixture manufacturing	<1	921	1,469	2,976
Small electrical appliance manufacturing	<1	28	69	120

Appendix

Household cooking appliance manufacturing	<1	319	791	2,474
Household refrigerator and home freezer manufacturing	<1	344	886	2,662
Household laundry equipment manufacturing	<1	823	1,603	6,417
Other major household appliance manufacturing	<1	136	375	1,048
Power, distribution, and specialty transformer manufacturing	<1	178	291	597
Motor and generator manufacturing	<1	605	1,121	2,918
Switchgear and switchboard apparatus manufacturing	<1	249	459	1,139
Relay and industrial control manufacturing	<1	579	859	2,018
Storage battery manufacturing	<1	1,309	2,049	5,048
Primary battery manufacturing	<1	1,751	3,830	7,784
Fiber optic cable manufacturing	<1	463	606	2,584
Other communication and energy wire manufacturing	<1	238	398	1,431
Wiring device manufacturing	<1	323	689	1,839
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	8
Automobile manufacturing	<1	1,128	3,156	15,338
Light truck and utility vehicle manufacturing	<1	6	14	233
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	212	272	987
Truck trailer manufacturing	<1	16	21	88
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,177	1,327	6,756
Motor vehicle gasoline engine and engine parts manufacturing	<1	675	971	4,844
Motor vehicle electrical and electronic equipment manufacturing	<1	3,664	4,660	13,612
Motor vehicle transmission and power train parts manufacturing	<1	1,366	1,968	9,809
Motor vehicle seating and interior trim manufacturing	<1	256	311	1,831
Motor vehicle metal stamping	<1	2,324	2,811	12,482
Other motor vehicle parts manufacturing	<1	3,748	5,115	24,407

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,911	2,903	14,722
Aircraft manufacturing	<1	284	612	2,085
Aircraft engine and engine parts manufacturing	<1	926	1,628	5,773
Other aircraft parts and auxiliary equipment manufacturing	<1	77,656	108,492	290,949
Guided missile and space vehicle manufacturing	<1	7	9	28
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	9	11	32
Railroad rolling stock manufacturing	<1	8	9	46
Ship building and repairing	<1	3	3	8
Boat building	<1	993	1,259	5,360
Motorcycle, bicycle, and parts manufacturing	<1	29	76	320
Military armored vehicle, tank, and tank component manufacturing	<1	144	252	1,318
All other transportation equipment manufacturing	<1	4,708	7,548	34,007
Wood kitchen cabinet and countertop manufacturing	<1	1,145	2,034	4,386
Upholstered household furniture manufacturing	<1	265	324	1,071
Nonupholstered wood household furniture manufacturing	<1	177	245	668
Other household nonupholstered furniture manufacturing	<1	163	326	849
Institutional furniture manufacturing	<1	16	19	74
Wood office furniture manufacturing	<1	20	35	86
Custom architectural woodwork and millwork	<1	22	23	70
Office furniture, except wood, manufacturing	<1	440	1,018	2,746
Showcase, partition, shelving, and locker manufacturing	<1	285	544	1,312
Mattress manufacturing	<1	423	1,045	3,078
Blind and shade manufacturing	<1	131	143	401
Surgical and medical instrument manufacturing	<1	270	447	1,044
Surgical appliance and supplies manufacturing	<1	770	1,348	3,455
Dental equipment and supplies manufacturing	<1	10	16	41

Appendix

Ophthalmic goods manufacturing	<1	433	738	1,473
Dental laboratories	<1	400	412	751
Jewelry and silverware manufacturing	<1	480	834	2,291
Sporting and athletic goods manufacturing	<1	232	307	1,141
Doll, toy, and game manufacturing	<1	353	514	1,316
Office supplies (except paper) manufacturing	<1	512	691	2,653
Sign manufacturing	<1	821	697	1,886
Gasket, packing, and sealing device manufacturing	<1	196	231	634
Musical instrument manufacturing	<1	12	13	36
Fasteners, buttons, needles, and pins manufacturing	<1	461	579	1,497
Broom, brush, and mop manufacturing	<1	149	189	490
Burial casket manufacturing	<1	46	54	138
All other miscellaneous manufacturing	<1	769	977	2,717
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,397	16,348	31,712
Wholesale - Professional and commercial equipment and supplies	<1	26,825	46,110	74,698
Wholesale - Household appliances and electrical and electronic goods	<1	18,302	49,145	88,928
Wholesale - Machinery, equipment, and supplies	<1	15,873	34,502	55,951
Wholesale - Other durable goods merchant wholesalers	<1	24,497	46,874	84,069
Wholesale - Drugs and druggists' sundries	<1	14,334	47,280	81,871
Wholesale - Grocery and related product wholesalers	<1	24,706	36,347	70,408
Wholesale - Petroleum and petroleum products	<1	3,424	62,043	69,672
Wholesale - Other nondurable goods merchant wholesalers	<1	35,106	85,360	148,936
Wholesale - Wholesale electronic markets and agents and brokers	<1	28,772	30,143	34,674
Retail - Motor vehicle and parts dealers	<1	24,731	38,725	57,613
Retail - Furniture and home furnishings stores	<1	13,864	17,219	27,947
Retail - Electronics and appliance stores	<1	15,505	15,253	25,010

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Retail - Building material and garden equipment and supplies stores	<1	13,844	25,552	38,310
Retail - Food and beverage stores	1	34,548	47,669	83,164
Retail - Health and personal care stores	<1	25,940	32,434	51,445
Retail - Gasoline stores	<1	12,688	21,692	43,348
Retail - Clothing and clothing accessories stores	<1	16,240	26,277	59,355
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,584	11,304	19,585
Retail - General merchandise stores	1	41,102	58,601	99,200
Retail - Miscellaneous store retailers	<1	18,334	21,575	35,925
Retail - Nonstore retailers	<1	19,024	67,793	132,991
Air transportation	<1	32,030	68,075	109,372
Rail transportation	<1	9,152	19,440	34,868
Water transportation	<1	558	804	6,377
Truck transportation	2	104,615	131,305	288,681
Transit and ground passenger transportation	1	5,575	6,438	18,167
Pipeline transportation	<1	20,676	25,702	27,159
Scenic and sightseeing transportation and support activities for transportation	<1	38,542	42,414	93,077
Couriers and messengers	<1	20,021	28,816	49,616
Warehousing and storage	<1	39,007	44,188	85,042
Newspaper publishers	<1	9,504	15,384	17,451
Periodical publishers	<1	4,289	6,544	9,447
Book publishers	<1	26,107	76,119	120,867
Directory, mailing list, and other publishers	<1	1,042	2,662	3,775
Greeting card publishing	0	0	0	0
Software publishers	<1	35,345	76,135	84,844
Motion picture and video industries	<1	14,556	30,833	59,830
Sound recording industries	<1	643	5,987	9,262
Radio and television broadcasting	<1	40,190	54,234	129,374
Cable and other subscription programming	<1	1,842	15,916	33,880
Wired telecommunications carriers	<1	57,341	91,751	127,848
Wireless telecommunications carriers (except satellite)	<1	15,704	68,885	127,065

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Satellite, telecommunications resellers, and all other telecommunications	<1	11,205	13,248	22,245
Data processing, hosting, and related services	<1	28,040	56,375	135,132
News syndicates, libraries, archives and all other information services	<1	807	1,267	3,039
Internet publishing and broadcasting and web search portals	<1	19,030	44,303	176,011
Nondepository credit intermediation and related activities	<1	36,671	58,393	88,382
Securities and commodity contracts intermediation and brokerage	<1	48,752	43,457	94,723
Monetary authorities and depository credit intermediation	<1	86,803	480,310	589,537
Other financial investment activities	<1	38,187	48,029	137,764
Direct life insurance carriers	<1	20,242	36,005	55,253
Insurance carriers, except direct life	<1	46,103	129,484	321,027
Insurance agencies, brokerages, and related activities	<1	75,164	109,643	256,317
Funds, trusts, and other financial vehicles	<1	10,358	13,335	74,665
Other real estate	7	118,050	439,198	1,233,700
Tenant-occupied housing	<1	8,377	141,089	163,674
Owner-occupied dwellings	0	0	461,924	586,392
Automotive equipment rental and leasing	<1	10,902	36,489	43,992
General and consumer goods rental except video tapes and discs	<1	16,262	20,185	28,015
Video tape and disc rental	<1	1,912	3,545	5,430
Commercial and industrial machinery and equipment rental and leasing	<1	14,030	40,266	48,513
Lessors of nonfinancial intangible assets	<1	685	50,184	52,223
Legal services	2	156,908	256,366	355,395
Accounting, tax preparation, bookkeeping, and payroll services	<1	68,271	85,547	124,630
Architectural, engineering, and related services	<1	69,662	74,533	131,246
Specialized design services	<1	6,255	9,116	14,457
Custom computer programming services	<1	43,061	45,399	64,653

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Computer systems design services	<1	36,539	33,339	43,561
Other computer related services, including facilities management	<1	18,875	25,999	49,991
Management consulting services	2	145,323	149,935	232,211
Environmental and other technical consulting services	<1	14,482	15,079	22,542
Scientific research and development services	20	1,657,401	2,311,148	4,519,417
Advertising, public relations, and related services	<1	68,386	89,554	152,196
Photographic services	<1	1,720	3,732	7,387
Veterinary services	<1	6,081	7,232	11,926
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	26,778	45,202	87,288
Management of companies and enterprises	2	352,915	384,127	610,552
Office administrative services	<1	35,466	10,519	36,048
Facilities support services	<1	4,954	7,113	18,592
Employment services	5	162,883	228,372	370,838
Business support services	<1	44,372	34,755	62,651
Travel arrangement and reservation services	<1	9,696	12,240	30,103
Investigation and security services	<1	23,488	22,540	36,536
Services to buildings	1	34,686	45,631	91,069
Landscape and horticultural services	<1	24,555	29,133	55,058
Other support services	<1	12,253	15,270	33,002
Waste management and remediation services	<1	11,762	20,481	41,789
Elementary and secondary schools	<1	20,042	17,145	20,858
Junior colleges, colleges, universities, and professional schools	31	1,656,282	2,260,547	2,887,752
Other educational services	<1	14,852	16,791	33,263
Offices of physicians	2	152,054	159,864	235,995
Offices of dentists	<1	29,730	38,237	54,574
Offices of other health practitioners	<1	22,803	34,322	45,688
Outpatient care centers	<1	24,799	22,868	37,983
Medical and diagnostic laboratories	<1	10,070	15,074	21,951
Home health care services	<1	25,697	24,696	32,717
Other ambulatory health care services	<1	8,860	10,015	17,475

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Hospitals	2	186,921	215,406	429,513
Nursing and community care facilities	<1	25,226	28,757	53,950
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,578	5,009	8,078
Individual and family services	<1	20,640	16,893	26,818
Child day care services	<1	15,635	20,289	30,385
Community food, housing, and other relief services, including rehabilitation services	<1	6,527	6,401	15,760
Performing arts companies	<1	2,396	3,880	7,956
Commercial Sports Except Racing	<1	11,586	5,689	15,872
Racing and Track Operation	<1	627	1,120	1,916
Independent artists, writers, and performers	<1	2,077	9,313	14,281
Promoters of performing arts and sports and agents for public figures	<1	5,991	13,239	29,240
Museums, historical sites, zoos, and parks	<1	1,361	1,737	3,293
Amusement parks and arcades	<1	1,034	3,142	4,732
Gambling industries (except casino hotels)	<1	4,682	12,527	21,559
Other amusement and recreation industries	<1	6,641	7,714	15,730
Fitness and recreational sports centers	<1	3,762	5,405	10,537
Bowling centers	<1	674	1,150	2,246
Hotels and motels, including casino hotels	<1	13,579	27,995	44,656
Other accommodations	<1	4,261	6,026	7,995
Full-service restaurants	3	69,247	102,886	187,364
Limited-service restaurants	3	44,797	73,909	177,589
All other food and drinking places	1	40,714	58,358	89,123
Automotive repair and maintenance, except car washes	<1	37,787	47,167	74,674
Car washes	<1	18,085	28,769	44,882
Electronic and precision equipment repair and maintenance	3	170,280	228,679	382,027
Commercial and industrial machinery and equipment repair and maintenance	<1	17,543	21,073	32,696
Personal and household goods repair and maintenance	<1	5,304	10,946	16,355
Personal care services	<1	18,891	17,345	25,892
Death care services	<1	4,593	3,610	5,853

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Dry-cleaning and laundry services	<1	11,482	8,580	12,788
Other personal services	<1	13,085	15,877	26,784
Religious organizations	<1	19,736	13,217	39,557
Grantmaking, giving, and social advocacy organizations	<1	4,548	16,445	25,155
Business and professional associations	<1	9,554	17,621	30,689
Labor and civic organizations	<1	5,545	17,506	30,730
Private households	<1	8,040	8,040	8,040
Postal service	<1	25,152	25,158	26,858
Federal electric utilities	<1	11	16	83
Other federal government enterprises	<1	12,392	8,932	67,131
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	32,480	35,784	74,905
Local government passenger transit	<1	3,416	-372	4,673
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	605	1,263	2,313
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	254,724	399,957	914,993

Hawaii

NASA

Table 658: Detailed NASA Impacts by Types of Impact, Hawaii

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	354	23,755,987	33,603,554	64,800,115
Oilseed farming	<1	53	73	740
Grain farming	1	25,667	10,507	148,275
Vegetable and melon farming	<1	15,533	19,612	33,042
Fruit farming	1	22,962	28,613	39,581
Tree nut farming	<1	11,757	15,175	19,712
Greenhouse, nursery, and floriculture production	<1	19,416	22,058	27,358
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	57	62	89
All other crop farming	<1	766	827	1,128
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,122	7,826	45,507
Dairy cattle and milk production	<1	73	120	710
Poultry and egg production	<1	893	1,191	7,251
Animal production, except cattle and poultry and eggs	3	35,031	66,312	143,212
Forestry, forest products, and timber tract production	<1	3,104	3,093	3,764
Commercial logging	<1	1,281	1,355	1,811
Commercial fishing	<1	2,457	2,104	8,791
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	1	46,518	36,074	48,757
Oil and gas extraction	<1	471	232	23,502
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,096	9,221	15,694
Sand and gravel mining	<1	1,951	3,801	6,721

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	1,688	2,903	5,068
Drilling oil and gas wells	<1	<1	<1	3
Support activities for oil and gas operations	<1	1	1	18
Metal mining services	<1	25	33	1,696
Other nonmetallic minerals services	<1	<1	<1	44
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	4,216	15,209	41,013
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	70	249	596
Electric power generation - Wind	<1	53	394	648
Electric power generation - Geothermal	<1	781	1,641	3,273
Electric power generation - Biomass	<1	832	3,454	9,195
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	6,469	20,360	59,470
Natural gas distribution	<1	20,711	56,172	130,725
Water, sewage and other systems	<1	5,636	10,913	19,481
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	101,293	167,029	306,652
Maintenance and repair construction of residential structures	<1	40,966	65,326	121,556
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	45	74	137
Dog and cat food manufacturing	<1	779	1,414	9,176
Other animal food manufacturing	<1	4,710	7,888	69,306
Flour milling	0	0	0	0
Rice milling	<1	179	228	3,809
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	98	298	10,834
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	468	748	7,781
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	349	438	3,627
Chocolate and confectionery manufacturing from cacao beans	<1	343	426	3,110
Confectionery manufacturing from purchased chocolate	<1	5,146	5,839	34,155
Frozen fruits, juices and vegetables manufacturing	<1	308	416	3,846
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	1,579	2,218	15,364
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	65	85	737
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	4,728	5,688	45,088
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3,786	4,353	22,474
Frozen cakes and other pastries manufacturing	<1	7,579	11,720	19,562

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Poultry processing	<1	2,333	2,579	12,028
Animal, except poultry, slaughtering	<1	5,479	6,296	62,393
Meat processed from carcasses	<1	15,385	14,585	131,209
Rendering and meat byproduct processing	<1	580	660	3,603
Seafood product preparation and packaging	<1	363	391	2,482
Bread and bakery product, except frozen, manufacturing	<1	32,113	40,916	111,280
Cookie and cracker manufacturing	<1	11,474	13,257	65,461
Dry pasta, mixes, and dough manufacturing	<1	1,100	1,612	11,942
Tortilla manufacturing	<1	157	174	916
Roasted nuts and peanut butter manufacturing	<1	3,049	4,938	26,313
Other snack food manufacturing	<1	3,338	4,681	25,172
Coffee and tea manufacturing	<1	2,569	3,373	29,425
Flavoring syrup and concentrate manufacturing	<1	258	929	5,350
Mayonnaise, dressing, and sauce manufacturing	<1	337	460	3,189
Spice and extract manufacturing	<1	334	417	2,848
All other food manufacturing	<1	8,942	10,726	79,675
Bottled and canned soft drinks & water	<1	18,521	22,834	118,092
Manufactured ice	<1	1,126	383	2,428
Breweries	<1	3,695	5,645	19,713
Wineries	<1	1,119	1,386	5,843
Distilleries	<1	1,678	5,496	16,304
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	105	101	383
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	440	432	1,362
Textile bag and canvas mills	<1	197	194	553
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	220	219	844
Hosiery and sock mills	<1	37	74	141

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Other apparel knitting mills	<1	60	117	222
Cut and sew apparel contractors	<1	470	570	1,515
Mens and boys cut and sew apparel manufacturing	<1	358	383	1,377
Womens and girls cut and sew apparel manufacturing	<1	251	273	2,223
Other cut and sew apparel manufacturing	<1	29	60	147
Apparel accessories and other apparel manufacturing	<1	32	66	151
Leather and hide tanning and finishing	<1	10	9	86
Footwear manufacturing	<1	38	39	197
Other leather and allied product manufacturing	<1	4	4	17
Sawmills	<1	609	382	4,862
Wood preservation	<1	205	-10	2,543
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,284	932	7,169
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	3,442	2,599	17,280
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	494	310	2,417
Wood container and pallet manufacturing	<1	297	224	1,292
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	<1	11	7	87
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	4,236	5,031	28,540
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

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Printing	<1	20,948	36,142	82,372
Support activities for printing	0	0	0	0
Petroleum refineries	<1	10,919	90,526	338,006
Asphalt paving mixture and block manufacturing	<1	385	643	2,311
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	3,142	5,009	22,002
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	1,530	2,232	9,956
Other basic organic chemical manufacturing	<1	1,986	3,207	36,527
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	732	1,282	6,006
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	358	525	2,266
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	4	9	41
In-vitro diagnostic substance manufacturing	<1	66	79	241
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	3,036	5,924	41,256
Polish and other sanitation good manufacturing	<1	1,156	1,464	5,728
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	652	1,476	5,950
Printing ink manufacturing	0	0	0	0

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	207	275	1,595
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	891	1,181	6,273
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	506	685	3,002
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	715	940	4,902
Other plastics product manufacturing	<1	3,482	4,260	16,287
Tire manufacturing	<1	3,479	4,385	22,465
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	91	123	387
Brick, tile, and other structural clay product manufacturing	<1	88	136	461
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	3,618	5,598	15,168
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	568	859	2,376
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	7,241	10,882	31,680
Concrete block and brick manufacturing	<1	1,799	2,831	7,203
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	3,041	3,903	8,166
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

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Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	994	1,129	2,361
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	927	1,789	3,386
Miscellaneous nonmetallic mineral products manufacturing	<1	704	1,580	2,911
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	617	198	3,081
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	273	542	1,739
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	240	304	1,120
Fabricated structural metal manufacturing	<1	1,812	2,378	8,834
Plate work manufacturing	<1	980	1,051	3,484
Metal window and door manufacturing	<1	783	971	3,125
Sheet metal work manufacturing	<1	507	616	1,891

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Ornamental and architectural metal work manufacturing	<1	519	622	2,243
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	369	675	4,768
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	123	171	657
Spring and wire product manufacturing	<1	396	495	1,869
Machine shops	<1	774	898	2,524
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	451	677	2,201
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	185	79	1,644
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	1	<1	6
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	<1	258	186	1,179
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	9	20	108
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	6
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	2	3	16
Electromedical and electrotherapeutic apparatus manufacturing	<1	9	18	49
Search, detection, and navigation instruments manufacturing	<1	2	3	8
Automatic environmental control manufacturing	0	0	0	0

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Industrial process variable instruments manufacturing	<1	33	53	149
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	1	2	6
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	9	16	46
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	12	18	56
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	43	28	157
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	113	53	534
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	7	21	501

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	8
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	63	111	494
Motor vehicle transmission and power train parts manufacturing	<1	18	28	661
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	16	21	380
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	2,726	3,244	7,666
Boat building	<1	2,784	3,634	12,937
Motorcycle, bicycle, and parts manufacturing	<1	2	4	11
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	2,079	1,382	5,418
Upholstered household furniture manufacturing	0	0	0	0

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Nonupholstered wood household furniture manufacturing	<1	1,039	865	3,023
Other household nonupholstered furniture manufacturing	<1	75	50	360
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	191	138	684
Custom architectural woodwork and millwork	<1	14	12	42
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	188	51	975
Blind and shade manufacturing	<1	74	71	277
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	15	15	98
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	17	17	78
Dental laboratories	<1	347	350	843
Jewelry and silverware manufacturing	<1	4,486	5,576	21,152
Sporting and athletic goods manufacturing	<1	219	223	1,700
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	1,034	1,044	6,676
Sign manufacturing	<1	984	776	3,267
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	533	522	2,133
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2,016	2,130	10,981
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,775	16,060	44,131
Wholesale - Professional and commercial equipment and supplies	<1	36,549	50,734	100,293

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Wholesale - Household appliances and electrical and electronic goods	<1	11,414	21,645	55,586
Wholesale - Machinery, equipment, and supplies	<1	20,943	34,185	66,204
Wholesale - Other durable goods merchant wholesalers	<1	71,468	103,758	222,891
Wholesale - Drugs and druggists' sundries	<1	31,423	70,199	177,759
Wholesale - Grocery and related product wholesalers	1	70,274	86,352	193,239
Wholesale - Petroleum and petroleum products	<1	20,349	142,599	181,528
Wholesale - Other nondurable goods merchant wholesalers	2	109,034	182,195	406,808
Wholesale - Wholesale electronic markets and agents and brokers	<1	25,838	26,494	32,696
Retail - Motor vehicle and parts dealers	<1	56,865	106,460	143,743
Retail - Furniture and home furnishings stores	<1	30,916	47,377	70,716
Retail - Electronics and appliance stores	<1	32,881	42,465	64,297
Retail - Building material and garden equipment and supplies stores	<1	33,962	75,527	103,499
Retail - Food and beverage stores	3	124,565	185,774	273,544
Retail - Health and personal care stores	2	72,988	102,424	153,057
Retail - Gasoline stores	<1	21,112	43,093	69,804
Retail - Clothing and clothing accessories stores	2	61,987	109,750	182,276
Retail - Sporting goods, hobby, musical instrument and book stores	<1	31,512	47,170	68,834
Retail - General merchandise stores	3	111,577	191,195	277,416
Retail - Miscellaneous store retailers	2	64,612	85,150	118,878
Retail - Nonstore retailers	3	29,364	122,725	336,404
Air transportation	<1	78,276	257,228	388,984
Rail transportation	<1	-71	-87	28
Water transportation	<1	24,372	35,216	146,876
Truck transportation	<1	56,184	81,470	150,178
Transit and ground passenger transportation	3	67,059	87,248	118,432
Pipeline transportation	<1	495	2,378	2,631
Scenic and sightseeing transportation and support activities for transportation	3	168,047	184,630	390,236

Appendix

Couriers and messengers	<1	35,169	55,299	82,886
Warehousing and storage	<1	15,679	17,366	38,882
Newspaper publishers	<1	21,782	41,157	49,235
Periodical publishers	<1	11,491	19,964	32,917
Book publishers	<1	1,210	4,395	8,110
Directory, mailing list, and other publishers	<1	1,718	5,579	7,890
Greeting card publishing	<1	1,218	3,896	5,165
Software publishers	<1	9,983	25,856	29,451
Motion picture and video industries	<1	48,718	96,356	191,037
Sound recording industries	<1	340	2,828	7,186
Radio and television broadcasting	<1	81,817	92,743	212,584
Cable and other subscription programming	<1	13	92	591
Wired telecommunications carriers	<1	88,639	172,034	315,151
Wireless telecommunications carriers (except satellite)	<1	23,524	135,843	379,021
Satellite, telecommunications resellers, and all other telecommunications	<1	4,245	5,634	16,964
Data processing, hosting, and related services	<1	16,779	31,437	104,086
News syndicates, libraries, archives and all other information services	<1	4,790	8,334	16,353
Internet publishing and broadcasting and web search portals	<1	14,924	35,713	122,497
Nondepository credit intermediation and related activities	<1	47,088	59,072	91,341
Securities and commodity contracts intermediation and brokerage	2	82,922	79,066	221,464
Monetary authorities and depository credit intermediation	3	291,760	665,739	1,217,097
Other financial investment activities	1	40,157	51,973	209,968
Direct life insurance carriers	<1	12,883	25,491	39,029
Insurance carriers, except direct life	2	165,435	539,477	1,175,515
Insurance agencies, brokerages, and related activities	2	114,894	179,791	446,001
Funds, trusts, and other financial vehicles	<1	25,745	33,522	160,128
Other real estate	20	806,906	2,350,983	4,750,775
Tenant-occupied housing	1	44,238	657,710	710,039

Appendix

Owner-occupied dwellings	0	0	1,858,424	2,359,188
Automotive equipment rental and leasing	<1	28,827	163,479	199,510
General and consumer goods rental except video tapes and discs	<1	18,411	41,075	60,209
Video tape and disc rental	<1	5,100	10,440	14,988
Commercial and industrial machinery and equipment rental and leasing	<1	25,454	111,639	139,789
Lessors of nonfinancial intangible assets	<1	1,475	42,501	49,546
Legal services	7	542,080	874,618	1,262,868
Accounting, tax preparation, bookkeeping, and payroll services	2	128,657	159,568	248,749
Architectural, engineering, and related services	3	268,538	290,626	523,050
Specialized design services	<1	11,427	17,113	26,990
Custom computer programming services	<1	22,881	24,802	35,524
Computer systems design services	<1	47,406	43,447	58,864
Other computer related services, including facilities management	<1	54,403	64,888	151,268
Management consulting services	9	710,594	740,637	1,223,713
Environmental and other technical consulting services	1	101,984	106,992	167,520
Scientific research and development services	129	11,008,101	11,856,515	25,795,228
Advertising, public relations, and related services	1	62,743	86,584	183,480
Photographic services	<1	5,192	12,161	23,400
Veterinary services	<1	21,645	25,590	38,870
Marketing research and all other miscellaneous professional, scientific, and technical services	1	74,614	121,564	255,925
Management of companies and enterprises	9	1,082,818	1,197,902	2,038,770
Office administrative services	<1	15,001	3,289	12,394
Facilities support services	<1	23,445	29,656	57,927
Employment services	12	539,033	677,831	1,036,514
Business support services	<1	30,745	25,845	45,687
Travel arrangement and reservation services	<1	43,205	51,515	135,793
Investigation and security services	2	84,747	82,681	119,753
Services to buildings	3	112,837	141,217	261,594
Landscape and horticultural services	3	108,355	126,903	223,172

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Other support services	<1	24,860	29,717	55,951
Waste management and remediation services	<1	48,832	87,656	149,139
Elementary and secondary schools	2	92,079	92,654	104,103
Junior colleges, colleges, universities, and professional schools	5	185,262	310,799	419,810
Other educational services	1	36,523	45,318	89,796
Offices of physicians	3	389,614	411,891	564,067
Offices of dentists	1	91,662	112,709	159,789
Offices of other health practitioners	1	73,339	103,194	136,293
Outpatient care centers	2	140,441	129,521	205,232
Medical and diagnostic laboratories	<1	35,606	49,690	72,546
Home health care services	2	76,128	73,912	95,742
Other ambulatory health care services	<1	23,431	26,074	39,573
Hospitals	5	584,801	665,609	1,143,120
Nursing and community care facilities	2	96,810	96,231	159,094
Residential mental retardation, mental health, substance abuse and other facilities	<1	19,483	19,368	30,099
Individual and family services	4	133,846	123,326	177,124
Child day care services	1	51,041	81,701	101,564
Community food, housing, and other relief services, including rehabilitation services	<1	36,943	40,517	81,543
Performing arts companies	<1	26,768	38,136	67,776
Commercial Sports Except Racing	<1	3,467	3,856	5,916
Racing and Track Operation	<1	721	1,197	1,930
Independent artists, writers, and performers	1	36,004	91,162	144,267
Promoters of performing arts and sports and agents for public figures	<1	9,729	15,650	34,756
Museums, historical sites, zoos, and parks	<1	15,579	19,613	36,381
Amusement parks and arcades	<1	3,050	15,305	17,540
Gambling industries (except casino hotels)	<1	35,664	86,984	117,025
Other amusement and recreation industries	<1	32,580	41,090	62,880
Fitness and recreational sports centers	<1	14,051	28,784	39,526
Bowling centers	<1	3,028	6,889	8,980

Appendix

Hotels and motels, including casino hotels	1	59,639	146,084	185,805
Other accommodations	<1	2,629	4,830	6,127
Full-service restaurants	6	238,071	331,336	505,647
Limited-service restaurants	5	148,704	232,646	449,487
All other food and drinking places	3	108,610	260,456	328,944
Automotive repair and maintenance, except car washes	3	166,233	179,709	257,244
Car washes	<1	60,632	110,025	151,564
Electronic and precision equipment repair and maintenance	2	138,749	145,012	252,673
Commercial and industrial machinery and equipment repair and maintenance	<1	37,921	27,981	45,738
Personal and household goods repair and maintenance	<1	23,488	35,235	51,660
Personal care services	2	66,626	48,088	66,606
Death care services	<1	18,015	3,547	8,392
Dry-cleaning and laundry services	2	59,020	8,629	21,688
Other personal services	2	55,900	69,783	99,041
Religious organizations	2	125,147	13,811	142,594
Grantmaking, giving, and social advocacy organizations	1	81,875	168,784	274,315
Business and professional associations	<1	16,480	22,374	42,415
Labor and civic organizations	1	56,757	108,317	198,711
Private households	1	20,544	20,541	20,541
Postal service	<1	75,075	75,080	78,934
Federal electric utilities	0	0	0	0
Other federal government enterprises	3	72,881	63,646	518,299
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	43,272	-8,451	36,288
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	87,290	188,054	330,291
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	369,932	584,256	1,336,620

Moon to Mars Campaign

Table 659: Detailed M2M Campaign Impacts by Types of Impact, Hawaii

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	4	250,502	337,339	586,162
Oilseed farming	<1	<1	<1	11
Grain farming	<1	162	71	936
Vegetable and melon farming	<1	154	199	334
Fruit farming	<1	247	312	434
Tree nut farming	<1	163	211	271
Greenhouse, nursery, and floriculture production	<1	164	190	234
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	<1	<1	<1
All other crop farming	<1	6	6	9
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	26	56	298
Dairy cattle and milk production	<1	<1	1	7
Poultry and egg production	<1	8	11	61
Animal production, except cattle and poultry and eggs	<1	158	333	725
Forestry, forest products, and timber tract production	<1	22	22	26
Commercial logging	<1	9	9	12
Commercial fishing	<1	24	18	77
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	260	200	271
Oil and gas extraction	<1	2	1	154

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	19	49	85
Sand and gravel mining	<1	8	15	26
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	8	12	22
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	10
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	46	158	394
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	2	4
Electric power generation - Wind	<1	<1	3	5
Electric power generation - Geothermal	<1	8	17	34
Electric power generation - Biomass	<1	6	28	69
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	58	184	511
Natural gas distribution	<1	180	503	1,122
Water, sewage and other systems	<1	54	105	178
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	658	1,094	1,969
Maintenance and repair construction of residential structures	<1	440	704	1,289
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	<1	6	12	76
Other animal food manufacturing	<1	28	48	405
Flour milling	0	0	0	0
Rice milling	<1	2	2	39
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	<1	3	98
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	3	6	56
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4	5	41
Chocolate and confectionery manufacturing from cacao beans	<1	5	6	44
Confectionery manufacturing from purchased chocolate	<1	52	60	326
Frozen fruits, juices and vegetables manufacturing	<1	3	5	39
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	20	28	188

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	<1	8
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	48	59	460
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	34	41	195
Frozen cakes and other pastries manufacturing	<1	81	125	206
Poultry processing	<1	19	22	100
Animal, except poultry, slaughtering	<1	42	49	482
Meat processed from carcasses	<1	149	143	1,269
Rendering and meat byproduct processing	<1	6	7	38
Seafood product preparation and packaging	<1	3	3	21
Bread and bakery product, except frozen, manufacturing	<1	332	425	1,144
Cookie and cracker manufacturing	<1	133	163	737
Dry pasta, mixes, and dough manufacturing	<1	11	16	122
Tortilla manufacturing	<1	2	2	9
Roasted nuts and peanut butter manufacturing	<1	33	56	281
Other snack food manufacturing	<1	34	48	253
Coffee and tea manufacturing	<1	24	32	271
Flavoring syrup and concentrate manufacturing	<1	2	9	49
Mayonnaise, dressing, and sauce manufacturing	<1	4	5	33
Spice and extract manufacturing	<1	4	6	36
All other food manufacturing	<1	101	122	877
Bottled and canned soft drinks & water	<1	173	220	1,105
Manufactured ice	<1	11	4	23
Breweries	<1	35	56	191
Wineries	<1	15	19	75
Distilleries	<1	17	56	160
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

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Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1	1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	6	6	17
Textile bag and canvas mills	<1	2	2	5
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	2	2	9
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	1	2
Cut and sew apparel contractors	<1	3	4	10
Mens and boys cut and sew apparel manufacturing	<1	5	5	17
Womens and girls cut and sew apparel manufacturing	<1	4	4	32
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	<1	<1	<1
Footwear manufacturing	<1	<1	<1	2
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	4	2	30
Wood preservation	<1	1	0	15
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	10	7	53
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	16	12	81
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	3	2	14
Wood container and pallet manufacturing	<1	4	3	16
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	<1	<1	<1	<1
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	49	58	326
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	172	302	661
Support activities for printing	0	0	0	0
Petroleum refineries	<1	83	677	2,521
Asphalt paving mixture and block manufacturing	<1	3	5	18
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	20	32	138
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	8	13	55
Other basic organic chemical manufacturing	<1	15	24	276
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	6	10	45
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	4	15
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	<1	<1	<1
In-vitro diagnostic substance manufacturing	<1	1	2	5

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Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	29	63	378
Polish and other sanitation good manufacturing	<1	10	13	49
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	8	18	71
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	1	2	12
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	13	18	92
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	4	6	25
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	10	13	64
Other plastics product manufacturing	<1	41	50	184
Tire manufacturing	<1	26	33	175
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	3
Brick, tile, and other structural clay product manufacturing	<1	<1	<1	2
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	16	23	63
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	3	5	13
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	34	50	148
Concrete block and brick manufacturing	<1	10	16	42
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	18	23	49
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	7	8	17
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	5	10	18
Miscellaneous nonmetallic mineral products manufacturing	<1	3	6	12
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	10	3	47
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	4	8	25
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	1	2	6
Fabricated structural metal manufacturing	<1	8	10	38
Plate work manufacturing	<1	7	7	24
Metal window and door manufacturing	<1	6	7	24
Sheet metal work manufacturing	<1	10	12	38
Ornamental and architectural metal work manufacturing	<1	3	4	13
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	4	7	48
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	1	2	7
Spring and wire product manufacturing	<1	5	6	23
Machine shops	<1	6	7	20
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	9	13	41
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	<1	<1	5

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	<1	2	1	8
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	<1	<1	2
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	8

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	1	2	9
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	2	<1	8
Switchgear and switchboard apparatus manufacturing	0	0	0	0

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Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	<1	<1	4
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	3
Motor vehicle transmission and power train parts manufacturing	<1	<1	<1	11
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	<1	<1	4
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	19	23	54
Boat building	<1	25	32	115
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	17	11	43
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	11	9	31
Other household nonupholstered furniture manufacturing	<1	<1	<1	4
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	2	<1	10
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	<1	<1	1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	4	4	10
Jewelry and silverware manufacturing	<1	46	58	218
Sporting and athletic goods manufacturing	<1	2	2	17
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	10	10	62
Sign manufacturing	<1	6	5	20
Gasket, packing, and sealing device manufacturing	0	0	0	0

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Musical instrument manufacturing	<1	11	11	44
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	22	24	118
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	98	182	499
Wholesale - Professional and commercial equipment and supplies	<1	447	620	1,216
Wholesale - Household appliances and electrical and electronic goods	<1	958	1,787	4,537
Wholesale - Machinery, equipment, and supplies	<1	201	328	635
Wholesale - Other durable goods merchant wholesalers	<1	669	978	2,091
Wholesale - Drugs and druggists' sundries	<1	318	709	1,765
Wholesale - Grocery and related product wholesalers	<1	671	825	1,839
Wholesale - Petroleum and petroleum products	<1	167	1,421	1,773
Wholesale - Other nondurable goods merchant wholesalers	<1	993	1,723	3,761
Wholesale - Wholesale electronic markets and agents and brokers	<1	301	309	380
Retail - Motor vehicle and parts dealers	<1	563	1,055	1,416
Retail - Furniture and home furnishings stores	<1	324	496	734
Retail - Electronics and appliance stores	<1	341	447	665
Retail - Building material and garden equipment and supplies stores	<1	343	764	1,043
Retail - Food and beverage stores	<1	1,371	2,033	2,955
Retail - Health and personal care stores	<1	749	1,056	1,577
Retail - Gasoline stores	<1	225	446	703
Retail - Clothing and clothing accessories stores	<1	666	1,170	1,906
Retail - Sporting goods, hobby, musical instrument and book stores	<1	325	488	703
Retail - General merchandise stores	<1	1,115	1,920	2,784

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Retail - Miscellaneous store retailers	<1	684	900	1,231
Retail - Nonstore retailers	<1	299	1,326	3,587
Air transportation	<1	683	2,296	3,432
Rail transportation	<1	-1	-1	<1
Water transportation	<1	172	250	1,017
Truck transportation	<1	801	1,154	2,121
Transit and ground passenger transportation	<1	683	881	1,161
Pipeline transportation	<1	3	14	16
Scenic and sightseeing transportation and support activities for transportation	<1	932	1,028	2,191
Couriers and messengers	<1	380	610	912
Warehousing and storage	<1	191	212	472
Newspaper publishers	<1	165	315	371
Periodical publishers	<1	104	182	287
Book publishers	<1	10	38	68
Directory, mailing list, and other publishers	<1	7	22	31
Greeting card publishing	<1	12	42	52
Software publishers	<1	89	234	267
Motion picture and video industries	<1	583	1,152	2,053
Sound recording industries	<1	4	32	76
Radio and television broadcasting	<1	781	843	1,596
Cable and other subscription programming	<1	<1	<1	5
Wired telecommunications carriers	<1	938	1,765	3,193
Wireless telecommunications carriers (except satellite)	<1	223	1,315	3,614
Satellite, telecommunications resellers, and all other telecommunications	<1	48	63	182
Data processing, hosting, and related services	<1	126	233	743
News syndicates, libraries, archives and all other information services	<1	42	76	141
Internet publishing and broadcasting and web search portals	<1	112	270	882
Nondepository credit intermediation and related activities	<1	507	638	954
Securities and commodity contracts intermediation and brokerage	<1	860	805	2,067

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Monetary authorities and depository credit intermediation	<1	2,107	4,836	8,728
Other financial investment activities	<1	516	652	2,357
Direct life insurance carriers	<1	122	253	377
Insurance carriers, except direct life	<1	1,501	5,169	10,745
Insurance agencies, brokerages, and related activities	<1	862	1,394	3,327
Funds, trusts, and other financial vehicles	<1	313	419	1,712
Other real estate	<1	4,909	13,745	26,006
Tenant-occupied housing	<1	480	7,345	7,783
Owner-occupied dwellings	0	0	21,213	26,929
Automotive equipment rental and leasing	<1	353	1,698	1,984
General and consumer goods rental except video tapes and discs	<1	195	412	576
Video tape and disc rental	<1	53	108	154
Commercial and industrial machinery and equipment rental and leasing	<1	245	981	1,205
Lessors of nonfinancial intangible assets	<1	8	229	265
Legal services	<1	2,492	4,083	5,814
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,089	1,388	2,108
Architectural, engineering, and related services	<1	900	987	1,752
Specialized design services	<1	79	122	188
Custom computer programming services	<1	147	158	224
Computer systems design services	<1	351	322	432
Other computer related services, including facilities management	<1	385	455	1,042
Management consulting services	<1	1,141	1,197	1,935
Environmental and other technical consulting services	<1	597	634	983
Scientific research and development services	<1	25,088	26,792	56,810
Advertising, public relations, and related services	<1	457	644	1,311
Photographic services	<1	36	90	166
Veterinary services	<1	215	260	387
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	260	434	901

Appendix

Management of companies and enterprises	<1	10,685	11,891	19,881
Office administrative services	<1	130	30	106
Facilities support services	<1	191	243	452
Employment services	<1	4,188	5,364	7,885
Business support services	<1	158	134	230
Travel arrangement and reservation services	<1	269	323	848
Investigation and security services	<1	730	716	1,010
Services to buildings	<1	859	1,092	1,945
Landscape and horticultural services	<1	635	750	1,290
Other support services	<1	152	183	340
Waste management and remediation services	<1	358	642	1,084
Elementary and secondary schools	<1	1,269	1,279	1,419
Junior colleges, colleges, universities, and professional schools	<1	639	1,070	1,388
Other educational services	<1	432	540	1,038
Offices of physicians	<1	4,123	4,380	5,995
Offices of dentists	<1	975	1,217	1,708
Offices of other health practitioners	<1	760	1,093	1,431
Outpatient care centers	<1	1,525	1,416	2,266
Medical and diagnostic laboratories	<1	388	553	796
Home health care services	<1	804	784	1,023
Other ambulatory health care services	<1	253	284	427
Hospitals	<1	7,082	8,003	13,674
Nursing and community care facilities	<1	1,024	1,019	1,652
Residential mental retardation, mental health, substance abuse and other facilities	<1	236	235	359
Individual and family services	<1	1,537	1,430	2,032
Child day care services	<1	592	959	1,173
Community food, housing, and other relief services, including rehabilitation services	<1	456	502	989
Performing arts companies	<1	310	435	727
Commercial Sports Except Racing	<1	32	35	53
Racing and Track Operation	<1	9	14	21
Independent artists, writers, and performers	<1	351	830	1,290

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Promoters of performing arts and sports and agents for public figures	<1	101	158	334
Museums, historical sites, zoos, and parks	<1	170	214	390
Amusement parks and arcades	<1	37	165	189
Gambling industries (except casino hotels)	<1	397	944	1,254
Other amusement and recreation industries	<1	336	407	617
Fitness and recreational sports centers	<1	158	309	420
Bowling centers	<1	32	72	93
Hotels and motels, including casino hotels	<1	607	1,465	1,843
Other accommodations	<1	34	62	78
Full-service restaurants	<1	2,162	3,041	4,565
Limited-service restaurants	<1	1,513	2,384	4,490
All other food and drinking places	<1	870	2,089	2,589
Automotive repair and maintenance, except car washes	<1	2,002	2,085	2,981
Car washes	<1	679	1,225	1,677
Electronic and precision equipment repair and maintenance	2	120,366	127,408	216,945
Commercial and industrial machinery and equipment repair and maintenance	<1	514	374	600
Personal and household goods repair and maintenance	<1	243	356	521
Personal care services	<1	752	525	729
Death care services	<1	219	37	92
Dry-cleaning and laundry services	<1	1,704	211	551
Other personal services	<1	548	677	956
Religious organizations	<1	1,457	140	1,595
Grantmaking, giving, and social advocacy organizations	<1	1,045	2,016	3,290
Business and professional associations	<1	164	212	398
Labor and civic organizations	<1	704	1,265	2,362
Private households	<1	245	245	245
Postal service	<1	710	710	746
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	72	69	419
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	0	0	0	0
Local government passenger transit	<1	376	-76	259
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	695	1,424	2,501
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 660: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Hawaii

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>78</i>	<i>4,916,734</i>	<i>6,911,408</i>	<i>13,620,536</i>
Oilseed farming	<1	10	12	111
Grain farming	<1	4,998	1,761	29,080
Vegetable and melon farming	<1	2,998	3,832	6,525
Fruit farming	<1	4,203	5,368	7,472
Tree nut farming	<1	1,891	2,470	3,211
Greenhouse, nursery, and floriculture production	<1	4,603	5,329	6,763
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	14	16	23
All other crop farming	<1	181	195	275
Beef cattle ranching and farming, including feedlots	<1	642	1,864	11,173

Appendix

and dual-purpose ranching and farming				
Dairy cattle and milk production	<1	13	22	135
Poultry and egg production	<1	229	294	1,949
Animal production, except cattle and poultry and eggs	<1	9,341	15,131	31,399
Forestry, forest products, and timber tract production	<1	600	601	750
Commercial logging	<1	265	280	389
Commercial fishing	<1	466	582	2,378
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	10,103	7,892	10,659
Oil and gas extraction	<1	133	65	6,490
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	594	2,110	3,443
Sand and gravel mining	<1	376	781	1,373
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	254	481	845
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	8	12	561
Other nonmetallic minerals services	<1	<1	<1	11
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	861	3,230	9,040

Appendix

Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	13	48	118
Electric power generation - Wind	<1	17	122	211
Electric power generation - Geothermal	<1	139	304	604
Electric power generation - Biomass	<1	163	654	1,834
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,462	4,721	14,055
Natural gas distribution	<1	3,986	10,737	25,678
Water, sewage and other systems	<1	1,384	2,698	4,967
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	19,961	33,160	61,968
Maintenance and repair construction of residential structures	<1	8,335	13,291	25,263

Appendix

Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	15	28
Dog and cat food manufacturing	<1	155	276	1,855
Other animal food manufacturing	<1	1,014	1,656	15,114
Flour milling	0	0	0	0
Rice milling	<1	45	60	973
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	19	59	2,153
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	73	116	1,239
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	61	77	660
Chocolate and confectionery manufacturing from cacao beans	<1	52	65	480
Confectionery manufacturing from purchased chocolate	<1	1,068	1,229	7,219
Frozen fruits, juices and vegetables manufacturing	<1	65	87	857
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	305	433	3,012
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	12	16	136
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	892	1,080	8,796
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	842	965	5,209
Frozen cakes and other pastries manufacturing	<1	1,538	2,385	4,053

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Poultry processing	<1	687	745	3,543
Animal, except poultry, slaughtering	<1	1,315	1,513	15,117
Meat processed from carcasses	<1	3,053	2,882	26,538
Rendering and meat byproduct processing	<1	123	139	783
Seafood product preparation and packaging	<1	86	93	635
Bread and bakery product, except frozen, manufacturing	<1	6,456	8,291	22,768
Cookie and cracker manufacturing	<1	2,130	2,450	12,773
Dry pasta, mixes, and dough manufacturing	<1	197	295	2,147
Tortilla manufacturing	<1	33	37	201
Roasted nuts and peanut butter manufacturing	<1	570	912	5,020
Other snack food manufacturing	<1	698	1,018	5,380
Coffee and tea manufacturing	<1	553	730	6,327
Flavoring syrup and concentrate manufacturing	<1	50	190	1,065
Mayonnaise, dressing, and sauce manufacturing	<1	71	99	697
Spice and extract manufacturing	<1	66	82	571
All other food manufacturing	<1	1,606	1,942	14,815
Bottled and canned soft drinks & water	<1	4,116	5,091	26,672
Manufactured ice	<1	240	81	542
Breweries	<1	742	1,121	3,935
Wineries	<1	183	229	994
Distilleries	<1	384	1,179	3,614
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	12	12	46
Fabric coating mills	0	0	0	0

Appendix

Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	86	84	280
Textile bag and canvas mills	<1	39	38	114
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	48	47	190
Hosiery and sock mills	<1	7	15	31
Other apparel knitting mills	<1	12	23	45
Cut and sew apparel contractors	<1	94	114	311
Mens and boys cut and sew apparel manufacturing	<1	64	68	259
Womens and girls cut and sew apparel manufacturing	<1	38	42	352
Other cut and sew apparel manufacturing	<1	5	10	26
Apparel accessories and other apparel manufacturing	<1	6	12	29
Leather and hide tanning and finishing	<1	2	2	20
Footwear manufacturing	<1	11	11	62
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	136	84	1,078
Wood preservation	<1	49	-2	580
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	306	217	1,694
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	760	574	3,864
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	101	63	504
Wood container and pallet manufacturing	<1	68	52	302
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	<1	2	1	19
Pulp mills	0	0	0	0

Appendix

Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	909	1,091	6,246
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	4,279	7,122	17,307
Support activities for printing	0	0	0	0
Petroleum refineries	<1	2,959	23,033	86,565
Asphalt paving mixture and block manufacturing	<1	87	145	534
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,027	1,619	6,994
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	379	523	2,340
Other basic organic chemical manufacturing	<1	709	1,122	11,659
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	162	277	1,340
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	93	132	580
Pesticide and other agricultural chemical manufacturing	0	0	0	0

Appendix

Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	<1	2	7
In-vitro diagnostic substance manufacturing	<1	10	12	36
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	533	1,023	7,878
Polish and other sanitation good manufacturing	<1	199	249	1,014
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	119	261	1,070
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	44	58	328
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	194	262	1,401
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	118	162	716
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	137	182	979
Other plastics product manufacturing	<1	681	837	3,286
Tire manufacturing	<1	801	1,019	5,304

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Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	17	24	74
Brick, tile, and other structural clay product manufacturing	<1	18	29	94
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	735	1,172	3,100
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	112	173	471
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	1,554	2,378	6,844
Concrete block and brick manufacturing	<1	351	571	1,429
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	707	927	1,909
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	215	245	514
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	181	357	667
Miscellaneous nonmetallic mineral products manufacturing	<1	140	343	624
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	113	40	595
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0

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Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	46	91	302
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	<1	49	64	234
Fabricated structural metal manufacturing	<1	395	525	1,974
Plate work manufacturing	<1	241	258	860
Metal window and door manufacturing	<1	165	207	679
Sheet metal work manufacturing	<1	93	114	356
Ornamental and architectural metal work manufacturing	<1	108	131	486
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	69	127	896
Metal barrels, drums and pails manufacturing	0	0	0	0

Appendix

Hardware manufacturing	<1	23	33	128
Spring and wire product manufacturing	<1	53	67	249
Machine shops	<1	128	149	428
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	99	150	483
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	0	0	0	0
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	0	0	0	0
Farm machinery and equipment manufacturing	<1	25	11	214
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0

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Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	<1	65	44	292
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0

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Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	1	3	18
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0

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Other electronic component manufacturing	<1	<1	<1	1
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	3	8
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	6	9	25
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	6
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	2	4	12
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	6	4	21
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0

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Motor and generator manufacturing	<1	31	14	142
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	1	5	109
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	2
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	16	31	144
Motor vehicle transmission and power train parts manufacturing	<1	3	5	133
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	4	6	96
Motor vehicle steering, suspension component	0	0	0	0

Appendix

(except spring), and brake systems manufacturing				
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	599	715	1,697
Boat building	<1	721	929	3,425
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	509	347	1,371
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	232	194	685
Other household nonupholstered furniture manufacturing	<1	15	10	77
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	79	57	289
Custom architectural woodwork and millwork	<1	3	2	8
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	<1	40	10	209
Blind and shade manufacturing	<1	15	14	56

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Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	3	3	18
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	4	3	16
Dental laboratories	<1	63	64	154
Jewelry and silverware manufacturing	<1	962	1,173	4,519
Sporting and athletic goods manufacturing	<1	41	41	326
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	226	224	1,540
Sign manufacturing	<1	239	182	786
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	80	78	324
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	458	475	2,557
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,892	3,533	9,634
Wholesale - Professional and commercial equipment and supplies	<1	8,330	11,617	23,127
Wholesale - Household appliances and electrical and electronic goods	<1	2,135	4,177	10,747
Wholesale - Machinery, equipment, and supplies	<1	4,317	7,178	13,840
Wholesale - Other durable goods merchant wholesalers	<1	15,680	22,982	49,450
Wholesale - Drugs and druggists' sundries	<1	6,318	14,566	36,908
Wholesale - Grocery and related product wholesalers	<1	15,438	19,179	43,127

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Wholesale - Petroleum and petroleum products	<1	5,911	34,438	44,372
Wholesale - Other nondurable goods merchant wholesalers	<1	23,245	38,421	86,823
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,873	8,078	9,990
Retail - Motor vehicle and parts dealers	<1	12,442	23,275	31,552
Retail - Furniture and home furnishings stores	<1	6,498	9,955	15,036
Retail - Electronics and appliance stores	<1	7,032	9,007	13,798
Retail - Building material and garden equipment and supplies stores	<1	7,091	15,843	21,807
Retail - Food and beverage stores	<1	25,265	37,959	56,631
Retail - Health and personal care stores	<1	15,573	21,860	32,847
Retail - Gasoline stores	<1	4,440	9,381	15,692
Retail - Clothing and clothing accessories stores	<1	12,897	23,097	39,280
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,567	9,867	14,643
Retail - General merchandise stores	<1	24,682	42,159	61,457
Retail - Miscellaneous store retailers	<1	13,075	17,400	24,943
Retail - Nonstore retailers	<1	5,855	24,488	68,648
Air transportation	<1	17,388	55,002	84,912
Rail transportation	<1	-19	-24	8
Water transportation	<1	4,575	6,598	28,149
Truck transportation	<1	14,614	21,537	40,591
Transit and ground passenger transportation	<1	13,868	17,639	25,066
Pipeline transportation	<1	159	613	690
Scenic and sightseeing transportation and support activities for transportation	<1	37,082	40,759	85,992
Couriers and messengers	<1	8,565	13,662	20,764
Warehousing and storage	<1	3,633	4,031	9,148
Newspaper publishers	<1	4,954	9,242	11,135
Periodical publishers	<1	2,334	4,012	6,809
Book publishers	<1	272	983	1,836

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Directory, mailing list, and other publishers	<1	859	2,686	3,798
Greeting card publishing	<1	222	694	934
Software publishers	<1	1,955	4,996	5,733
Motion picture and video industries	<1	9,109	17,540	38,520
Sound recording industries	<1	76	592	1,589
Radio and television broadcasting	<1	14,977	17,560	47,124
Cable and other subscription programming	<1	2	16	112
Wired telecommunications carriers	<1	19,585	38,329	71,360
Wireless telecommunications carriers (except satellite)	<1	5,402	30,362	86,828
Satellite, telecommunications resellers, and all other telecommunications	<1	915	1,259	3,991
Data processing, hosting, and related services	<1	3,787	7,104	25,772
News syndicates, libraries, archives and all other information services	<1	1,362	2,344	4,820
Internet publishing and broadcasting and web search portals	<1	2,854	6,941	30,681
Nondepository credit intermediation and related activities	<1	10,742	13,217	21,134
Securities and commodity contracts intermediation and brokerage	<1	17,389	16,912	51,759
Monetary authorities and depository credit intermediation	<1	69,919	148,624	283,243
Other financial investment activities	<1	7,118	9,350	41,322
Direct life insurance carriers	<1	2,867	5,603	8,895
Insurance carriers, except direct life	<1	36,383	115,187	261,585
Insurance agencies, brokerages, and related activities	<1	37,365	59,134	147,067
Funds, trusts, and other financial vehicles	<1	5,529	7,126	34,844
Other real estate	4	147,491	428,010	904,352

Appendix

Tenant-occupied housing	<1	8,980	125,956	138,330
Owner-occupied dwellings	0	0	366,535	465,299
Automotive equipment rental and leasing	<1	6,779	43,002	53,569
General and consumer goods rental except video tapes and discs	<1	3,927	9,169	13,768
Video tape and disc rental	<1	1,054	2,190	3,154
Commercial and industrial machinery and equipment rental and leasing	<1	7,380	36,271	46,119
Lessors of nonfinancial intangible assets	<1	344	9,217	10,726
Legal services	1	108,620	173,185	252,513
Accounting, tax preparation, bookkeeping, and payroll services	<1	31,856	38,633	61,320
Architectural, engineering, and related services	<1	54,486	57,898	105,837
Specialized design services	<1	3,338	4,773	7,902
Custom computer programming services	<1	5,494	5,987	8,800
Computer systems design services	<1	11,244	10,234	14,042
Other computer related services, including facilities management	<1	13,014	15,462	36,866
Management consulting services	6	497,167	518,247	869,418
Environmental and other technical consulting services	<1	21,560	22,634	35,845
Scientific research and development services	24	1,945,207	2,152,726	4,707,778
Advertising, public relations, and related services	<1	12,846	17,412	38,187
Photographic services	<1	1,276	2,829	5,723
Veterinary services	<1	4,382	5,071	7,845
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	14,721	23,426	52,256
Management of companies and enterprises	2	207,112	229,198	398,802
Office administrative services	<1	3,020	665	2,578
Facilities support services	<1	6,015	7,713	15,522
Employment services	3	115,018	143,933	227,064

Appendix

Business support services	<1	10,217	8,546	15,636
Travel arrangement and reservation services	<1	9,330	11,165	29,978
Investigation and security services	<1	19,022	18,512	27,498
Services to buildings	<1	23,237	29,061	55,408
Landscape and horticultural services	<1	37,178	43,622	77,926
Other support services	<1	6,363	7,628	14,847
Waste management and remediation services	<1	10,216	18,322	31,524
Elementary and secondary schools	<1	17,420	17,710	20,041
Junior colleges, colleges, universities, and professional schools	<1	24,303	40,886	55,325
Other educational services	<1	7,064	8,755	17,559
Offices of physicians	<1	82,587	87,014	119,701
Offices of dentists	<1	18,928	23,008	32,828
Offices of other health practitioners	<1	15,562	21,511	28,510
Outpatient care centers	<1	27,579	25,321	40,353
Medical and diagnostic laboratories	<1	7,377	10,125	15,038
Home health care services	<1	16,409	15,877	20,788
Other ambulatory health care services	<1	4,853	5,366	8,199
Hospitals	1	112,925	128,808	223,642
Nursing and community care facilities	<1	19,217	19,087	32,193
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,632	3,608	5,682
Individual and family services	<1	24,538	22,272	32,456
Child day care services	<1	10,182	15,779	20,118
Community food, housing, and other relief services, including rehabilitation services	<1	6,723	7,349	15,101
Performing arts companies	<1	5,087	7,398	13,758
Commercial Sports Except Racing	<1	718	828	1,288
Racing and Track Operation	<1	139	241	410
Independent artists, writers, and performers	<1	6,489	17,945	28,689

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,804	3,009	6,943
Museums, historical sites, zoos, and parks	<1	2,940	3,726	7,053
Amusement parks and arcades	<1	575	3,073	3,576
Gambling industries (except casino hotels)	<1	6,776	16,163	22,367
Other amusement and recreation industries	<1	6,471	8,185	12,983
Fitness and recreational sports centers	<1	2,635	5,446	7,725
Bowling centers	<1	596	1,371	1,836
Hotels and motels, including casino hotels	<1	12,440	31,025	39,953
Other accommodations	<1	492	910	1,166
Full-service restaurants	1	51,180	70,376	109,901
Limited-service restaurants	1	31,182	48,224	96,178
All other food and drinking places	<1	24,055	57,595	73,890
Automotive repair and maintenance, except car washes	<1	33,494	37,604	53,912
Car washes	<1	12,353	22,522	31,225
Electronic and precision equipment repair and maintenance	<1	5,655	5,852	10,443
Commercial and industrial machinery and equipment repair and maintenance	<1	7,996	5,902	9,868
Personal and household goods repair and maintenance	<1	4,789	7,437	11,000
Personal care services	<1	12,971	9,627	13,367
Death care services	<1	3,474	770	1,779
Dry-cleaning and laundry services	<1	11,016	1,824	4,472
Other personal services	<1	11,030	13,903	19,950
Religious organizations	<1	23,639	2,973	28,372
Grantmaking, giving, and social advocacy organizations	<1	14,187	30,685	49,702
Business and professional associations	<1	3,562	4,983	9,486
Labor and civic organizations	<1	10,368	20,684	37,489
Private households	<1	4,095	4,095	4,095
Postal service	<1	18,845	18,848	19,832
Federal electric utilities	0	0	0	0

Appendix

Other federal government enterprises	3	87,078	71,052	484,619
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	10,984	-1,733	12,224
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	17,907	41,471	72,637
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	1,021	459	1,050

Idaho

NASA

Table 661: Detailed NASA Impacts by Types of Impact, Idaho

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>111</i>	<i>5,600,113</i>	<i>8,025,957</i>	<i>17,411,097</i>
Oilseed farming	<1	180	732	1,075
Grain farming	<1	8,173	16,297	53,374
Vegetable and melon farming	<1	3,521	7,046	12,830
Fruit farming	<1	421	920	1,262
Tree nut farming	<1	6	14	19
Greenhouse, nursery, and floriculture production	<1	1,431	2,154	3,890
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	2,575	3,736	7,005
All other crop farming	<1	1,817	2,702	5,007
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,436	9,166	29,064
Dairy cattle and milk production	<1	3,282	7,381	39,100
Poultry and egg production	<1	235	385	3,934
Animal production, except cattle and poultry and eggs	<1	6,625	20,181	27,486
Forestry, forest products, and timber tract production	<1	81	86	113
Commercial logging	<1	1,115	1,145	1,858
Commercial fishing	<1	130	326	347
Commercial hunting and trapping	<1	209	988	1,199
Support activities for agriculture and forestry	<1	10,478	10,595	12,736
Oil and gas extraction	<1	1,384	2,625	34,517
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	530	258	2,268
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,368	1,405	2,242
Silver ore mining	<1	3,215	2,432	7,424
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	81	65	185
Stone mining and quarrying	<1	434	180	1,744
Sand and gravel mining	<1	792	624	2,461

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Other clay, ceramic, refractory minerals mining	<1	3	2	11
Potash, soda, and borate mineral mining	<1	93	74	219
Phosphate rock mining	<1	506	265	1,000
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	139	103	541
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	10	12	40
Metal mining services	<1	69	101	655
Other nonmetallic minerals services	<1	3	5	34
Electric power generation - Hydroelectric	<1	2,278	7,452	16,690
Electric power generation - Fossil fuel	<1	85	350	1,027
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	20	76	174
Electric power generation - Wind	<1	493	4,379	8,795
Electric power generation - Geothermal	<1	89	216	494
Electric power generation - Biomass	<1	147	722	2,281
Electric power generation - All other	<1	174	133	588
Electric power transmission and distribution	<1	22,512	82,571	213,838
Natural gas distribution	<1	4,795	14,072	34,304
Water, sewage and other systems	<1	1,868	3,994	8,692
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	22,290	39,560	89,527
Maintenance and repair construction of residential structures	<1	6,593	11,064	25,360
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8	14	33
Dog and cat food manufacturing	<1	37	69	385
Other animal food manufacturing	<1	1,779	2,277	15,876
Flour milling	<1	1,096	1,481	10,746
Rice milling	0	0	0	0
Malt manufacturing	<1	787	1,033	6,726
Wet corn milling	<1	681	1,065	4,192
Soybean and other oilseed processing	<1	39	108	1,253
Fats and oils refining and blending	<1	28	39	358
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	1,657	2,374	11,938
Sugar cane mills and refining	<1	327	533	2,795
Nonchocolate confectionery manufacturing	<1	25	30	112
Chocolate and confectionery manufacturing from cacao beans	<1	40	50	432
Confectionery manufacturing from purchased chocolate	<1	44	50	313
Frozen fruits, juices and vegetables manufacturing	<1	3,676	5,005	20,386
Frozen specialties manufacturing	<1	2,371	2,757	13,765
Canned fruits and vegetables manufacturing	<1	248	347	1,334
Canned specialties	<1	420	645	2,759
Dehydrated food products manufacturing	<1	1,888	2,502	10,853
Cheese manufacturing	<1	6,232	7,500	76,295
Dry, condensed, and evaporated dairy product manufacturing	<1	1,047	1,582	12,326
Fluid milk manufacturing	<1	2,798	3,378	22,318
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	10	12	166
Frozen cakes and other pastries manufacturing	<1	882	1,137	2,016

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Poultry processing	<1	298	330	1,247
Animal, except poultry, slaughtering	<1	2,532	2,840	21,083
Meat processed from carcasses	<1	6,812	6,374	44,890
Rendering and meat byproduct processing	<1	105	107	468
Seafood product preparation and packaging	<1	1,595	1,690	8,338
Bread and bakery product, except frozen, manufacturing	<1	3,394	4,087	9,692
Cookie and cracker manufacturing	<1	1,682	1,928	6,489
Dry pasta, mixes, and dough manufacturing	<1	160	232	1,174
Tortilla manufacturing	<1	594	652	2,036
Roasted nuts and peanut butter manufacturing	<1	174	200	1,151
Other snack food manufacturing	<1	245	317	1,559
Coffee and tea manufacturing	<1	126	164	1,086
Flavoring syrup and concentrate manufacturing	<1	128	416	1,210
Mayonnaise, dressing, and sauce manufacturing	<1	519	715	3,033
Spice and extract manufacturing	<1	14	17	91
All other food manufacturing	<1	890	1,053	4,380
Bottled and canned soft drinks & water	<1	1,566	2,065	13,764
Manufactured ice	<1	85	35	281
Breweries	<1	1,392	2,545	10,933
Wineries	<1	475	655	3,833
Distilleries	<1	200	670	1,795
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	6	10	62
Broadwoven fabric mills	<1	7	11	51
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	16	28	139
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3	3	15
Fabric coating mills	<1	28	37	184
Carpet and rug mills	<1	147	264	1,495
Curtain and linen mills	<1	5	6	21
Textile bag and canvas mills	<1	26	30	98
Rope, cordage, twine, tire cord and tire fabric mills	<1	122	178	463
Other textile product mills	<1	163	193	493
Hosiery and sock mills	<1	2	3	7

Appendix

Other apparel knitting mills	<1	3	4	11
Cut and sew apparel contractors	<1	18	22	72
Mens and boys cut and sew apparel manufacturing	<1	4	6	22
Womens and girls cut and sew apparel manufacturing	<1	1	2	13
Other cut and sew apparel manufacturing	<1	6	10	37
Apparel accessories and other apparel manufacturing	<1	35	61	191
Leather and hide tanning and finishing	<1	3	6	39
Footwear manufacturing	<1	10	12	77
Other leather and allied product manufacturing	<1	4	5	24
Sawmills	<1	2,215	2,916	8,251
Wood preservation	<1	155	301	1,048
Veneer and plywood manufacturing	<1	423	545	1,432
Engineered wood member and truss manufacturing	<1	506	654	1,740
Reconstituted wood product manufacturing	<1	47	85	374
Wood windows and door manufacturing	<1	2,483	3,058	8,640
Cut stock, resawing lumber, and planing	<1	502	716	1,949
Other millwork, including flooring	<1	1,163	1,577	4,141
Wood container and pallet manufacturing	<1	769	935	2,445
Manufactured home (mobile home) manufacturing	<1	2	2	4
Prefabricated wood building manufacturing	<1	188	231	621
All other miscellaneous wood product manufacturing	<1	422	537	1,744
Pulp mills	0	0	0	0
Paper mills	<1	1,706	2,955	11,813
Paperboard mills	<1	384	732	3,042
Paperboard container manufacturing	<1	1,771	2,404	9,474
Paper bag and coated and treated paper manufacturing	<1	1,471	2,266	8,071
Stationery product manufacturing	<1	48	68	425
Sanitary paper product manufacturing	<1	16	38	227
All other converted paper product manufacturing	<1	17	23	123

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Printing	<1	5,982	15,298	28,349
Support activities for printing	<1	84	213	323
Petroleum refineries	<1	406	1,840	25,447
Asphalt paving mixture and block manufacturing	<1	20	27	186
Asphalt shingle and coating materials manufacturing	<1	38	77	366
Petroleum lubricating oil and grease manufacturing	<1	91	179	958
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	55	136	2,270
Industrial gas manufacturing	<1	11	13	135
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	56	63	426
Other basic organic chemical manufacturing	<1	85	104	1,598
Plastics material and resin manufacturing	<1	14	16	224
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	404	490	3,875
Phosphatic fertilizer manufacturing	<1	892	1,057	6,159
Fertilizer mixing	<1	36	40	236
Pesticide and other agricultural chemical manufacturing	<1	44	56	396
Medicinal and botanical manufacturing	<1	38	35	190
Pharmaceutical preparation manufacturing	<1	142	194	1,371
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	16	17	79
Paint and coating manufacturing	<1	8	8	69
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	25	34	462
Polish and other sanitation good manufacturing	<1	10	11	59
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	559	659	4,790
Printing ink manufacturing	0	0	0	0

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	1,383	1,539	8,059
Other miscellaneous chemical product manufacturing	<1	708	737	3,714
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	197	357	1,457
Unlaminated plastics profile shape manufacturing	<1	101	253	1,015
Plastics pipe and pipe fitting manufacturing	<1	137	435	1,746
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	125	260	819
Polystyrene foam product manufacturing	<1	172	318	1,006
Urethane and other foam product (except polystyrene) manufacturing	<1	15	26	72
Plastics bottle manufacturing	<1	70	122	586
Other plastics product manufacturing	<1	1,366	2,144	7,001
Tire manufacturing	<1	380	626	3,049
Rubber and plastics hoses and belting manufacturing	<1	27	43	104
Other rubber product manufacturing	<1	67	100	332
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	5	18
Brick, tile, and other structural clay product manufacturing	<1	59	99	243
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	80	137	457
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	13	23	91
Cement manufacturing	<1	54	124	362
Ready-mix concrete manufacturing	<1	1,267	2,094	7,427
Concrete block and brick manufacturing	<1	277	488	1,367
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	161	222	632
Lime manufacturing	<1	30	70	311
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	<1	2	7	22
Cut stone and stone product manufacturing	<1	263	312	814
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	2	8
Miscellaneous nonmetallic mineral products manufacturing	<1	22	59	166
Iron and steel mills and ferroalloy manufacturing	<1	46	145	754
Iron, steel pipe and tube manufacturing from purchased steel	<1	20	58	225
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	6	14	89
Secondary smelting and alloying of aluminum	<1	4	10	85
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	3	6	31
Nonferrous metal (exc aluminum) smelting and refining	<1	14	148	413
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	3	5	33
Secondary processing of other nonferrous metals	<1	6	22	110
Ferrous metal foundries	<1	31	75	188
Nonferrous metal foundries	<1	78	165	357
Custom roll forming	<1	43	67	580
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	34	51	287
Nonferrous forging	<1	3	5	31
Cutlery, utensil, pot, and pan manufacturing	<1	435	977	3,764
Handtool manufacturing	<1	48	73	197
Prefabricated metal buildings and components manufacturing	<1	79	104	379
Fabricated structural metal manufacturing	<1	545	749	2,764
Plate work manufacturing	<1	238	257	865
Metal window and door manufacturing	<1	27	35	97
Sheet metal work manufacturing	<1	432	545	1,892

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Ornamental and architectural metal work manufacturing	<1	148	183	637
Power boiler and heat exchanger manufacturing	<1	3	4	12
Metal tank (heavy gauge) manufacturing	<1	71	87	321
Metal cans manufacturing	<1	33	66	370
Metal barrels, drums and pails manufacturing	<1	<1	<1	3
Hardware manufacturing	<1	57	84	351
Spring and wire product manufacturing	<1	12	16	76
Machine shops	<1	1,408	1,656	3,368
Turned product and screw, nut, and bolt manufacturing	<1	129	178	686
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	55	89	364
Electroplating, anodizing, and coloring metal	<1	65	73	199
Valve and fittings, other than plumbing, manufacturing	<1	49	73	253
Plumbing fixture fitting and trim manufacturing	<1	50	121	556
Ball and roller bearing manufacturing	<1	324	532	1,623
Small arms ammunition manufacturing	<1	3,437	6,358	15,675
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	102	173	531
Fabricated pipe and pipe fitting manufacturing	<1	59	70	217
Other fabricated metal manufacturing	<1	521	652	2,200
Farm machinery and equipment manufacturing	<1	127	212	1,073
Lawn and garden equipment manufacturing	<1	17	29	174
Construction machinery manufacturing	<1	78	166	669
Mining machinery and equipment manufacturing	<1	8	13	47
Oil and gas field machinery and equipment manufacturing	<1	2	3	13
Semiconductor machinery manufacturing	<1	40	46	168
Food product machinery manufacturing	<1	5	6	22

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Sawmill, woodworking, and paper machinery	<1	2	2	8
Printing machinery and equipment manufacturing	<1	3	4	14
All other industrial machinery manufacturing	<1	4	5	19
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	<1	1	4
Other commercial service industry machinery manufacturing	<1	54	85	332
Air purification and ventilation equipment manufacturing	<1	2	2	9
Heating equipment (except warm air furnaces) manufacturing	<1	20	29	104
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	30	52	189
Industrial mold manufacturing	<1	25	29	68
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	106	119	286
Machine tool manufacturing	<1	2	2	9
Rolling mill and other metalworking machinery manufacturing	<1	1	1	3
Turbine and turbine generator set units manufacturing	<1	2	3	11
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6	9	30
Mechanical power transmission equipment manufacturing	<1	10	15	41
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	6	11	36
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	<1	1	4
Conveyor and conveying equipment manufacturing	<1	6	7	25
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	4	6	23

Appendix

Power-driven handtool manufacturing	<1	<1	<1	3
Welding and soldering equipment manufacturing	<1	4	5	20
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	8	12	31
Fluid power pump and motor manufacturing	<1	8	13	78
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	16	19	60
Electronic computer manufacturing	<1	<1	2	7
Computer storage device manufacturing	<1	13	31	69
Computer terminals and other computer peripheral equipment manufacturing	<1	351	587	1,401
Telephone apparatus manufacturing	<1	21	32	74
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	<1	13	22	68
Audio and video equipment manufacturing	<1	1	2	7
Printed circuit assembly (electronic assembly) manufacturing	<1	8	15	70
Bare printed circuit board manufacturing	<1	15	20	49
Semiconductor and related device manufacturing	<1	1,167	1,990	5,259
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	187	286	696
Other electronic component manufacturing	<1	54	74	191
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	3	7
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	4	5	8

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Industrial process variable instruments manufacturing	<1	53	86	237
Totalizing fluid meter and counting device manufacturing	<1	2	5	7
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	2
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	22	41	114
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	37	55	131
Electric lamp bulb and part manufacturing	<1	6	16	47
Lighting fixture manufacturing	<1	7	12	28
Small electrical appliance manufacturing	<1	25	78	218
Household cooking appliance manufacturing	<1	10	30	85
Household refrigerator and home freezer manufacturing	<1	11	36	98
Household laundry equipment manufacturing	<1	23	54	198
Other major household appliance manufacturing	<1	5	16	40
Power, distribution, and specialty transformer manufacturing	<1	28	53	157
Motor and generator manufacturing	<1	4	8	18
Switchgear and switchboard apparatus manufacturing	<1	18	39	101
Relay and industrial control manufacturing	<1	6	9	25
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	169	485	1,026
Fiber optic cable manufacturing	<1	53	75	356
Other communication and energy wire manufacturing	<1	8	15	61
Wiring device manufacturing	<1	12	31	75
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	3	4	13
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	<1	298	-81	7,202
Heavy duty truck manufacturing	<1	21	12	305
Motor vehicle body manufacturing	<1	4	4	21
Truck trailer manufacturing	<1	14	11	75
Motor home manufacturing	<1	1,321	908	7,262
Travel trailer and camper manufacturing	<1	2,545	2,490	12,858
Motor vehicle gasoline engine and engine parts manufacturing	<1	38	31	435
Motor vehicle electrical and electronic equipment manufacturing	<1	1,746	1,442	9,255
Motor vehicle transmission and power train parts manufacturing	<1	54	44	257
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	212	166	1,852
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	91	73	402
Aircraft manufacturing	<1	<1	1	7
Aircraft engine and engine parts manufacturing	<1	5	9	34
Other aircraft parts and auxiliary equipment manufacturing	<1	5	6	22
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	12	13	69
Ship building and repairing	<1	21	23	70
Boat building	<1	641	798	3,581
Motorcycle, bicycle, and parts manufacturing	<1	52	118	467
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	222	347	1,693
Wood kitchen cabinet and countertop manufacturing	<1	727	895	2,442
Upholstered household furniture manufacturing	<1	488	540	1,990

Appendix

Nonupholstered wood household furniture manufacturing	<1	92	102	328
Other household nonupholstered furniture manufacturing	<1	33	46	180
Institutional furniture manufacturing	<1	10	11	44
Wood office furniture manufacturing	<1	89	112	403
Custom architectural woodwork and millwork	<1	6	5	21
Office furniture, except wood, manufacturing	<1	2,923	4,272	15,857
Showcase, partition, shelving, and locker manufacturing	<1	34	44	169
Mattress manufacturing	<1	9	14	69
Blind and shade manufacturing	<1	2	3	11
Surgical and medical instrument manufacturing	<1	15	37	115
Surgical appliance and supplies manufacturing	<1	41	115	421
Dental equipment and supplies manufacturing	<1	<1	1	5
Ophthalmic goods manufacturing	<1	5	15	34
Dental laboratories	<1	56	59	159
Jewelry and silverware manufacturing	<1	157	270	832
Sporting and athletic goods manufacturing	<1	59	110	620
Doll, toy, and game manufacturing	<1	5	10	35
Office supplies (except paper) manufacturing	<1	50	96	402
Sign manufacturing	<1	520	489	2,175
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	6	7	30
Fasteners, buttons, needles, and pins manufacturing	<1	10	16	65
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	15	23	89
All other miscellaneous manufacturing	<1	355	568	2,400
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,349	9,824	23,144
Wholesale - Professional and commercial equipment and supplies	<1	17,837	27,885	47,779

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	7,389	16,997	33,377
Wholesale - Machinery, equipment, and supplies	<1	10,233	19,220	34,379
Wholesale - Other durable goods merchant wholesalers	<1	19,392	32,741	65,616
Wholesale - Drugs and druggists' sundries	<1	6,079	17,191	31,593
Wholesale - Grocery and related product wholesalers	<1	18,701	25,232	50,940
Wholesale - Petroleum and petroleum products	<1	2,595	34,847	41,658
Wholesale - Other nondurable goods merchant wholesalers	<1	29,143	59,520	118,567
Wholesale - Wholesale electronic markets and agents and brokers	<1	16,355	16,985	20,531
Retail - Motor vehicle and parts dealers	<1	18,113	27,352	41,439
Retail - Furniture and home furnishings stores	<1	10,065	12,411	19,867
Retail - Electronics and appliance stores	<1	9,086	8,893	16,535
Retail - Building material and garden equipment and supplies stores	<1	11,279	19,501	29,623
Retail - Food and beverage stores	<1	33,156	41,476	65,407
Retail - Health and personal care stores	<1	12,883	15,937	26,254
Retail - Gasoline stores	<1	9,963	15,281	29,218
Retail - Clothing and clothing accessories stores	<1	7,797	12,062	27,726
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,409	9,615	16,943
Retail - General merchandise stores	<1	28,559	39,147	65,139
Retail - Miscellaneous store retailers	<1	14,284	16,821	29,277
Retail - Nonstore retailers	<1	30,042	60,282	119,013
Air transportation	<1	16,722	30,021	64,147
Rail transportation	<1	4,520	13,117	20,907
Water transportation	<1	845	907	6,104
Truck transportation	<1	41,145	50,056	100,785
Transit and ground passenger transportation	<1	8,595	11,111	17,368
Pipeline transportation	<1	1,792	5,919	6,283
Scenic and sightseeing transportation and support activities for transportation	<1	19,699	21,676	45,729

Appendix

Couriers and messengers	<1	12,158	15,719	26,367
Warehousing and storage	<1	7,750	9,269	20,094
Newspaper publishers	<1	5,393	9,434	12,290
Periodical publishers	<1	2,166	3,522	6,640
Book publishers	<1	2,591	8,321	19,380
Directory, mailing list, and other publishers	<1	9,348	26,778	41,366
Greeting card publishing	0	0	0	0
Software publishers	<1	4,499	10,339	12,343
Motion picture and video industries	<1	3,665	5,378	23,039
Sound recording industries	<1	434	1,335	4,782
Radio and television broadcasting	<1	6,899	8,638	41,835
Cable and other subscription programming	<1	2,600	17,133	69,012
Wired telecommunications carriers	<1	15,250	28,322	64,937
Wireless telecommunications carriers (except satellite)	<1	2,768	15,023	53,111
Satellite, telecommunications resellers, and all other telecommunications	<1	4,499	5,631	17,079
Data processing, hosting, and related services	<1	14,400	30,234	97,559
News syndicates, libraries, archives and all other information services	<1	11,221	21,852	40,517
Internet publishing and broadcasting and web search portals	<1	14,381	37,568	121,073
Nondepository credit intermediation and related activities	<1	27,148	33,691	56,714
Securities and commodity contracts intermediation and brokerage	<1	23,112	20,752	57,249
Monetary authorities and depository credit intermediation	1	78,863	191,495	371,129
Other financial investment activities	<1	19,711	25,000	98,300
Direct life insurance carriers	<1	2,153	3,574	5,988
Insurance carriers, except direct life	<1	37,800	95,982	276,599
Insurance agencies, brokerages, and related activities	1	83,830	116,057	366,935
Funds, trusts, and other financial vehicles	<1	9,610	16,074	66,106
Other real estate	6	94,868	327,468	1,015,118
Tenant-occupied housing	<1	4,964	109,536	123,215

Appendix

Owner-occupied dwellings	0	0	347,799	441,516
Automotive equipment rental and leasing	<1	6,804	21,711	38,025
General and consumer goods rental except video tapes and discs	<1	6,385	9,190	18,754
Video tape and disc rental	<1	1,352	2,399	3,930
Commercial and industrial machinery and equipment rental and leasing	<1	11,735	30,764	52,594
Lessors of nonfinancial intangible assets	<1	203	18,037	20,527
Legal services	<1	54,558	84,568	135,458
Accounting, tax preparation, bookkeeping, and payroll services	<1	33,899	47,076	77,569
Architectural, engineering, and related services	<1	52,282	58,436	112,590
Specialized design services	<1	4,828	8,259	13,783
Custom computer programming services	<1	20,015	20,556	31,168
Computer systems design services	<1	14,121	12,421	17,168
Other computer related services, including facilities management	<1	26,586	31,931	72,121
Management consulting services	3	207,873	216,687	396,265
Environmental and other technical consulting services	<1	12,247	12,885	20,564
Scientific research and development services	20	1,563,927	1,879,083	4,078,966
Advertising, public relations, and related services	<1	14,783	21,542	46,835
Photographic services	<1	1,050	2,886	6,136
Veterinary services	<1	4,573	5,870	9,800
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	28,081	55,519	111,753
Management of companies and enterprises	<1	103,778	119,827	208,199
Office administrative services	<1	30,040	18,264	37,682
Facilities support services	<1	913	1,472	3,321
Employment services	3	89,608	142,182	219,162
Business support services	2	90,559	81,135	137,272
Travel arrangement and reservation services	<1	5,980	8,240	20,653
Investigation and security services	<1	8,187	8,144	12,330
Services to buildings	<1	17,468	25,632	51,955
Landscape and horticultural services	2	87,264	110,624	202,006

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Other support services	<1	13,591	18,006	37,213
Waste management and remediation services	<1	20,859	31,799	52,557
Elementary and secondary schools	<1	5,208	4,331	5,478
Junior colleges, colleges, universities, and professional schools	15	460,257	606,748	928,730
Other educational services	<1	8,552	9,586	20,046
Offices of physicians	1	101,277	106,085	155,592
Offices of dentists	<1	21,626	27,394	41,859
Offices of other health practitioners	<1	17,248	25,391	35,621
Outpatient care centers	<1	16,836	15,630	29,713
Medical and diagnostic laboratories	<1	7,303	10,657	15,116
Home health care services	<1	27,639	26,667	37,388
Other ambulatory health care services	<1	5,541	6,205	10,656
Hospitals	2	157,199	176,761	325,866
Nursing and community care facilities	<1	24,049	27,298	49,823
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,426	8,130	13,973
Individual and family services	<1	16,800	15,270	23,860
Child day care services	<1	5,810	9,162	13,060
Community food, housing, and other relief services, including rehabilitation services	<1	3,375	3,350	8,873
Performing arts companies	<1	3,041	4,082	10,183
Commercial Sports Except Racing	<1	4,979	4,423	9,617
Racing and Track Operation	<1	387	601	1,405
Independent artists, writers, and performers	<1	3,352	8,207	17,218
Promoters of performing arts and sports and agents for public figures	<1	3,404	5,336	16,213
Museums, historical sites, zoos, and parks	<1	652	832	1,743
Amusement parks and arcades	<1	1,065	3,276	4,489
Gambling industries (except casino hotels)	<1	3,262	8,319	13,963
Other amusement and recreation industries	<1	5,140	6,480	12,063
Fitness and recreational sports centers	<1	4,184	6,237	10,798
Bowling centers	<1	574	1,002	1,842

Appendix

Hotels and motels, including casino hotels	<1	2,540	5,125	8,419
Other accommodations	<1	576	880	1,236
Full-service restaurants	2	46,762	70,018	128,099
Limited-service restaurants	2	31,604	51,939	119,385
All other food and drinking places	1	31,661	47,652	78,212
Automotive repair and maintenance, except car washes	<1	33,798	37,238	57,518
Car washes	<1	16,107	24,024	37,603
Electronic and precision equipment repair and maintenance	<1	12,493	15,462	26,580
Commercial and industrial machinery and equipment repair and maintenance	<1	14,438	16,165	24,255
Personal and household goods repair and maintenance	<1	4,546	8,248	12,242
Personal care services	<1	9,585	8,484	12,116
Death care services	<1	2,237	1,419	2,267
Dry-cleaning and laundry services	<1	6,922	4,112	6,129
Other personal services	<1	7,555	9,258	14,519
Religious organizations	<1	12,264	5,569	22,492
Grantmaking, giving, and social advocacy organizations	<1	3,086	9,522	16,217
Business and professional associations	<1	6,741	11,471	22,707
Labor and civic organizations	<1	3,048	8,428	17,505
Private households	<1	3,524	3,523	3,523
Postal service	<1	16,418	16,425	17,649
Federal electric utilities	0	0	0	0
Other federal government enterprises	9	221,143	-69,394	1,072,703
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	22,981	28,077	53,446
Local government passenger transit	<1	2,338	-1,625	1,729
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	20,986	45,833	102,715
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	478,670	818,445	1,395,540

Moon to Mars Campaign

Table 662: Detailed M2M Campaign Impacts by Types of Impact, Idaho

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	5	303,211	471,687	826,002
Oilseed farming	<1	10	57	93
Grain farming	<1	329	716	2,186
Vegetable and melon farming	<1	181	370	673
Fruit farming	<1	23	52	71
Tree nut farming	<1	<1	1	1
Greenhouse, nursery, and floriculture production	<1	39	60	108
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	139	199	366
All other crop farming	<1	79	121	222
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	171	407	1,207
Dairy cattle and milk production	<1	148	313	1,575
Poultry and egg production	<1	10	18	162
Animal production, except cattle and poultry and eggs	<1	264	922	1,270
Forestry, forest products, and timber tract production	<1	4	5	6
Commercial logging	<1	50	52	81
Commercial fishing	<1	6	12	13
Commercial hunting and trapping	<1	13	40	47
Support activities for agriculture and forestry	<1	525	529	637
Oil and gas extraction	<1	21	50	729

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	16	8	70
Iron ore mining	0	0	0	0
Gold ore mining	<1	55	57	94
Silver ore mining	<1	118	90	270
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	4	3	9
Stone mining and quarrying	<1	23	8	79
Sand and gravel mining	<1	44	31	121
Other clay, ceramic, refractory minerals mining	<1	<1	<1	<1
Potash, soda, and borate mineral mining	<1	3	3	7
Phosphate rock mining	<1	19	10	37
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	10	7	36
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	2	4	26
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	86	282	615
Electric power generation - Fossil fuel	<1	4	16	45
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	3	6
Electric power generation - Wind	<1	16	146	286
Electric power generation - Geothermal	<1	5	11	25
Electric power generation - Biomass	<1	5	26	77
Electric power generation - All other	<1	9	7	27
Electric power transmission and distribution	<1	923	3,387	8,335
Natural gas distribution	<1	148	449	1,046
Water, sewage and other systems	<1	49	106	219
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,009	1,808	4,005
Maintenance and repair construction of residential structures	<1	370	623	1,405
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	2	3	18
Other animal food manufacturing	<1	89	119	792
Flour milling	<1	27	36	262
Rice milling	0	0	0	0
Malt manufacturing	<1	13	17	105
Wet corn milling	<1	31	50	194
Soybean and other oilseed processing	<1	2	6	67
Fats and oils refining and blending	<1	1	2	18
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	60	81	404
Sugar cane mills and refining	<1	21	34	172
Nonchocolate confectionery manufacturing	<1	1	2	6
Chocolate and confectionery manufacturing from cacao beans	<1	3	4	30
Confectionery manufacturing from purchased chocolate	<1	2	2	14
Frozen fruits, juices and vegetables manufacturing	<1	132	186	685
Frozen specialties manufacturing	<1	80	93	458
Canned fruits and vegetables manufacturing	<1	11	15	58

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Canned specialties	<1	12	18	76
Dehydrated food products manufacturing	<1	72	95	405
Cheese manufacturing	<1	188	226	2,324
Dry, condensed, and evaporated dairy product manufacturing	<1	50	78	559
Fluid milk manufacturing	<1	118	146	944
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	4
Frozen cakes and other pastries manufacturing	<1	40	51	90
Poultry processing	<1	11	13	47
Animal, except poultry, slaughtering	<1	69	79	576
Meat processed from carcasses	<1	376	356	2,481
Rendering and meat byproduct processing	<1	6	6	26
Seafood product preparation and packaging	<1	40	44	204
Bread and bakery product, except frozen, manufacturing	<1	149	180	422
Cookie and cracker manufacturing	<1	97	117	361
Dry pasta, mixes, and dough manufacturing	<1	8	11	60
Tortilla manufacturing	<1	29	32	99
Roasted nuts and peanut butter manufacturing	<1	10	12	63
Other snack food manufacturing	<1	13	17	80
Coffee and tea manufacturing	<1	4	5	30
Flavoring syrup and concentrate manufacturing	<1	8	25	74
Mayonnaise, dressing, and sauce manufacturing	<1	19	25	104
Spice and extract manufacturing	<1	<1	<1	4
All other food manufacturing	<1	46	55	220
Bottled and canned soft drinks & water	<1	74	101	652
Manufactured ice	<1	4	2	14
Breweries	<1	45	86	359
Wineries	<1	34	48	268
Distilleries	<1	8	26	68
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	<1	3
Broadwoven fabric mills	<1	<1	<1	2
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	1	2	9
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	<1	2	3	13
Carpet and rug mills	<1	8	17	80
Curtain and linen mills	<1	<1	<1	1
Textile bag and canvas mills	<1	1	2	5
Rope, cordage, twine, tire cord and tire fabric mills	<1	4	6	16
Other textile product mills	<1	9	11	27
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	2	4	12
Leather and hide tanning and finishing	<1	<1	<1	2
Footwear manufacturing	<1	<1	<1	4
Other leather and allied product manufacturing	<1	<1	<1	2
Sawmills	<1	91	121	346
Wood preservation	<1	6	12	41
Veneer and plywood manufacturing	<1	16	21	56
Engineered wood member and truss manufacturing	<1	23	30	79
Reconstituted wood product manufacturing	<1	2	4	15
Wood windows and door manufacturing	<1	99	122	342
Cut stock, resawing lumber, and planing	<1	21	30	82
Other millwork, including flooring	<1	52	71	180
Wood container and pallet manufacturing	<1	35	43	110
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	8	9	26
All other miscellaneous wood product manufacturing	<1	22	29	86
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	61	98	417
Paperboard mills	<1	15	27	117
Paperboard container manufacturing	<1	87	119	465
Paper bag and coated and treated paper manufacturing	<1	70	104	373
Stationery product manufacturing	<1	2	3	17
Sanitary paper product manufacturing	<1	<1	2	11
All other converted paper product manufacturing	<1	<1	1	6
Printing	<1	280	729	1,287
Support activities for printing	<1	4	11	16
Petroleum refineries	<1	15	65	903
Asphalt paving mixture and block manufacturing	<1	<1	1	9
Asphalt shingle and coating materials manufacturing	<1	1	3	13
Petroleum lubricating oil and grease manufacturing	<1	5	10	54
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	2	5	85
Industrial gas manufacturing	<1	<1	<1	7
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	3	3	22
Other basic organic chemical manufacturing	<1	4	5	72
Plastics material and resin manufacturing	<1	<1	<1	11
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	16	20	149
Phosphatic fertilizer manufacturing	<1	31	38	218
Fertilizer mixing	<1	<1	1	7
Pesticide and other agricultural chemical manufacturing	<1	2	2	14
Medicinal and botanical manufacturing	<1	3	3	13
Pharmaceutical preparation manufacturing	<1	10	15	100
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	<1	2	2	8
Paint and coating manufacturing	<1	<1	<1	3
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	1	2	24
Polish and other sanitation good manufacturing	<1	<1	<1	3
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	38	47	327
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	66	77	387
Other miscellaneous chemical product manufacturing	<1	32	35	177
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	11	19	77
Unlaminated plastics profile shape manufacturing	<1	5	12	48
Plastics pipe and pipe fitting manufacturing	<1	8	25	100
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5	11	34
Polystyrene foam product manufacturing	<1	8	15	47
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	1	4
Plastics bottle manufacturing	<1	4	7	33
Other plastics product manufacturing	<1	60	95	301
Tire manufacturing	<1	15	25	127
Rubber and plastics hoses and belting manufacturing	<1	1	2	5
Other rubber product manufacturing	<1	4	7	23
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	<1	3	4	11
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	5	8	28
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	<1	1	5
Cement manufacturing	<1	3	6	17
Ready-mix concrete manufacturing	<1	60	97	345
Concrete block and brick manufacturing	<1	16	27	79
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	7	10	28
Lime manufacturing	<1	<1	2	10
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	<1	<1	1
Cut stone and stone product manufacturing	<1	13	16	41
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	<1	<1
Miscellaneous nonmetallic mineral products manufacturing	<1	1	4	10
Iron and steel mills and ferroalloy manufacturing	<1	2	6	36
Iron, steel pipe and tube manufacturing from purchased steel	<1	1	3	12
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	<1	<1	4
Secondary smelting and alloying of aluminum	<1	<1	<1	4
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	<1	2
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	5	16
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	<1	<1	2
Secondary processing of other nonferrous metals	<1	<1	1	6
Ferrous metal foundries	<1	2	4	9
Nonferrous metal foundries	<1	5	10	22
Custom roll forming	<1	2	3	30
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	2	4	20

Appendix

Nonferrous forging	<1	<1	<1	2
Cutlery, utensil, pot, and pan manufacturing	<1	22	51	194
Handtool manufacturing	<1	3	5	12
Prefabricated metal buildings and components manufacturing	<1	5	6	21
Fabricated structural metal manufacturing	<1	28	38	141
Plate work manufacturing	<1	11	11	38
Metal window and door manufacturing	<1	2	2	6
Sheet metal work manufacturing	<1	21	26	89
Ornamental and architectural metal work manufacturing	<1	7	8	29
Power boiler and heat exchanger manufacturing	<1	<1	<1	1
Metal tank (heavy gauge) manufacturing	<1	5	6	20
Metal cans manufacturing	<1	2	3	18
Metal barrels, drums and pails manufacturing	<1	<1	<1	<1
Hardware manufacturing	<1	3	4	16
Spring and wire product manufacturing	<1	<1	1	6
Machine shops	<1	74	87	175
Turned product and screw, nut, and bolt manufacturing	<1	7	10	37
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	3	4	18
Electroplating, anodizing, and coloring metal	<1	4	5	12
Valve and fittings, other than plumbing, manufacturing	<1	2	3	12
Plumbing fixture fitting and trim manufacturing	<1	3	6	29
Ball and roller bearing manufacturing	<1	10	17	49
Small arms ammunition manufacturing	<1	217	403	941
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6	11	32
Fabricated pipe and pipe fitting manufacturing	<1	3	3	10
Other fabricated metal manufacturing	<1	27	34	112
Farm machinery and equipment manufacturing	<1	7	12	58

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Lawn and garden equipment manufacturing	<1	<1	2	9
Construction machinery manufacturing	<1	3	7	27
Mining machinery and equipment manufacturing	<1	<1	<1	1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	3	3	11
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	4	6	22
Air purification and ventilation equipment manufacturing	<1	<1	<1	<1
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	3
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1	2	8
Industrial mold manufacturing	<1	2	2	4
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	6	6	15
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	2
Mechanical power transmission equipment manufacturing	<1	<1	<1	2
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	<1	<1	1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	1
Power-driven handtool manufacturing	<1	<1	<1	<1
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	<1	<1	1
Fluid power pump and motor manufacturing	<1	<1	1	8
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	1	3
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	<1	2	4
Computer terminals and other computer peripheral equipment manufacturing	<1	23	37	89
Telephone apparatus manufacturing	<1	<1	1	3
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	1	4
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	1	5
Bare printed circuit board manufacturing	<1	<1	<1	2
Semiconductor and related device manufacturing	<1	86	147	371

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	13	21	51
Other electronic component manufacturing	<1	3	4	10
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	<1	<1
Industrial process variable instruments manufacturing	<1	3	4	12
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	2	3	8
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	2	3	6
Electric lamp bulb and part manufacturing	<1	<1	1	3
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	<1	2	5	14
Household cooking appliance manufacturing	<1	<1	2	5
Household refrigerator and home freezer manufacturing	<1	<1	2	5
Household laundry equipment manufacturing	<1	1	3	11
Other major household appliance manufacturing	<1	<1	<1	2
Power, distribution, and specialty transformer manufacturing	<1	2	3	10
Motor and generator manufacturing	<1	<1	<1	<1
Switchgear and switchboard apparatus manufacturing	<1	1	2	6

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Relay and industrial control manufacturing	<1	<1	<1	1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	11	41	63
Fiber optic cable manufacturing	<1	4	5	24
Other communication and energy wire manufacturing	<1	<1	<1	4
Wiring device manufacturing	<1	<1	2	4
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	12	-3	304
Heavy duty truck manufacturing	<1	1	<1	14
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	<1	57	40	304
Travel trailer and camper manufacturing	<1	83	81	417
Motor vehicle gasoline engine and engine parts manufacturing	<1	2	1	17
Motor vehicle electrical and electronic equipment manufacturing	<1	61	49	296
Motor vehicle transmission and power train parts manufacturing	<1	3	2	13
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	9	6	76
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4	3	18
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	2	3	13
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	1	4
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	<1	1	1	4
Boat building	<1	30	37	168
Motorcycle, bicycle, and parts manufacturing	<1	3	8	31
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	13	21	102
Wood kitchen cabinet and countertop manufacturing	<1	26	30	84
Upholstered household furniture manufacturing	<1	35	39	144
Nonupholstered wood household furniture manufacturing	<1	4	4	14
Other household nonupholstered furniture manufacturing	<1	2	2	9
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	1
Office furniture, except wood, manufacturing	<1	<1	<1	2
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	4
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	2	6
Surgical appliance and supplies manufacturing	<1	3	8	27
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	4	4	10
Jewelry and silverware manufacturing	<1	8	15	45
Sporting and athletic goods manufacturing	<1	3	6	32
Doll, toy, and game manufacturing	<1	<1	<1	2
Office supplies (except paper) manufacturing	<1	2	4	16
Sign manufacturing	<1	20	19	83
Gasket, packing, and sealing device manufacturing	0	0	0	0

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Musical instrument manufacturing	<1	<1	<1	3
Fasteners, buttons, needles, and pins manufacturing	<1	<1	1	4
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	<1	<1	3
All other miscellaneous manufacturing	<1	22	36	147
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	219	501	1,177
Wholesale - Professional and commercial equipment and supplies	<1	757	1,183	2,015
Wholesale - Household appliances and electrical and electronic goods	<1	380	875	1,709
Wholesale - Machinery, equipment, and supplies	<1	485	912	1,627
Wholesale - Other durable goods merchant wholesalers	<1	747	1,269	2,534
Wholesale - Drugs and druggists' sundries	<1	348	985	1,778
Wholesale - Grocery and related product wholesalers	<1	695	937	1,882
Wholesale - Petroleum and petroleum products	<1	93	1,596	1,864
Wholesale - Other nondurable goods merchant wholesalers	<1	1,216	2,578	5,019
Wholesale - Wholesale electronic markets and agents and brokers	<1	331	344	414
Retail - Motor vehicle and parts dealers	<1	976	1,475	2,221
Retail - Furniture and home furnishings stores	<1	559	690	1,094
Retail - Electronics and appliance stores	<1	500	497	908
Retail - Building material and garden equipment and supplies stores	<1	587	1,017	1,538
Retail - Food and beverage stores	<1	1,946	2,420	3,769
Retail - Health and personal care stores	<1	705	877	1,443
Retail - Gasoline stores	<1	547	815	1,514
Retail - Clothing and clothing accessories stores	<1	447	686	1,547
Retail - Sporting goods, hobby, musical instrument and book stores	<1	406	528	919
Retail - General merchandise stores	<1	1,515	2,088	3,471

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Retail - Miscellaneous store retailers	<1	801	942	1,607
Retail - Nonstore retailers	<1	1,620	3,452	6,726
Air transportation	<1	662	1,219	2,572
Rail transportation	<1	223	556	943
Water transportation	<1	56	61	395
Truck transportation	<1	1,697	2,057	4,147
Transit and ground passenger transportation	<1	446	571	866
Pipeline transportation	<1	39	145	158
Scenic and sightseeing transportation and support activities for transportation	<1	1,092	1,207	2,570
Couriers and messengers	<1	555	733	1,228
Warehousing and storage	<1	402	482	1,037
Newspaper publishers	<1	227	399	512
Periodical publishers	<1	98	161	290
Book publishers	<1	97	314	721
Directory, mailing list, and other publishers	<1	30	89	136
Greeting card publishing	0	0	0	0
Software publishers	<1	236	551	657
Motion picture and video industries	<1	189	275	1,074
Sound recording industries	<1	13	39	134
Radio and television broadcasting	<1	364	433	1,719
Cable and other subscription programming	<1	182	849	2,894
Wired telecommunications carriers	<1	648	1,158	2,634
Wireless telecommunications carriers (except satellite)	<1	131	721	2,506
Satellite, telecommunications resellers, and all other telecommunications	<1	163	200	597
Data processing, hosting, and related services	<1	440	911	2,809
News syndicates, libraries, archives and all other information services	<1	174	349	615
Internet publishing and broadcasting and web search portals	<1	481	1,270	3,794
Nondepository credit intermediation and related activities	<1	1,077	1,341	2,186
Securities and commodity contracts intermediation and brokerage	<1	1,202	1,060	2,681

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Monetary authorities and depository credit intermediation	<1	3,600	8,776	16,790
Other financial investment activities	<1	1,286	1,591	5,598
Direct life insurance carriers	<1	101	176	287
Insurance carriers, except direct life	<1	1,837	4,921	13,536
Insurance agencies, brokerages, and related activities	<1	1,299	1,882	5,649
Funds, trusts, and other financial vehicles	<1	566	976	3,450
Other real estate	<1	5,077	16,827	48,803
Tenant-occupied housing	<1	295	6,696	7,393
Owner-occupied dwellings	0	0	20,950	26,595
Automotive equipment rental and leasing	<1	206	580	977
General and consumer goods rental except video tapes and discs	<1	264	363	712
Video tape and disc rental	<1	75	132	215
Commercial and industrial machinery and equipment rental and leasing	<1	234	573	964
Lessors of nonfinancial intangible assets	<1	10	904	1,023
Legal services	<1	3,043	4,783	7,550
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,400	1,997	3,207
Architectural, engineering, and related services	<1	2,510	2,845	5,408
Specialized design services	<1	117	205	336
Custom computer programming services	<1	608	620	930
Computer systems design services	<1	543	478	654
Other computer related services, including facilities management	<1	804	957	2,122
Management consulting services	<1	4,040	4,238	7,553
Environmental and other technical consulting services	<1	705	751	1,184
Scientific research and development services	1	103,850	123,717	261,705
Advertising, public relations, and related services	<1	713	1,060	2,208
Photographic services	<1	48	143	290
Veterinary services	<1	257	338	551
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,647	3,384	6,586

Appendix

Management of companies and enterprises	<1	5,909	6,863	11,714
Office administrative services	<1	1,817	1,182	2,247
Facilities support services	<1	44	71	153
Employment services	<1	4,736	7,656	11,334
Business support services	<1	1,333	1,212	1,984
Travel arrangement and reservation services	<1	294	408	1,015
Investigation and security services	<1	405	405	596
Services to buildings	<1	877	1,308	2,543
Landscape and horticultural services	<1	796	1,018	1,819
Other support services	<1	241	322	655
Waste management and remediation services	<1	948	1,443	2,362
Elementary and secondary schools	<1	356	297	371
Junior colleges, colleges, universities, and professional schools	<1	795	1,045	1,536
Other educational services	<1	434	490	990
Offices of physicians	<1	5,688	5,986	8,776
Offices of dentists	<1	1,230	1,582	2,393
Offices of other health practitioners	<1	957	1,441	2,004
Outpatient care centers	<1	971	908	1,743
Medical and diagnostic laboratories	<1	423	631	882
Home health care services	<1	1,565	1,517	2,142
Other ambulatory health care services	<1	316	358	609
Hospitals	<1	9,972	11,132	20,417
Nursing and community care facilities	<1	1,416	1,609	2,880
Residential mental retardation, mental health, substance abuse and other facilities	<1	480	527	892
Individual and family services	<1	1,005	922	1,426
Child day care services	<1	347	554	777
Community food, housing, and other relief services, including rehabilitation services	<1	217	216	561
Performing arts companies	<1	184	243	568
Commercial Sports Except Racing	<1	232	200	431
Racing and Track Operation	<1	24	37	79
Independent artists, writers, and performers	<1	182	417	857

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Promoters of performing arts and sports and agents for public figures	<1	187	287	826
Museums, historical sites, zoos, and parks	<1	37	48	98
Amusement parks and arcades	<1	66	183	251
Gambling industries (except casino hotels)	<1	196	487	807
Other amusement and recreation industries	<1	276	335	617
Fitness and recreational sports centers	<1	245	347	596
Bowling centers	<1	32	54	99
Hotels and motels, including casino hotels	<1	123	244	397
Other accommodations	<1	39	59	82
Full-service restaurants	<1	2,357	3,567	6,410
Limited-service restaurants	<1	1,742	2,885	6,460
All other food and drinking places	<1	1,622	2,444	3,929
Automotive repair and maintenance, except car washes	<1	1,867	1,989	3,071
Car washes	<1	882	1,310	2,039
Electronic and precision equipment repair and maintenance	<1	396	493	830
Commercial and industrial machinery and equipment repair and maintenance	<1	619	682	1,012
Personal and household goods repair and maintenance	<1	228	403	597
Personal care services	<1	575	492	705
Death care services	<1	147	81	134
Dry-cleaning and laundry services	<1	388	200	309
Other personal services	<1	439	532	828
Religious organizations	<1	748	295	1,317
Grantmaking, giving, and social advocacy organizations	<1	205	593	1,014
Business and professional associations	<1	244	396	775
Labor and civic organizations	<1	198	516	1,090
Private households	<1	215	215	215
Postal service	<1	720	720	773
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	35	-12	139
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	563	686	1,227
Local government passenger transit	<1	103	-73	62
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	855	1,776	3,974
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	71,304	125,340	125,695

Investments in Climate Change Research and Technology

Table 663: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Idaho

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	27	1,396,927	2,090,635	4,339,186
Oilseed farming	<1	44	147	204
Grain farming	<1	1,956	3,363	12,910
Vegetable and melon farming	<1	824	1,667	3,064
Fruit farming	<1	88	196	270
Tree nut farming	<1	1	3	4
Greenhouse, nursery, and floriculture production	<1	200	307	569
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	661	983	1,918
All other crop farming	<1	550	815	1,563
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	893	2,787	9,146

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Dairy cattle and milk production	<1	590	1,398	7,592
Poultry and egg production	<1	72	113	1,262
Animal production, except cattle and poultry and eggs	<1	2,751	7,219	9,456
Forestry, forest products, and timber tract production	<1	22	24	32
Commercial logging	<1	306	315	530
Commercial fishing	<1	24	87	91
Commercial hunting and trapping	<1	38	232	265
Support activities for agriculture and forestry	<1	3,477	3,547	4,256
Oil and gas extraction	<1	239	442	6,143
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	219	98	870
Iron ore mining	0	0	0	0
Gold ore mining	<1	466	481	776
Silver ore mining	<1	1,260	935	2,943
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	35	29	82
Stone mining and quarrying	<1	127	63	586
Sand and gravel mining	<1	254	215	841
Other clay, ceramic, refractory minerals mining	<1	1	<1	4
Potash, soda, and borate mineral mining	<1	19	15	45
Phosphate rock mining	<1	179	95	356
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	40	33	174
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	3	3	10
Metal mining services	<1	34	52	312
Other nonmetallic minerals services	<1	2	2	14
Electric power generation - Hydroelectric	<1	506	1,567	3,458
Electric power generation - Fossil fuel	<1	17	72	220
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	4	14	33
Electric power generation - Wind	<1	147	1,268	2,687
Electric power generation - Geothermal	<1	15	39	89

Appendix

Electric power generation - Biomass	<1	27	130	433
Electric power generation - All other	<1	28	22	106
Electric power transmission and distribution	<1	4,913	18,610	49,112
Natural gas distribution	<1	880	2,570	6,435
Water, sewage and other systems	<1	483	1,055	2,330
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,491	11,610	26,733
Maintenance and repair construction of residential structures	<1	1,639	2,750	6,439
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	4	8
Dog and cat food manufacturing	<1	9	17	95
Other animal food manufacturing	<1	531	664	4,813
Flour milling	<1	178	247	1,769
Rice milling	0	0	0	0
Malt manufacturing	<1	105	138	869
Wet corn milling	<1	167	254	1,025
Soybean and other oilseed processing	<1	9	26	306
Fats and oils refining and blending	<1	6	8	74
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	<1	298	437	2,196

Appendix

Sugar cane mills and refining	<1	76	126	664
Nonchocolate confectionery manufacturing	<1	5	6	24
Chocolate and confectionery manufacturing from cacao beans	<1	7	9	81
Confectionery manufacturing from purchased chocolate	<1	11	12	76
Frozen fruits, juices and vegetables manufacturing	<1	542	735	3,146
Frozen specialties manufacturing	<1	371	436	2,214
Canned fruits and vegetables manufacturing	<1	35	49	192
Canned specialties	<1	68	107	462
Dehydrated food products manufacturing	<1	236	315	1,367
Cheese manufacturing	<1	716	863	8,795
Dry, condensed, and evaporated dairy product manufacturing	<1	229	351	2,903
Fluid milk manufacturing	<1	584	707	4,773
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1	2	23
Frozen cakes and other pastries manufacturing	<1	205	265	476
Poultry processing	<1	84	91	353
Animal, except poultry, slaughtering	<1	523	586	4,385
Meat processed from carcasses	<1	1,686	1,572	11,333
Rendering and meat byproduct processing	<1	26	27	121
Seafood product preparation and packaging	<1	335	354	1,824
Bread and bakery product, except frozen, manufacturing	<1	782	947	2,263
Cookie and cracker manufacturing	<1	371	423	1,501
Dry pasta, mixes, and dough manufacturing	<1	34	50	251
Tortilla manufacturing	<1	146	162	527
Roasted nuts and peanut butter manufacturing	<1	38	44	259
Other snack food manufacturing	<1	60	81	392
Coffee and tea manufacturing	<1	21	27	178
Flavoring syrup and concentrate manufacturing	<1	31	106	298
Mayonnaise, dressing, and sauce manufacturing	<1	85	120	515
Spice and extract manufacturing	<1	2	3	15
All other food manufacturing	<1	164	195	835

Appendix

Bottled and canned soft drinks & water	<1	379	501	3,382
Manufactured ice	<1	20	8	69
Breweries	<1	265	482	2,080
Wineries	<1	97	135	812
Distilleries	<1	43	137	377
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	2	16
Broadwoven fabric mills	<1	2	3	14
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	4	7	37
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	3
Fabric coating mills	<1	5	7	37
Carpet and rug mills	<1	34	58	360
Curtain and linen mills	<1	1	1	5
Textile bag and canvas mills	<1	6	7	24
Rope, cordage, twine, tire cord and tire fabric mills	<1	46	65	177
Other textile product mills	<1	39	46	122
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	2	3	9
Mens and boys cut and sew apparel manufacturing	<1	<1	1	5
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	1	2	9
Apparel accessories and other apparel manufacturing	<1	8	13	45
Leather and hide tanning and finishing	<1	<1	1	10
Footwear manufacturing	<1	3	4	29
Other leather and allied product manufacturing	<1	<1	1	5
Sawmills	<1	667	863	2,460
Wood preservation	<1	48	92	315
Veneer and plywood manufacturing	<1	150	193	497
Engineered wood member and truss manufacturing	<1	150	189	510
Reconstituted wood product manufacturing	<1	17	30	127
Wood windows and door manufacturing	<1	836	1,030	2,945

Appendix

Cut stock, resawing lumber, and planing	<1	144	207	567
Other millwork, including flooring	<1	351	474	1,278
Wood container and pallet manufacturing	<1	183	224	592
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	55	67	175
All other miscellaneous wood product manufacturing	<1	110	140	470
Pulp mills	0	0	0	0
Paper mills	<1	483	934	3,480
Paperboard mills	<1	179	349	1,401
Paperboard container manufacturing	<1	414	570	2,264
Paper bag and coated and treated paper manufacturing	<1	382	606	2,223
Stationery product manufacturing	<1	12	18	115
Sanitary paper product manufacturing	<1	5	12	70
All other converted paper product manufacturing	<1	5	7	35
Printing	<1	1,266	3,122	6,175
Support activities for printing	<1	15	38	59
Petroleum refineries	<1	101	429	5,974
Asphalt paving mixture and block manufacturing	<1	6	8	58
Asphalt shingle and coating materials manufacturing	<1	10	20	94
Petroleum lubricating oil and grease manufacturing	<1	25	48	266
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	50	132	2,334
Industrial gas manufacturing	<1	5	6	61
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	21	23	155
Other basic organic chemical manufacturing	<1	37	44	622
Plastics material and resin manufacturing	<1	6	7	86
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	73	86	704
Phosphatic fertilizer manufacturing	<1	224	252	1,496
Fertilizer mixing	<1	6	6	38
Pesticide and other agricultural chemical manufacturing	<1	14	18	126
Medicinal and botanical manufacturing	<1	8	7	39
Pharmaceutical preparation manufacturing	<1	30	40	293
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	3	4	17
Paint and coating manufacturing	<1	2	2	16
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	6	8	115
Polish and other sanitation good manufacturing	<1	3	3	15
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	128	146	1,082
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	403	451	2,374
Other miscellaneous chemical product manufacturing	<1	203	207	1,021
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	48	89	368
Unlaminated plastics profile shape manufacturing	<1	24	62	252
Plastics pipe and pipe fitting manufacturing	<1	43	138	528
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	31	67	204
Polystyrene foam product manufacturing	<1	52	98	313
Urethane and other foam product (except polystyrene) manufacturing	<1	4	7	20
Plastics bottle manufacturing	<1	15	26	130
Other plastics product manufacturing	<1	318	502	1,682

Appendix

Tire manufacturing	<1	105	174	864
Rubber and plastics hoses and belting manufacturing	<1	8	14	33
Other rubber product manufacturing	<1	24	36	116
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	1	5
Brick, tile, and other structural clay product manufacturing	<1	17	29	69
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	29	51	165
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	4	7	29
Cement manufacturing	<1	17	41	117
Ready-mix concrete manufacturing	<1	411	692	2,422
Concrete block and brick manufacturing	<1	83	151	416
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	50	71	199
Lime manufacturing	<1	12	28	121
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	<1	2	6
Cut stone and stone product manufacturing	<1	86	102	266
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	<1	2
Miscellaneous nonmetallic mineral products manufacturing	<1	8	22	61
Iron and steel mills and ferroalloy manufacturing	<1	11	38	179
Iron, steel pipe and tube manufacturing from purchased steel	<1	5	16	59
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	1	4	24
Secondary smelting and alloying of aluminum	<1	1	3	25
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	1	7

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	8	95	240
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	<1	1	9
Secondary processing of other nonferrous metals	<1	2	7	29
Ferrous metal foundries	<1	9	24	55
Nonferrous metal foundries	<1	18	40	85
Custom roll forming	<1	7	10	90
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	8	12	67
Nonferrous forging	<1	<1	<1	6
Cutlery, utensil, pot, and pan manufacturing	<1	84	191	755
Handtool manufacturing	<1	9	13	37
Prefabricated metal buildings and components manufacturing	<1	24	33	118
Fabricated structural metal manufacturing	<1	194	270	1,008
Plate work manufacturing	<1	80	86	292
Metal window and door manufacturing	<1	8	11	31
Sheet metal work manufacturing	<1	118	150	532
Ornamental and architectural metal work manufacturing	<1	42	52	186
Power boiler and heat exchanger manufacturing	<1	1	2	5
Metal tank (heavy gauge) manufacturing	<1	21	25	94
Metal cans manufacturing	<1	7	14	77
Metal barrels, drums and pails manufacturing	<1	<1	<1	<1
Hardware manufacturing	<1	13	19	80
Spring and wire product manufacturing	<1	2	3	15
Machine shops	<1	318	376	781
Turned product and screw, nut, and bolt manufacturing	<1	26	36	139
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	14	23	92
Electroplating, anodizing, and coloring metal	<1	17	19	51
Valve and fittings, other than plumbing, manufacturing	<1	12	18	64

Appendix

Plumbing fixture fitting and trim manufacturing	<1	12	30	140
Ball and roller bearing manufacturing	<1	32	53	162
Small arms ammunition manufacturing	<1	999	1,813	4,619
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	24	41	132
Fabricated pipe and pipe fitting manufacturing	<1	20	24	75
Other fabricated metal manufacturing	<1	124	156	535
Farm machinery and equipment manufacturing	<1	32	55	262
Lawn and garden equipment manufacturing	<1	3	5	31
Construction machinery manufacturing	<1	34	70	294
Mining machinery and equipment manufacturing	<1	3	5	17
Oil and gas field machinery and equipment manufacturing	<1	<1	1	4
Semiconductor machinery manufacturing	<1	6	7	28
Food product machinery manufacturing	<1	1	2	6
Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	2	3	10
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	18	27	107
Air purification and ventilation equipment manufacturing	<1	<1	<1	2
Heating equipment (except warm air furnaces) manufacturing	<1	5	7	26
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	8	14	53
Industrial mold manufacturing	<1	7	8	19
Special tool, die, jig, and fixture manufacturing	0	0	0	0

Appendix

Cutting tool and machine tool accessory manufacturing	<1	23	26	64
Machine tool manufacturing	<1	<1	<1	2
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	3	10
Mechanical power transmission equipment manufacturing	<1	4	5	15
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	3	10
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	<1	<1	1
Conveyor and conveying equipment manufacturing	<1	2	2	7
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	1
Industrial truck, trailer, and stacker manufacturing	<1	1	2	8
Power-driven handtool manufacturing	<1	<1	<1	<1
Welding and soldering equipment manufacturing	<1	<1	1	5
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2	2	6
Fluid power pump and motor manufacturing	<1	1	2	11
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	14
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	<1	2	5	10
Computer terminals and other computer peripheral equipment manufacturing	<1	76	129	311
Telephone apparatus manufacturing	<1	11	19	40

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	3	6	17
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	2	3	13
Bare printed circuit board manufacturing	<1	3	4	9
Semiconductor and related device manufacturing	<1	188	347	954
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	44	69	169
Other electronic component manufacturing	<1	9	12	31
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	1	2
Industrial process variable instruments manufacturing	<1	11	18	49
Totalizing fluid meter and counting device manufacturing	<1	<1	2	3
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	4	7	20
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	9	13	33
Electric lamp bulb and part manufacturing	<1	1	3	10
Lighting fixture manufacturing	<1	1	2	5
Small electrical appliance manufacturing	<1	5	16	49

Appendix

Household cooking appliance manufacturing	<1	2	6	19
Household refrigerator and home freezer manufacturing	<1	2	8	21
Household laundry equipment manufacturing	<1	5	12	44
Other major household appliance manufacturing	<1	1	3	9
Power, distribution, and specialty transformer manufacturing	<1	7	14	43
Motor and generator manufacturing	<1	1	2	5
Switchgear and switchboard apparatus manufacturing	<1	6	12	32
Relay and industrial control manufacturing	<1	1	2	5
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	40	85	237
Fiber optic cable manufacturing	<1	12	17	90
Other communication and energy wire manufacturing	<1	2	4	17
Wiring device manufacturing	<1	2	5	13
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	3
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	<1	201	-82	4,826
Heavy duty truck manufacturing	<1	7	4	100
Motor vehicle body manufacturing	<1	1	1	6
Truck trailer manufacturing	<1	4	4	25
Motor home manufacturing	<1	565	452	3,330
Travel trailer and camper manufacturing	<1	569	574	2,890
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	7	89
Motor vehicle electrical and electronic equipment manufacturing	<1	426	389	2,595
Motor vehicle transmission and power train parts manufacturing	<1	9	7	47
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	56	50	503

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	21	17	97
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	<1	<1	4
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	1	7
Ship building and repairing	<1	7	8	25
Boat building	<1	202	248	1,154
Motorcycle, bicycle, and parts manufacturing	<1	10	22	90
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	55	82	421
Wood kitchen cabinet and countertop manufacturing	<1	147	188	515
Upholstered household furniture manufacturing	<1	107	118	437
Nonupholstered wood household furniture manufacturing	<1	16	18	60
Other household nonupholstered furniture manufacturing	<1	6	9	37
Institutional furniture manufacturing	<1	1	2	6
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	2	1	6
Office furniture, except wood, manufacturing	<1	2	2	9
Showcase, partition, shelving, and locker manufacturing	<1	4	5	21
Mattress manufacturing	<1	2	4	18
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	<1	3	8	26
Surgical appliance and supplies manufacturing	<1	9	24	93
Dental equipment and supplies manufacturing	<1	<1	<1	1

Appendix

Ophthalmic goods manufacturing	<1	1	4	9
Dental laboratories	<1	12	13	35
Jewelry and silverware manufacturing	<1	41	69	216
Sporting and athletic goods manufacturing	<1	13	25	145
Doll, toy, and game manufacturing	<1	<1	2	7
Office supplies (except paper) manufacturing	<1	12	23	104
Sign manufacturing	<1	154	139	637
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	1	1	5
Fasteners, buttons, needles, and pins manufacturing	<1	2	3	14
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	5	8	33
All other miscellaneous manufacturing	<1	101	159	701
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,040	2,398	5,607
Wholesale - Professional and commercial equipment and supplies	<1	3,291	5,166	8,930
Wholesale - Household appliances and electrical and electronic goods	<1	1,851	4,390	8,636
Wholesale - Machinery, equipment, and supplies	<1	2,868	5,488	9,770
Wholesale - Other durable goods merchant wholesalers	<1	3,822	6,513	13,092
Wholesale - Drugs and druggists' sundries	<1	1,546	4,514	8,300
Wholesale - Grocery and related product wholesalers	<1	3,739	5,091	10,323
Wholesale - Petroleum and petroleum products	<1	689	8,066	9,733
Wholesale - Other nondurable goods merchant wholesalers	<1	6,005	12,120	24,450
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,764	1,833	2,219
Retail - Motor vehicle and parts dealers	<1	4,813	7,263	11,047
Retail - Furniture and home furnishings stores	<1	2,567	3,165	5,126
Retail - Electronics and appliance stores	<1	2,359	2,290	4,309

Appendix

Retail - Building material and garden equipment and supplies stores	<1	2,916	5,064	7,724
Retail - Food and beverage stores	<1	8,178	10,306	16,467
Retail - Health and personal care stores	<1	3,344	4,138	6,853
Retail - Gasoline stores	<1	2,478	3,933	7,762
Retail - Clothing and clothing accessories stores	<1	1,972	3,086	7,262
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,876	2,444	4,380
Retail - General merchandise stores	<1	7,681	10,495	17,544
Retail - Miscellaneous store retailers	<1	3,506	4,170	7,452
Retail - Nonstore retailers	<1	7,256	14,573	29,419
Air transportation	<1	3,564	6,157	13,457
Rail transportation	<1	1,273	3,806	5,945
Water transportation	<1	264	283	1,941
Truck transportation	<1	8,818	10,919	22,562
Transit and ground passenger transportation	<1	1,535	1,930	3,181
Pipeline transportation	<1	499	1,379	1,494
Scenic and sightseeing transportation and support activities for transportation	<1	6,611	7,277	15,318
Couriers and messengers	<1	2,739	3,599	6,121
Warehousing and storage	<1	1,978	2,369	5,207
Newspaper publishers	<1	1,323	2,287	3,002
Periodical publishers	<1	390	628	1,220
Book publishers	<1	505	1,622	3,826
Directory, mailing list, and other publishers	<1	213	598	926
Greeting card publishing	0	0	0	0
Software publishers	<1	1,087	2,465	2,965
Motion picture and video industries	<1	711	1,013	4,849
Sound recording industries	<1	59	168	640
Radio and television broadcasting	<1	1,285	1,665	9,481
Cable and other subscription programming	<1	373	2,721	11,882
Wired telecommunications carriers	<1	3,316	6,188	14,477
Wireless telecommunications carriers (except satellite)	<1	689	3,634	13,223

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	749	972	3,159
Data processing, hosting, and related services	<1	1,960	4,105	14,734
News syndicates, libraries, archives and all other information services	<1	674	1,302	2,542
Internet publishing and broadcasting and web search portals	<1	1,924	5,131	22,374
Nondepository credit intermediation and related activities	<1	4,673	5,687	9,930
Securities and commodity contracts intermediation and brokerage	<1	5,131	4,702	14,206
Monetary authorities and depository credit intermediation	<1	22,236	50,259	101,587
Other financial investment activities	<1	4,086	5,261	22,637
Direct life insurance carriers	<1	536	878	1,525
Insurance carriers, except direct life	<1	9,583	23,594	70,948
Insurance agencies, brokerages, and related activities	<1	7,160	10,109	31,788
Funds, trusts, and other financial vehicles	<1	2,251	3,743	15,845
Other real estate	2	28,122	96,757	313,537
Tenant-occupied housing	<1	1,226	25,521	29,205
Owner-occupied dwellings	0	0	83,474	105,967
Automotive equipment rental and leasing	<1	682	2,558	4,607
General and consumer goods rental except video tapes and discs	<1	1,398	2,115	4,435
Video tape and disc rental	<1	340	612	1,006
Commercial and industrial machinery and equipment rental and leasing	<1	1,029	3,106	5,413
Lessors of nonfinancial intangible assets	<1	60	4,932	5,603
Legal services	<1	19,271	29,537	47,748
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,429	10,072	16,923
Architectural, engineering, and related services	<1	15,949	17,503	34,253
Specialized design services	<1	565	914	1,615
Custom computer programming services	<1	3,248	3,358	5,235

Appendix

Computer systems design services	<1	2,970	2,594	3,634
Other computer related services, including facilities management	<1	3,707	4,432	10,259
Management consulting services	<1	20,859	21,737	40,437
Environmental and other technical consulting services	<1	3,642	3,832	6,183
Scientific research and development services	8	599,987	740,701	1,616,167
Advertising, public relations, and related services	<1	3,724	5,330	11,990
Photographic services	<1	266	689	1,543
Veterinary services	<1	1,174	1,476	2,509
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,068	19,523	41,478
Management of companies and enterprises	<1	31,448	36,328	64,514
Office administrative services	<1	7,683	4,693	9,957
Facilities support services	<1	241	393	917
Employment services	<1	27,866	44,024	69,938
Business support services	<1	8,750	7,779	13,711
Travel arrangement and reservation services	<1	1,614	2,232	5,698
Investigation and security services	<1	2,232	2,214	3,440
Services to buildings	<1	5,252	7,704	16,072
Landscape and horticultural services	<1	4,624	5,865	10,928
Other support services	<1	1,424	1,891	4,056
Waste management and remediation services	<1	5,507	8,388	14,019
Elementary and secondary schools	<1	1,200	1,008	1,285
Junior colleges, colleges, universities, and professional schools	4	115,415	152,288	232,058
Other educational services	<1	2,032	2,275	4,798
Offices of physicians	<1	26,121	27,268	40,174
Offices of dentists	<1	5,434	6,805	10,464
Offices of other health practitioners	<1	4,454	6,441	9,068
Outpatient care centers	<1	4,023	3,718	7,108
Medical and diagnostic laboratories	<1	1,841	2,642	3,812
Home health care services	<1	7,250	6,971	9,879
Other ambulatory health care services	<1	1,393	1,550	2,680

Appendix

Hospitals	<1	36,925	41,610	77,552
Nursing and community care facilities	<1	5,810	6,589	12,269
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,684	1,842	3,209
Individual and family services	<1	3,747	3,355	5,320
Child day care services	<1	1,410	2,153	3,148
Community food, housing, and other relief services, including rehabilitation services	<1	747	739	1,999
Performing arts companies	<1	663	910	2,378
Commercial Sports Except Racing	<1	1,068	985	2,175
Racing and Track Operation	<1	91	147	363
Independent artists, writers, and performers	<1	715	1,913	4,057
Promoters of performing arts and sports and agents for public figures	<1	733	1,192	3,767
Museums, historical sites, zoos, and parks	<1	150	192	411
Amusement parks and arcades	<1	243	798	1,110
Gambling industries (except casino hotels)	<1	754	1,881	3,247
Other amusement and recreation industries	<1	1,214	1,535	2,963
Fitness and recreational sports centers	<1	948	1,426	2,552
Bowling centers	<1	137	243	458
Hotels and motels, including casino hotels	<1	493	1,015	1,688
Other accommodations	<1	118	182	258
Full-service restaurants	<1	11,801	17,458	32,693
Limited-service restaurants	<1	7,910	12,851	30,499
All other food and drinking places	<1	7,616	11,451	19,099
Automotive repair and maintenance, except car washes	<1	8,188	9,365	14,490
Car washes	<1	3,927	5,886	9,275
Electronic and precision equipment repair and maintenance	<1	2,269	2,784	4,905
Commercial and industrial machinery and equipment repair and maintenance	<1	3,605	4,038	6,199
Personal and household goods repair and maintenance	<1	1,176	2,210	3,311
Personal care services	<1	2,270	2,067	2,958
Death care services	<1	525	375	585

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Dry-cleaning and laundry services	<1	1,794	1,204	1,752
Other personal services	<1	1,964	2,430	3,852
Religious organizations	<1	2,818	1,459	5,445
Grantmaking, giving, and social advocacy organizations	<1	650	2,104	3,571
Business and professional associations	<1	1,150	2,017	4,013
Labor and civic organizations	<1	678	1,958	4,019
Private households	<1	855	855	855
Postal service	<1	3,806	3,808	4,096
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	171	-44	592
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	9,251	11,989	23,636
Local government passenger transit	<1	525	-285	534
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	5,374	12,550	28,088
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	41,504	98,821	164,000

Illinois

NASA

Table 664: Detailed NASA Impacts by Types of Impact, Illinois

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	621	48,306,827	74,862,539	133,566,891
Oilseed farming	<1	91,443	179,457	459,688
Grain farming	1	46,603	27,932	295,613
Vegetable and melon farming	<1	1,712	2,412	7,017
Fruit farming	<1	419	607	1,422
Tree nut farming	<1	20	31	72
Greenhouse, nursery, and floriculture production	<1	5,937	7,316	19,386
Tobacco farming	<1	38	34	88
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	980	1,136	3,173
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	5,395	8,981	39,379
Dairy cattle and milk production	<1	1,163	1,830	13,785
Poultry and egg production	<1	265	374	5,475
Animal production, except cattle and poultry and eggs	1	39,605	69,000	154,371
Forestry, forest products, and timber tract production	<1	1,888	2,064	2,821
Commercial logging	<1	1,403	1,545	2,408
Commercial fishing	<1	48	269	286
Commercial hunting and trapping	<1	74	-49	574
Support activities for agriculture and forestry	<1	17,729	15,397	18,633
Oil and gas extraction	<1	12,002	4,822	150,538
Coal mining	<1	18,767	40,266	71,127
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	34	53	88
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	4,849	13,200	23,271
Sand and gravel mining	<1	4,049	7,573	12,864

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Other clay, ceramic, refractory minerals mining	<1	55	95	170
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	133	258	458
Other nonmetallic minerals	<1	438	744	1,405
Drilling oil and gas wells	<1	1	<1	9
Support activities for oil and gas operations	<1	99	92	329
Metal mining services	<1	160	73	2,517
Other nonmetallic minerals services	<1	23	17	243
Electric power generation - Hydroelectric	<1	5,053	13,947	26,204
Electric power generation - Fossil fuel	<1	48,613	168,960	415,686
Electric power generation - Nuclear	<1	124,982	248,189	470,521
Electric power generation - Solar	<1	2,513	9,889	23,035
Electric power generation - Wind	<1	14,498	100,904	175,147
Electric power generation - Geothermal	<1	348	727	1,366
Electric power generation - Biomass	<1	60	301	894
Electric power generation - All other	<1	257	170	493
Electric power transmission and distribution	1	240,662	714,652	1,601,069
Natural gas distribution	<1	52,708	138,256	313,005
Water, sewage and other systems	<1	10,441	19,657	35,402
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	126,599	196,054	405,595
Maintenance and repair construction of residential structures	<1	51,944	79,085	164,984
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	119	186	381
Dog and cat food manufacturing	<1	2,658	8,463	35,333
Other animal food manufacturing	<1	5,850	10,658	67,459
Flour milling	<1	4,303	8,476	43,214
Rice milling	<1	36	62	440
Malt manufacturing	<1	27	52	331
Wet corn milling	<1	25,558	74,433	296,479
Soybean and other oilseed processing	<1	2,288	13,188	101,778
Fats and oils refining and blending	<1	1,140	2,391	20,448
Breakfast cereal manufacturing	<1	10,730	27,797	73,727
Beet sugar manufacturing	<1	957	2,130	9,437
Sugar cane mills and refining	<1	123	349	1,749
Nonchocolate confectionery manufacturing	<1	10,354	16,459	48,296
Chocolate and confectionery manufacturing from cacao beans	<1	2,719	4,310	15,933
Confectionery manufacturing from purchased chocolate	<1	11,703	16,625	53,654
Frozen fruits, juices and vegetables manufacturing	<1	2,624	5,479	21,699
Frozen specialties manufacturing	<1	8,300	11,950	44,346
Canned fruits and vegetables manufacturing	<1	6,876	14,648	35,419
Canned specialties	<1	946	2,561	11,589
Dehydrated food products manufacturing	<1	2,214	4,173	14,301
Cheese manufacturing	<1	5,477	8,169	68,733
Dry, condensed, and evaporated dairy product manufacturing	<1	3,560	9,131	58,417
Fluid milk manufacturing	<1	5,611	9,392	60,125
Creamery butter manufacturing	<1	149	732	4,859
Ice cream and frozen dessert manufacturing	<1	2,386	3,441	14,573
Frozen cakes and other pastries manufacturing	<1	8,293	12,759	23,071

Appendix

Poultry processing	<1	1,264	1,595	3,568
Animal, except poultry, slaughtering	<1	16,912	21,846	164,336
Meat processed from carcasses	<1	32,143	30,873	214,353
Rendering and meat byproduct processing	<1	950	1,082	4,438
Seafood product preparation and packaging	<1	1,533	2,005	8,884
Bread and bakery product, except frozen, manufacturing	<1	37,473	55,689	120,410
Cookie and cracker manufacturing	<1	7,629	11,455	32,534
Dry pasta, mixes, and dough manufacturing	<1	5,653	13,369	51,426
Tortilla manufacturing	<1	3,462	4,388	11,761
Roasted nuts and peanut butter manufacturing	<1	2,547	5,145	17,195
Other snack food manufacturing	<1	5,947	13,534	46,446
Coffee and tea manufacturing	<1	1,439	2,823	16,325
Flavoring syrup and concentrate manufacturing	<1	3,190	27,028	54,194
Mayonnaise, dressing, and sauce manufacturing	<1	1,978	4,020	14,962
Spice and extract manufacturing	<1	8,430	14,675	53,094
All other food manufacturing	<1	11,781	18,064	75,600
Bottled and canned soft drinks & water	<1	11,738	20,087	95,816
Manufactured ice	<1	643	387	1,814
Breweries	<1	6,319	15,288	45,943
Wineries	<1	1,641	2,845	12,572
Distilleries	<1	4,625	22,773	46,192
Tobacco product manufacturing	<1	162	4,681	7,851
Fiber, yarn, and thread mills	<1	342	525	2,350
Broadwoven fabric mills	<1	142	231	868
Narrow fabric mills and schiffli machine embroidery	<1	270	298	842
Nonwoven fabric mills	<1	1,409	2,459	9,327
Knit fabric mills	<1	93	119	350
Textile and fabric finishing mills	<1	458	594	2,258
Fabric coating mills	<1	454	597	2,562
Carpet and rug mills	<1	649	1,060	2,196
Curtain and linen mills	<1	1,206	1,560	4,844
Textile bag and canvas mills	<1	2,656	3,173	8,458
Rope, cordage, twine, tire cord and tire fabric mills	<1	251	377	1,178
Other textile product mills	<1	1,204	1,458	4,143
Hosiery and sock mills	<1	118	236	518

Appendix

Other apparel knitting mills	<1	154	276	611
Cut and sew apparel contractors	<1	665	819	1,765
Mens and boys cut and sew apparel manufacturing	<1	3,253	3,906	9,206
Womens and girls cut and sew apparel manufacturing	<1	152	273	988
Other cut and sew apparel manufacturing	<1	1,067	1,499	4,369
Apparel accessories and other apparel manufacturing	<1	1,587	2,136	4,773
Leather and hide tanning and finishing	<1	205	332	1,135
Footwear manufacturing	<1	1,177	1,315	2,901
Other leather and allied product manufacturing	<1	302	326	802
Sawmills	<1	600	907	3,973
Wood preservation	<1	711	1,779	7,016
Veneer and plywood manufacturing	<1	177	270	1,036
Engineered wood member and truss manufacturing	<1	336	483	1,674
Reconstituted wood product manufacturing	<1	149	333	1,540
Wood windows and door manufacturing	<1	4,855	6,481	19,355
Cut stock, resawing lumber, and planing	<1	141	233	710
Other millwork, including flooring	<1	1,873	2,817	8,319
Wood container and pallet manufacturing	<1	4,103	5,363	15,651
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	375	496	1,485
All other miscellaneous wood product manufacturing	<1	1,825	2,560	7,672
Pulp mills	<1	210	274	1,188
Paper mills	<1	5,257	8,659	32,990
Paperboard mills	<1	2,036	3,771	20,483
Paperboard container manufacturing	<1	34,562	46,330	204,253
Paper bag and coated and treated paper manufacturing	<1	28,389	42,007	128,477
Stationery product manufacturing	<1	2,827	3,779	14,337
Sanitary paper product manufacturing	<1	2,323	4,907	19,198
All other converted paper product manufacturing	<1	2,084	2,733	9,758

Appendix

Printing	2	136,537	208,111	373,092
Support activities for printing	<1	11,825	16,805	24,331
Petroleum refineries	<1	32,477	248,869	938,087
Asphalt paving mixture and block manufacturing	<1	1,820	2,944	9,755
Asphalt shingle and coating materials manufacturing	<1	713	2,811	6,680
Petroleum lubricating oil and grease manufacturing	<1	6,403	24,318	52,856
All other petroleum and coal products manufacturing	<1	2,561	11,037	24,533
Petrochemical manufacturing	<1	394	2,182	13,930
Industrial gas manufacturing	<1	5,990	9,991	32,028
Synthetic dye and pigment manufacturing	<1	1,142	1,829	7,568
Other basic inorganic chemical manufacturing	<1	7,592	12,803	41,604
Other basic organic chemical manufacturing	<1	7,701	12,925	96,990
Plastics material and resin manufacturing	<1	11,512	16,460	110,558
Synthetic rubber manufacturing	<1	380	526	3,573
Artificial and synthetic fibers and filaments manufacturing	<1	162	214	1,302
Nitrogenous fertilizer manufacturing	<1	6,469	12,306	41,272
Phosphatic fertilizer manufacturing	<1	150	257	1,074
Fertilizer mixing	<1	127	206	899
Pesticide and other agricultural chemical manufacturing	<1	4,930	10,890	45,400
Medicinal and botanical manufacturing	<1	4,462	5,915	19,740
Pharmaceutical preparation manufacturing	<1	143,931	341,582	842,429
In-vitro diagnostic substance manufacturing	<1	2,443	3,065	8,045
Biological product (except diagnostic) manufacturing	<1	3,439	5,579	14,301
Paint and coating manufacturing	<1	8,342	12,943	54,338
Adhesive manufacturing	<1	3,627	4,963	21,564
Soap and other detergent manufacturing	<1	13,531	30,953	133,146
Polish and other sanitation good manufacturing	<1	5,754	7,550	21,573
Surface active agent manufacturing	<1	4,121	9,752	29,362
Toilet preparation manufacturing	<1	10,799	25,103	83,734
Printing ink manufacturing	<1	7,555	8,140	31,194

Appendix

Explosives manufacturing	2	209,612	237,972	840,226
Custom compounding of purchased resins	<1	3,651	5,557	23,007
Photographic film and chemical manufacturing	<1	11,477	20,101	74,292
Other miscellaneous chemical product manufacturing	<1	5,841	8,200	32,733
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	13,120	24,259	72,446
Unlaminated plastics profile shape manufacturing	<1	4,984	12,742	34,707
Plastics pipe and pipe fitting manufacturing	<1	870	2,816	8,071
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,281	2,731	7,550
Polystyrene foam product manufacturing	<1	5,120	9,783	30,087
Urethane and other foam product (except polystyrene) manufacturing	<1	2,306	4,183	13,452
Plastics bottle manufacturing	<1	2,719	4,886	19,177
Other plastics product manufacturing	<1	77,902	124,364	317,561
Tire manufacturing	<1	12,619	21,402	81,752
Rubber and plastics hoses and belting manufacturing	<1	1,602	2,638	7,312
Other rubber product manufacturing	<1	10,456	16,091	45,217
Pottery, ceramics, and plumbing fixture manufacturing	<1	531	826	2,000
Brick, tile, and other structural clay product manufacturing	<1	1,237	2,308	4,233
Flat glass manufacturing	<1	778	1,793	3,760
Other pressed and blown glass and glassware manufacturing	<1	760	1,447	3,223
Glass container manufacturing	<1	2,651	4,613	10,012
Glass product manufacturing made of purchased glass	<1	3,368	6,214	13,412
Cement manufacturing	<1	1,063	2,859	6,144
Ready-mix concrete manufacturing	<1	8,203	15,095	38,932
Concrete block and brick manufacturing	<1	2,636	5,200	10,807
Concrete pipe manufacturing	<1	339	626	1,322
Other concrete product manufacturing	<1	4,955	7,333	13,671
Lime manufacturing	<1	54	144	376
Gypsum product manufacturing	<1	417	1,240	3,092

Appendix

Abrasive product manufacturing	<1	2,245	6,864	10,735
Cut stone and stone product manufacturing	<1	2,881	3,558	7,259
Ground or treated mineral and earth manufacturing	<1	880	2,579	4,572
Mineral wool manufacturing	<1	559	1,451	3,076
Miscellaneous nonmetallic mineral products manufacturing	<1	303	958	1,887
Iron and steel mills and ferroalloy manufacturing	<1	8,924	13,918	91,755
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,533	4,898	19,214
Rolled steel shape manufacturing	<1	1,562	2,589	15,332
Steel wire drawing	<1	597	741	3,689
Alumina refining and primary aluminum production	<1	202	276	2,100
Secondary smelting and alloying of aluminum	<1	143	230	2,213
Aluminum sheet, plate, and foil manufacturing	<1	1,340	2,200	12,172
Other aluminum rolling, drawing and extruding	<1	1,504	1,928	11,245
Nonferrous metal (exc aluminum) smelting and refining	<1	90	257	1,257
Copper rolling, drawing, extruding and alloying	<1	11,967	15,539	108,720
Nonferrous metal, except copper and aluminum, shaping	<1	954	1,098	4,528
Secondary processing of other nonferrous metals	<1	127	181	1,317
Ferrous metal foundries	<1	3,264	4,096	10,952
Nonferrous metal foundries	<1	5,224	6,674	19,375
Custom roll forming	<1	423	747	3,301
Crown and closure manufacturing and metal stamping	<1	14,250	18,385	46,280
Iron and steel forging	<1	6,208	10,486	31,338
Nonferrous forging	<1	676	1,019	3,580
Cutlery, utensil, pot, and pan manufacturing	<1	715	1,974	3,643
Handtool manufacturing	<1	11,298	19,514	40,266
Prefabricated metal buildings and components manufacturing	<1	1,151	1,695	5,120
Fabricated structural metal manufacturing	<1	4,975	7,596	22,049
Plate work manufacturing	<1	2,349	2,618	7,844
Metal window and door manufacturing	<1	3,428	4,792	11,836
Sheet metal work manufacturing	<1	7,635	10,375	25,679

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Ornamental and architectural metal work manufacturing	<1	2,991	3,981	9,657
Power boiler and heat exchanger manufacturing	<1	20	29	66
Metal tank (heavy gauge) manufacturing	<1	667	876	2,824
Metal cans manufacturing	<1	1,665	3,978	18,607
Metal barrels, drums and pails manufacturing	<1	1,839	2,327	7,794
Hardware manufacturing	<1	2,718	4,423	13,166
Spring and wire product manufacturing	<1	5,342	7,531	20,204
Machine shops	<1	44,049	55,099	109,067
Turned product and screw, nut, and bolt manufacturing	<1	15,341	23,319	59,375
Metal heat treating	<1	2,927	4,409	11,150
Metal coating and nonprecious engraving	<1	4,620	8,502	20,041
Electroplating, anodizing, and coloring metal	<1	8,093	9,368	20,194
Valve and fittings, other than plumbing, manufacturing	<1	3,618	5,987	16,110
Plumbing fixture fitting and trim manufacturing	<1	2,287	6,742	19,654
Ball and roller bearing manufacturing	<1	4,909	9,295	23,078
Small arms ammunition manufacturing	<1	13,888	30,013	53,653
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,615	3,230	8,199
Fabricated pipe and pipe fitting manufacturing	<1	1,318	1,680	4,004
Other fabricated metal manufacturing	2	149,996	200,252	464,660
Farm machinery and equipment manufacturing	<1	849	1,552	5,437
Lawn and garden equipment manufacturing	<1	979	1,869	8,879
Construction machinery manufacturing	<1	1,242	2,928	5,564
Mining machinery and equipment manufacturing	<1	62	104	295
Oil and gas field machinery and equipment manufacturing	<1	14	25	113
Semiconductor machinery manufacturing	<1	6	8	18
Food product machinery manufacturing	<1	68	81	218

Appendix

Sawmill, woodworking, and paper machinery	<1	202	232	667
Printing machinery and equipment manufacturing	<1	296	335	837
All other industrial machinery manufacturing	<1	3,410	4,691	12,266
Optical instrument and lens manufacturing	<1	16	25	75
Photographic and photocopying equipment manufacturing	<1	74	104	346
Other commercial service industry machinery manufacturing	<1	2,177	3,764	9,514
Air purification and ventilation equipment manufacturing	<1	31,956	46,061	111,929
Heating equipment (except warm air furnaces) manufacturing	<1	1,904	3,055	8,736
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,613	5,066	14,819
Industrial mold manufacturing	<1	1,068	1,276	2,458
Special tool, die, jig, and fixture manufacturing	<1	1,128	1,537	2,917
Cutting tool and machine tool accessory manufacturing	<1	1,175	1,357	3,055
Machine tool manufacturing	<1	429	563	1,580
Rolling mill and other metalworking machinery manufacturing	<1	273	335	686
Turbine and turbine generator set units manufacturing	<1	572	763	1,790
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4,490	7,097	19,055
Mechanical power transmission equipment manufacturing	<1	2,467	4,152	9,264
Other engine equipment manufacturing	<1	11,366	25,524	65,360
Pump and pumping equipment manufacturing	<1	557	1,039	2,603
Air and gas compressor manufacturing	<1	79	157	440
Elevator and moving stairway manufacturing	<1	236	354	1,105
Conveyor and conveying equipment manufacturing	<1	279	322	890
Overhead cranes, hoists, and monorail systems manufacturing	<1	12	24	67
Industrial truck, trailer, and stacker manufacturing	<1	406	691	1,944

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Power-driven handtool manufacturing	<1	72	201	580
Welding and soldering equipment manufacturing	<1	561	829	1,460
Packaging machinery manufacturing	<1	386	578	1,466
Industrial process furnace and oven manufacturing	<1	190	230	546
Fluid power cylinder and actuator manufacturing	<1	1,409	2,075	4,958
Fluid power pump and motor manufacturing	<1	3,459	5,791	15,192
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	304	386	1,082
Electronic computer manufacturing	<1	19,425	47,467	168,028
Computer storage device manufacturing	<1	11	31	84
Computer terminals and other computer peripheral equipment manufacturing	<1	52,120	99,263	186,992
Telephone apparatus manufacturing	<1	628	1,114	3,409
Broadcast and wireless communications equipment manufacturing	<1	549	941	2,007
Other communications equipment manufacturing	<1	1,663	3,136	7,829
Audio and video equipment manufacturing	<1	1,768	3,347	7,680
Printed circuit assembly (electronic assembly) manufacturing	<1	5,419	11,206	39,810
Bare printed circuit board manufacturing	<1	2,749	3,982	11,237
Semiconductor and related device manufacturing	<1	411	789	2,223
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,010	1,587	4,409
Electronic connector manufacturing	<1	15,255	25,567	48,856
Other electronic component manufacturing	<1	5,560	8,251	24,338
Electromedical and electrotherapeutic apparatus manufacturing	<1	201	448	944
Search, detection, and navigation instruments manufacturing	<1	79	156	281
Automatic environmental control manufacturing	<1	25,089	35,920	62,647

Appendix

Industrial process variable instruments manufacturing	<1	668	1,186	2,697
Totalizing fluid meter and counting device manufacturing	<1	374	943	1,885
Electricity and signal testing instruments manufacturing	<1	3,247	5,847	17,414
Analytical laboratory instrument manufacturing	<1	99,782	196,668	415,183
Irradiation apparatus manufacturing	<1	31	73	170
Watch, clock, and other measuring and controlling device manufacturing	<1	274	589	1,353
Blank magnetic and optical recording media manufacturing	<1	51	184	492
Software and other prerecorded and record reproducing	<1	4,561	7,146	11,801
Electric lamp bulb and part manufacturing	<1	371	722	2,188
Lighting fixture manufacturing	<1	5,576	8,107	18,836
Small electrical appliance manufacturing	<1	5,782	12,468	31,275
Household cooking appliance manufacturing	<1	1,186	2,422	5,894
Household refrigerator and home freezer manufacturing	<1	1,276	2,703	6,360
Household laundry equipment manufacturing	<1	3,056	5,050	15,023
Other major household appliance manufacturing	<1	456	1,027	2,275
Power, distribution, and specialty transformer manufacturing	<1	236	348	848
Motor and generator manufacturing	<1	2,710	4,513	10,840
Switchgear and switchboard apparatus manufacturing	<1	4,413	7,438	17,521
Relay and industrial control manufacturing	<1	6,674	8,936	19,757
Storage battery manufacturing	<1	3,050	4,288	10,174
Primary battery manufacturing	<1	875	2,491	2,406
Fiber optic cable manufacturing	<1	1,555	1,904	5,925
Other communication and energy wire manufacturing	<1	1,292	1,929	5,624
Wiring device manufacturing	<1	10,983	20,238	42,781
Carbon and graphite product manufacturing	<1	206	336	1,035
All other miscellaneous electrical equipment and component manufacturing	<1	31,446	35,604	95,025
Automobile manufacturing	<1	10,673	21,659	128,674

Appendix

Light truck and utility vehicle manufacturing	<1	2,473	3,051	51,277
Heavy duty truck manufacturing	<1	14	23	148
Motor vehicle body manufacturing	<1	388	445	1,624
Truck trailer manufacturing	<1	9	10	57
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	532	560	1,952
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,198	6,327	39,548
Motor vehicle electrical and electronic equipment manufacturing	<1	12,990	14,078	80,840
Motor vehicle transmission and power train parts manufacturing	<1	15,391	19,563	99,306
Motor vehicle seating and interior trim manufacturing	<1	1,297	1,366	8,713
Motor vehicle metal stamping	<1	14,895	15,930	43,809
Other motor vehicle parts manufacturing	<1	14,285	15,944	89,019
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,095	6,473	21,224
Aircraft manufacturing	<1	<1	<1	5
Aircraft engine and engine parts manufacturing	<1	540	1,047	3,610
Other aircraft parts and auxiliary equipment manufacturing	1	129,287	168,811	415,480
Guided missile and space vehicle manufacturing	<1	88	125	394
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	8	11	31
Railroad rolling stock manufacturing	<1	268	300	1,308
Ship building and repairing	<1	111	129	355
Boat building	<1	754	961	4,135
Motorcycle, bicycle, and parts manufacturing	<1	893	2,129	4,810
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,182	1,942	9,345
Wood kitchen cabinet and countertop manufacturing	<1	4,372	7,522	15,055
Upholstered household furniture manufacturing	<1	2,740	3,360	9,247

Appendix

Nonupholstered wood household furniture manufacturing	<1	2,626	3,588	8,449
Other household nonupholstered furniture manufacturing	<1	168	339	937
Institutional furniture manufacturing	<1	182	216	616
Wood office furniture manufacturing	<1	420	731	1,600
Custom architectural woodwork and millwork	<1	253	253	564
Office furniture, except wood, manufacturing	<1	17,561	40,721	93,919
Showcase, partition, shelving, and locker manufacturing	<1	2,182	4,021	9,449
Mattress manufacturing	<1	993	2,536	6,707
Blind and shade manufacturing	<1	381	420	1,467
Surgical and medical instrument manufacturing	<1	11,161	15,314	24,712
Surgical appliance and supplies manufacturing	<1	9,626	13,838	24,528
Dental equipment and supplies manufacturing	<1	21,776	28,303	60,029
Ophthalmic goods manufacturing	<1	577	833	1,882
Dental laboratories	<1	2,600	2,690	4,552
Jewelry and silverware manufacturing	<1	3,210	4,932	12,164
Sporting and athletic goods manufacturing	<1	8,162	9,755	20,027
Doll, toy, and game manufacturing	<1	1,582	1,955	4,668
Office supplies (except paper) manufacturing	<1	3,671	4,499	11,007
Sign manufacturing	<1	6,467	5,624	10,833
Gasket, packing, and sealing device manufacturing	<1	4,993	5,615	11,599
Musical instrument manufacturing	<1	649	675	1,471
Fasteners, buttons, needles, and pins manufacturing	<1	2,364	2,735	5,464
Broom, brush, and mop manufacturing	<1	2,995	3,430	9,522
Burial casket manufacturing	<1	824	945	1,691
All other miscellaneous manufacturing	<1	9,259	11,184	23,098
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	30,402	69,005	139,340
Wholesale - Professional and commercial equipment and supplies	1	174,493	277,891	446,737

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	65,280	154,803	304,787
Wholesale - Machinery, equipment, and supplies	<1	78,638	150,989	238,217
Wholesale - Other durable goods merchant wholesalers	1	133,059	230,427	408,060
Wholesale - Drugs and druggists' sundries	<1	94,728	274,104	426,247
Wholesale - Grocery and related product wholesalers	1	132,572	180,766	318,859
Wholesale - Petroleum and petroleum products	<1	28,368	270,454	305,300
Wholesale - Other nondurable goods merchant wholesalers	2	242,495	500,401	829,785
Wholesale - Wholesale electronic markets and agents and brokers	1	164,723	171,123	194,910
Retail - Motor vehicle and parts dealers	2	100,749	172,071	244,745
Retail - Furniture and home furnishings stores	1	61,197	82,614	127,586
Retail - Electronics and appliance stores	1	84,093	80,087	121,601
Retail - Building material and garden equipment and supplies stores	2	61,799	127,005	185,260
Retail - Food and beverage stores	6	182,458	262,696	421,938
Retail - Health and personal care stores	3	129,770	167,248	245,833
Retail - Gasoline stores	1	40,187	78,905	145,222
Retail - Clothing and clothing accessories stores	3	79,357	138,930	267,327
Retail - Sporting goods, hobby, musical instrument and book stores	2	48,044	65,916	103,704
Retail - General merchandise stores	6	176,920	284,028	450,634
Retail - Miscellaneous store retailers	3	83,929	108,620	170,293
Retail - Nonstore retailers	4	109,790	414,467	717,172
Air transportation	2	202,083	385,770	669,877
Rail transportation	<1	45,858	92,873	168,156
Water transportation	<1	20,271	28,423	128,960
Truck transportation	4	302,050	363,534	692,391
Transit and ground passenger transportation	8	131,874	175,939	264,427
Pipeline transportation	<1	30,737	84,160	91,261
Scenic and sightseeing transportation and support activities for transportation	3	231,627	260,931	523,753

Appendix

Couriers and messengers	2	98,479	154,452	239,857
Warehousing and storage	3	150,394	172,982	313,289
Newspaper publishers	<1	27,781	49,518	59,283
Periodical publishers	<1	57,138	93,838	124,405
Book publishers	<1	22,279	72,966	110,001
Directory, mailing list, and other publishers	<1	52,723	155,930	221,174
Greeting card publishing	<1	679	2,009	3,308
Software publishers	3	407,311	959,828	1,040,815
Motion picture and video industries	<1	60,411	114,183	231,231
Sound recording industries	<1	7,673	57,481	82,295
Radio and television broadcasting	<1	116,361	139,013	308,518
Cable and other subscription programming	<1	15,085	73,298	185,853
Wired telecommunications carriers	1	136,257	303,903	540,549
Wireless telecommunications carriers (except satellite)	<1	45,360	297,024	665,235
Satellite, telecommunications resellers, and all other telecommunications	<1	75,384	110,243	254,767
Data processing, hosting, and related services	2	216,586	420,951	910,918
News syndicates, libraries, archives and all other information services	<1	23,186	39,860	73,333
Internet publishing and broadcasting and web search portals	1	330,905	731,986	1,727,811
Nondepository credit intermediation and related activities	2	240,175	313,025	478,089
Securities and commodity contracts intermediation and brokerage	5	645,973	557,063	885,208
Monetary authorities and depository credit intermediation	6	739,495	2,201,013	3,168,063
Other financial investment activities	4	460,761	592,900	1,107,896
Direct life insurance carriers	<1	106,614	248,038	323,774
Insurance carriers, except direct life	2	301,802	1,296,883	1,997,896
Insurance agencies, brokerages, and related activities	4	363,680	701,264	1,324,800
Funds, trusts, and other financial vehicles	1	66,086	112,993	470,914
Other real estate	27	973,594	2,597,971	5,731,275
Tenant-occupied housing	2	58,948	844,995	922,943

Appendix

Owner-occupied dwellings	0	0	2,722,239	3,455,763
Automotive equipment rental and leasing	<1	61,993	197,548	262,353
General and consumer goods rental except video tapes and discs	<1	47,911	67,962	105,869
Video tape and disc rental	<1	11,347	20,820	30,898
Commercial and industrial machinery and equipment rental and leasing	<1	84,676	235,443	306,526
Lessors of nonfinancial intangible assets	<1	8,142	232,731	261,281
Legal services	8	998,826	1,802,061	2,222,421
Accounting, tax preparation, bookkeeping, and payroll services	4	436,209	492,125	686,490
Architectural, engineering, and related services	6	549,113	574,270	953,768
Specialized design services	<1	53,246	67,834	102,274
Custom computer programming services	2	224,607	235,416	308,319
Computer systems design services	2	224,693	213,187	262,329
Other computer related services, including facilities management	<1	99,889	154,096	251,197
Management consulting services	11	1,408,953	1,435,882	2,014,125
Environmental and other technical consulting services	1	106,655	109,250	154,352
Scientific research and development services	135	14,282,429	19,480,188	34,001,965
Advertising, public relations, and related services	5	510,965	595,428	956,494
Photographic services	<1	12,104	21,417	42,546
Veterinary services	<1	36,739	40,618	63,753
Marketing research and all other miscellaneous professional, scientific, and technical services	3	336,332	457,356	785,353
Management of companies and enterprises	10	1,440,862	1,711,306	2,590,875
Office administrative services	4	345,094	123,519	268,985
Facilities support services	<1	9,891	14,421	28,823
Employment services	22	959,101	1,384,200	2,034,532
Business support services	4	278,434	226,487	344,007
Travel arrangement and reservation services	<1	67,754	86,709	176,027
Investigation and security services	3	116,906	113,228	165,296
Services to buildings	5	167,730	225,382	392,414
Landscape and horticultural services	5	248,139	298,105	496,237

Appendix

Other support services	2	107,333	135,076	235,518
Waste management and remediation services	<1	82,351	139,220	235,096
Elementary and secondary schools	3	146,127	121,790	144,197
Junior colleges, colleges, universities, and professional schools	36	2,280,279	3,045,006	3,787,423
Other educational services	2	99,240	112,858	206,949
Offices of physicians	7	804,724	841,693	1,169,115
Offices of dentists	2	163,868	204,190	291,322
Offices of other health practitioners	2	133,454	191,891	256,260
Outpatient care centers	2	99,552	91,054	162,945
Medical and diagnostic laboratories	<1	47,757	68,128	98,455
Home health care services	3	140,856	135,120	179,049
Other ambulatory health care services	<1	51,333	57,170	95,111
Hospitals	16	1,341,854	1,660,359	3,056,399
Nursing and community care facilities	5	199,123	247,813	417,489
Residential mental retardation, mental health, substance abuse and other facilities	2	77,049	89,116	135,990
Individual and family services	8	225,844	192,524	294,108
Child day care services	3	90,784	123,973	167,721
Community food, housing, and other relief services, including rehabilitation services	2	79,533	78,407	174,381
Performing arts companies	1	37,153	61,095	92,255
Commercial Sports Except Racing	2	96,905	95,209	128,041
Racing and Track Operation	<1	7,389	14,700	20,835
Independent artists, writers, and performers	<1	24,793	105,591	129,261
Promoters of performing arts and sports and agents for public figures	<1	32,435	74,489	114,840
Museums, historical sites, zoos, and parks	<1	23,648	33,715	51,669
Amusement parks and arcades	<1	9,775	15,030	20,365
Gambling industries (except casino hotels)	1	68,691	184,876	251,845
Other amusement and recreation industries	1	53,176	57,468	92,762
Fitness and recreational sports centers	2	50,178	61,193	97,723
Bowling centers	<1	7,841	10,624	17,543

Appendix

Hotels and motels, including casino hotels	3	160,416	273,085	387,031
Other accommodations	<1	48,944	64,555	82,271
Full-service restaurants	13	377,234	585,795	948,959
Limited-service restaurants	11	251,436	441,396	899,867
All other food and drinking places	8	283,781	397,689	577,396
Automotive repair and maintenance, except car washes	5	250,289	264,472	403,203
Car washes	2	109,816	184,943	272,821
Electronic and precision equipment repair and maintenance	4	283,745	356,216	542,722
Commercial and industrial machinery and equipment repair and maintenance	1	117,869	114,460	167,042
Personal and household goods repair and maintenance	<1	28,677	53,611	75,385
Personal care services	4	122,497	102,071	139,700
Death care services	<1	31,603	15,481	24,770
Dry-cleaning and laundry services	2	71,320	31,986	48,634
Other personal services	3	94,920	113,521	163,760
Religious organizations	6	340,610	122,948	505,433
Grantmaking, giving, and social advocacy organizations	3	162,436	455,779	724,448
Business and professional associations	<1	104,479	167,021	261,596
Labor and civic organizations	2	79,801	202,553	344,063
Private households	3	48,805	48,797	48,797
Postal service	2	142,908	142,963	152,131
Federal electric utilities	0	0	0	0
Other federal government enterprises	14	746,013	-225,228	1,393,456
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	56,594	-50,443	24,810
Local government electric utilities	<1	510	1,284	2,274
Other local government enterprises	<1	68,274	73,471	157,714
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	20	2,264,503	4,182,776	9,569,054

Moon to Mars Campaign

Table 665: Detailed M2M Campaign Impacts by Types of Impact, Illinois

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	38	3,263,914	5,114,847	9,279,520
Oilseed farming	<1	6,048	16,580	47,511
Grain farming	<1	2,421	1,578	15,648
Vegetable and melon farming	<1	105	152	442
Fruit farming	<1	28	41	97
Tree nut farming	<1	2	3	6
Greenhouse, nursery, and floriculture production	<1	308	387	1,015
Tobacco farming	<1	4	4	11
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	54	64	179
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	316	469	1,920
Dairy cattle and milk production	<1	75	111	794
Poultry and egg production	<1	14	21	282
Animal production, except cattle and poultry and eggs	<1	1,714	3,412	7,713
Forestry, forest products, and timber tract production	<1	258	282	377
Commercial logging	<1	89	98	148
Commercial fishing	<1	3	15	16
Commercial hunting and trapping	<1	7	-3	33
Support activities for agriculture and forestry	<1	954	824	1,000
Oil and gas extraction	<1	431	215	6,906

Appendix

Coal mining	<1	596	1,186	2,156
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	2	3	5
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	313	729	1,311
Sand and gravel mining	<1	264	449	747
Other clay, ceramic, refractory minerals mining	<1	3	5	9
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	16	26	46
Other nonmetallic minerals	<1	31	50	94
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	3	3	11
Metal mining services	<1	8	4	145
Other nonmetallic minerals services	<1	1	<1	13
Electric power generation - Hydroelectric	<1	205	564	1,034
Electric power generation - Fossil fuel	<1	2,567	8,585	19,522
Electric power generation - Nuclear	<1	6,151	12,504	22,497
Electric power generation - Solar	<1	90	372	851
Electric power generation - Wind	<1	515	3,583	6,067
Electric power generation - Geothermal	<1	19	39	73
Electric power generation - Biomass	<1	2	12	33
Electric power generation - All other	<1	14	9	24
Electric power transmission and distribution	<1	10,615	31,600	67,258
Natural gas distribution	<1	3,243	8,785	18,992
Water, sewage and other systems	<1	548	1,028	1,757
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	7,704	12,036	24,381
Maintenance and repair construction of residential structures	<1	3,445	5,267	10,807
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8	12	24
Dog and cat food manufacturing	<1	143	476	1,929
Other animal food manufacturing	<1	337	640	3,879
Flour milling	<1	198	395	2,007
Rice milling	<1	2	3	20
Malt manufacturing	<1	<1	2	11
Wet corn milling	<1	1,401	4,266	16,683
Soybean and other oilseed processing	<1	156	914	6,843
Fats and oils refining and blending	<1	79	169	1,380
Breakfast cereal manufacturing	<1	495	1,319	3,297
Beet sugar manufacturing	<1	43	90	394
Sugar cane mills and refining	<1	10	29	141
Nonchocolate confectionery manufacturing	<1	741	1,177	3,304
Chocolate and confectionery manufacturing from cacao beans	<1	242	387	1,380
Confectionery manufacturing from purchased chocolate	<1	707	1,022	3,083
Frozen fruits, juices and vegetables manufacturing	<1	156	338	1,213
Frozen specialties manufacturing	<1	454	656	2,404
Canned fruits and vegetables manufacturing	<1	449	965	2,280

Appendix

Canned specialties	<1	50	133	596
Dehydrated food products manufacturing	<1	140	262	882
Cheese manufacturing	<1	295	440	3,742
Dry, condensed, and evaporated dairy product manufacturing	<1	250	661	3,885
Fluid milk manufacturing	<1	329	565	3,559
Creamery butter manufacturing	<1	9	43	275
Ice cream and frozen dessert manufacturing	<1	116	171	673
Frozen cakes and other pastries manufacturing	<1	513	786	1,405
Poultry processing	<1	64	84	182
Animal, except poultry, slaughtering	<1	753	986	7,315
Meat processed from carcasses	<1	2,053	1,997	13,717
Rendering and meat byproduct processing	<1	65	74	300
Seafood product preparation and packaging	<1	71	96	405
Bread and bakery product, except frozen, manufacturing	<1	2,245	3,351	7,174
Cookie and cracker manufacturing	<1	543	863	2,242
Dry pasta, mixes, and dough manufacturing	<1	339	809	3,223
Tortilla manufacturing	<1	208	263	700
Roasted nuts and peanut butter manufacturing	<1	175	369	1,155
Other snack food manufacturing	<1	378	876	2,932
Coffee and tea manufacturing	<1	70	143	799
Flavoring syrup and concentrate manufacturing	<1	237	1,975	3,948
Mayonnaise, dressing, and sauce manufacturing	<1	114	229	825
Spice and extract manufacturing	<1	599	1,080	3,628
All other food manufacturing	<1	812	1,249	5,061
Bottled and canned soft drinks & water	<1	697	1,226	5,687
Manufactured ice	<1	40	26	109
Breweries	<1	328	833	2,438
Wineries	<1	137	242	1,024
Distilleries	<1	288	1,465	2,833
Tobacco product manufacturing	<1	13	444	682
Fiber, yarn, and thread mills	<1	18	30	122
Broadwoven fabric mills	<1	7	13	44
Narrow fabric mills and schiffli machine embroidery	<1	21	24	66

Appendix

Nonwoven fabric mills	<1	104	194	674
Knit fabric mills	<1	8	10	29
Textile and fabric finishing mills	<1	40	52	191
Fabric coating mills	<1	40	51	211
Carpet and rug mills	<1	43	80	139
Curtain and linen mills	<1	86	114	340
Textile bag and canvas mills	<1	164	200	516
Rope, cordage, twine, tire cord and tire fabric mills	<1	10	16	49
Other textile product mills	<1	83	102	277
Hosiery and sock mills	<1	7	15	29
Other apparel knitting mills	<1	11	20	43
Cut and sew apparel contractors	<1	42	52	108
Mens and boys cut and sew apparel manufacturing	<1	265	320	703
Womens and girls cut and sew apparel manufacturing	<1	14	25	88
Other cut and sew apparel manufacturing	<1	85	119	330
Apparel accessories and other apparel manufacturing	<1	129	174	361
Leather and hide tanning and finishing	<1	14	22	73
Footwear manufacturing	<1	80	91	190
Other leather and allied product manufacturing	<1	24	26	62
Sawmills	<1	34	52	229
Wood preservation	<1	38	95	381
Veneer and plywood manufacturing	<1	10	16	62
Engineered wood member and truss manufacturing	<1	26	37	129
Reconstituted wood product manufacturing	<1	10	22	101
Wood windows and door manufacturing	<1	262	353	1,041
Cut stock, resawing lumber, and planing	<1	8	14	41
Other millwork, including flooring	<1	116	175	499
Wood container and pallet manufacturing	<1	243	322	919
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	20	27	81
All other miscellaneous wood product manufacturing	<1	132	190	528
Pulp mills	<1	11	14	62

Appendix

Paper mills	<1	311	474	1,929
Paperboard mills	<1	131	232	1,324
Paperboard container manufacturing	<1	5,372	7,085	30,942
Paper bag and coated and treated paper manufacturing	<1	3,173	4,426	13,862
Stationery product manufacturing	<1	181	238	879
Sanitary paper product manufacturing	<1	159	311	1,281
All other converted paper product manufacturing	<1	121	157	583
Printing	<1	7,807	12,113	20,728
Support activities for printing	<1	833	1,182	1,685
Petroleum refineries	<1	1,737	13,000	48,862
Asphalt paving mixture and block manufacturing	<1	115	186	598
Asphalt shingle and coating materials manufacturing	<1	40	156	365
Petroleum lubricating oil and grease manufacturing	<1	438	1,672	3,535
All other petroleum and coal products manufacturing	<1	151	615	1,347
Petrochemical manufacturing	<1	22	126	781
Industrial gas manufacturing	<1	346	592	1,845
Synthetic dye and pigment manufacturing	<1	82	135	572
Other basic inorganic chemical manufacturing	<1	716	1,299	4,040
Other basic organic chemical manufacturing	<1	998	1,674	12,940
Plastics material and resin manufacturing	<1	690	1,000	6,803
Synthetic rubber manufacturing	<1	27	38	260
Artificial and synthetic fibers and filaments manufacturing	<1	21	27	165
Nitrogenous fertilizer manufacturing	<1	3,711	7,272	22,204
Phosphatic fertilizer manufacturing	<1	22	39	162
Fertilizer mixing	<1	7	11	47
Pesticide and other agricultural chemical manufacturing	<1	254	564	2,406
Medicinal and botanical manufacturing	<1	369	513	1,578
Pharmaceutical preparation manufacturing	<1	12,153	30,187	70,808
In-vitro diagnostic substance manufacturing	<1	290	368	966

Appendix

Biological product (except diagnostic) manufacturing	<1	365	630	1,512
Paint and coating manufacturing	<1	623	1,007	4,179
Adhesive manufacturing	<1	403	582	2,369
Soap and other detergent manufacturing	<1	960	2,434	8,887
Polish and other sanitation good manufacturing	<1	416	571	1,519
Surface active agent manufacturing	<1	238	625	1,719
Toilet preparation manufacturing	<1	853	2,086	6,662
Printing ink manufacturing	<1	648	701	2,691
Explosives manufacturing	<1	78,221	88,828	318,989
Custom compounding of purchased resins	<1	321	532	2,068
Photographic film and chemical manufacturing	<1	611	1,121	3,983
Other miscellaneous chemical product manufacturing	<1	343	503	2,026
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,072	1,981	5,799
Unlaminated plastics profile shape manufacturing	<1	306	783	2,067
Plastics pipe and pipe fitting manufacturing	<1	62	201	575
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	75	160	440
Polystyrene foam product manufacturing	<1	319	610	1,891
Urethane and other foam product (except polystyrene) manufacturing	<1	143	261	832
Plastics bottle manufacturing	<1	203	366	1,389
Other plastics product manufacturing	<1	4,807	7,738	19,084
Tire manufacturing	<1	605	1,042	4,065
Rubber and plastics hoses and belting manufacturing	<1	88	145	406
Other rubber product manufacturing	<1	680	1,044	2,990
Pottery, ceramics, and plumbing fixture manufacturing	<1	32	48	122
Brick, tile, and other structural clay product manufacturing	<1	73	132	248
Flat glass manufacturing	<1	62	136	295
Other pressed and blown glass and glassware manufacturing	<1	51	94	208
Glass container manufacturing	<1	157	264	589

Appendix

Glass product manufacturing made of purchased glass	<1	192	347	760
Cement manufacturing	<1	71	186	406
Ready-mix concrete manufacturing	<1	549	991	2,568
Concrete block and brick manufacturing	<1	192	362	780
Concrete pipe manufacturing	<1	20	37	80
Other concrete product manufacturing	<1	297	432	819
Lime manufacturing	<1	2	7	17
Gypsum product manufacturing	<1	27	77	195
Abrasive product manufacturing	<1	198	572	906
Cut stone and stone product manufacturing	<1	166	204	416
Ground or treated mineral and earth manufacturing	<1	56	164	291
Mineral wool manufacturing	<1	38	96	200
Miscellaneous nonmetallic mineral products manufacturing	<1	21	62	121
Iron and steel mills and ferroalloy manufacturing	<1	804	1,199	8,453
Iron, steel pipe and tube manufacturing from purchased steel	<1	410	544	2,137
Rolled steel shape manufacturing	<1	126	201	1,291
Steel wire drawing	<1	73	88	449
Alumina refining and primary aluminum production	<1	14	18	130
Secondary smelting and alloying of aluminum	<1	9	14	138
Aluminum sheet, plate, and foil manufacturing	<1	209	325	1,936
Other aluminum rolling, drawing and extruding	<1	268	332	1,962
Nonferrous metal (exc aluminum) smelting and refining	<1	2	5	27
Copper rolling, drawing, extruding and alloying	<1	858	1,101	7,333
Nonferrous metal, except copper and aluminum, shaping	<1	69	76	330
Secondary processing of other nonferrous metals	<1	4	5	43
Ferrous metal foundries	<1	283	348	965
Nonferrous metal foundries	<1	501	617	1,810
Custom roll forming	<1	46	78	352
Crown and closure manufacturing and metal stamping	<1	1,098	1,415	3,499
Iron and steel forging	<1	545	911	2,697

Appendix

Nonferrous forging	<1	63	93	317
Cutlery, utensil, pot, and pan manufacturing	<1	51	143	260
Handtool manufacturing	<1	4,675	7,874	15,848
Prefabricated metal buildings and components manufacturing	<1	77	106	338
Fabricated structural metal manufacturing	<1	285	426	1,245
Plate work manufacturing	<1	150	168	496
Metal window and door manufacturing	<1	293	405	995
Sheet metal work manufacturing	<1	495	667	1,634
Ornamental and architectural metal work manufacturing	<1	215	281	679
Power boiler and heat exchanger manufacturing	<1	3	4	9
Metal tank (heavy gauge) manufacturing	<1	261	337	1,059
Metal cans manufacturing	<1	117	280	1,296
Metal barrels, drums and pails manufacturing	<1	302	383	1,235
Hardware manufacturing	<1	167	268	797
Spring and wire product manufacturing	<1	541	729	1,978
Machine shops	<1	3,791	4,734	9,297
Turned product and screw, nut, and bolt manufacturing	<1	2,437	3,634	9,105
Metal heat treating	<1	454	675	1,711
Metal coating and nonprecious engraving	<1	754	1,362	3,241
Electroplating, anodizing, and coloring metal	<1	1,306	1,504	3,235
Valve and fittings, other than plumbing, manufacturing	<1	230	383	1,029
Plumbing fixture fitting and trim manufacturing	<1	181	531	1,527
Ball and roller bearing manufacturing	<1	345	642	1,536
Small arms ammunition manufacturing	<1	1,027	2,234	3,776
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	117	233	566
Fabricated pipe and pipe fitting manufacturing	<1	78	97	237
Other fabricated metal manufacturing	<1	29,624	39,576	90,829
Farm machinery and equipment manufacturing	<1	47	89	302

Appendix

Lawn and garden equipment manufacturing	<1	71	143	626
Construction machinery manufacturing	<1	56	144	254
Mining machinery and equipment manufacturing	<1	3	4	13
Oil and gas field machinery and equipment manufacturing	<1	<1	1	5
Semiconductor machinery manufacturing	<1	<1	<1	2
Food product machinery manufacturing	<1	5	7	18
Sawmill, woodworking, and paper machinery	<1	11	13	36
Printing machinery and equipment manufacturing	<1	21	24	59
All other industrial machinery manufacturing	<1	24	33	88
Optical instrument and lens manufacturing	<1	2	3	8
Photographic and photocopying equipment manufacturing	<1	6	9	29
Other commercial service industry machinery manufacturing	<1	186	330	804
Air purification and ventilation equipment manufacturing	<1	66	97	236
Heating equipment (except warm air furnaces) manufacturing	<1	106	179	466
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	181	362	1,015
Industrial mold manufacturing	<1	113	137	259
Special tool, die, jig, and fixture manufacturing	<1	103	145	267
Cutting tool and machine tool accessory manufacturing	<1	93	109	243
Machine tool manufacturing	<1	66	89	251
Rolling mill and other metalworking machinery manufacturing	<1	18	23	46
Turbine and turbine generator set units manufacturing	<1	33	45	96
Speed changer, industrial high-speed drive, and gear manufacturing	<1	339	551	1,389
Mechanical power transmission equipment manufacturing	<1	152	260	567
Other engine equipment manufacturing	<1	1,038	2,458	5,422

Appendix

Pump and pumping equipment manufacturing	<1	43	83	203
Air and gas compressor manufacturing	<1	5	11	31
Elevator and moving stairway manufacturing	<1	12	19	58
Conveyor and conveying equipment manufacturing	<1	16	19	51
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	6
Industrial truck, trailer, and stacker manufacturing	<1	29	50	138
Power-driven handtool manufacturing	<1	11	31	83
Welding and soldering equipment manufacturing	<1	50	76	119
Packaging machinery manufacturing	<1	35	53	131
Industrial process furnace and oven manufacturing	<1	39	48	110
Fluid power cylinder and actuator manufacturing	<1	84	125	301
Fluid power pump and motor manufacturing	<1	773	1,323	3,354
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	37	48	130
Electronic computer manufacturing	<1	3	7	26
Computer storage device manufacturing	<1	<1	2	6
Computer terminals and other computer peripheral equipment manufacturing	<1	2,938	5,688	10,529
Telephone apparatus manufacturing	<1	32	56	172
Broadcast and wireless communications equipment manufacturing	<1	57	98	205
Other communications equipment manufacturing	<1	144	268	686
Audio and video equipment manufacturing	<1	165	310	695
Printed circuit assembly (electronic assembly) manufacturing	<1	498	1,052	3,661
Bare printed circuit board manufacturing	<1	175	253	740
Semiconductor and related device manufacturing	<1	28	53	143

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	115	182	499
Electronic connector manufacturing	<1	865	1,450	2,800
Other electronic component manufacturing	<1	344	511	1,472
Electromedical and electrotherapeutic apparatus manufacturing	<1	16	36	74
Search, detection, and navigation instruments manufacturing	<1	26	52	89
Automatic environmental control manufacturing	<1	2,254	3,211	5,691
Industrial process variable instruments manufacturing	<1	62	110	248
Totalizing fluid meter and counting device manufacturing	<1	21	54	108
Electricity and signal testing instruments manufacturing	<1	422	760	2,244
Analytical laboratory instrument manufacturing	<1	11,200	22,056	45,346
Irradiation apparatus manufacturing	<1	3	6	14
Watch, clock, and other measuring and controlling device manufacturing	<1	24	51	116
Blank magnetic and optical recording media manufacturing	<1	7	26	59
Software and other prerecorded and record reproducing	<1	309	486	737
Electric lamp bulb and part manufacturing	<1	30	61	178
Lighting fixture manufacturing	<1	522	741	1,698
Small electrical appliance manufacturing	<1	470	1,055	2,522
Household cooking appliance manufacturing	<1	73	162	380
Household refrigerator and home freezer manufacturing	<1	79	182	413
Household laundry equipment manufacturing	<1	189	333	964
Other major household appliance manufacturing	<1	29	71	151
Power, distribution, and specialty transformer manufacturing	<1	20	30	70
Motor and generator manufacturing	<1	226	370	901
Switchgear and switchboard apparatus manufacturing	<1	338	575	1,326

Appendix

Relay and industrial control manufacturing	<1	914	1,245	2,669
Storage battery manufacturing	<1	237	325	755
Primary battery manufacturing	<1	61	234	164
Fiber optic cable manufacturing	<1	155	190	563
Other communication and energy wire manufacturing	<1	106	158	452
Wiring device manufacturing	<1	1,359	2,539	5,077
Carbon and graphite product manufacturing	<1	12	19	59
All other miscellaneous electrical equipment and component manufacturing	<1	19	22	61
Automobile manufacturing	<1	600	1,192	7,005
Light truck and utility vehicle manufacturing	<1	120	154	2,522
Heavy duty truck manufacturing	<1	<1	1	8
Motor vehicle body manufacturing	<1	20	23	85
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	26	27	95
Motor vehicle gasoline engine and engine parts manufacturing	<1	318	375	2,417
Motor vehicle electrical and electronic equipment manufacturing	<1	678	722	3,885
Motor vehicle transmission and power train parts manufacturing	<1	1,191	1,482	6,793
Motor vehicle seating and interior trim manufacturing	<1	62	67	413
Motor vehicle metal stamping	<1	627	677	1,830
Other motor vehicle parts manufacturing	<1	790	810	4,888
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	320	405	1,302
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	121	180	745
Other aircraft parts and auxiliary equipment manufacturing	<1	50	60	143
Guided missile and space vehicle manufacturing	<1	23	30	104
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	22	28	87

Appendix

Railroad rolling stock manufacturing	<1	17	19	79
Ship building and repairing	<1	8	9	25
Boat building	<1	41	52	226
Motorcycle, bicycle, and parts manufacturing	<1	69	166	368
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	84	142	669
Wood kitchen cabinet and countertop manufacturing	<1	256	411	839
Upholstered household furniture manufacturing	<1	232	285	780
Nonupholstered wood household furniture manufacturing	<1	162	216	508
Other household nonupholstered furniture manufacturing	<1	12	24	67
Institutional furniture manufacturing	<1	8	10	27
Wood office furniture manufacturing	<1	<1	1	3
Custom architectural woodwork and millwork	<1	17	17	38
Office furniture, except wood, manufacturing	<1	7	15	38
Showcase, partition, shelving, and locker manufacturing	<1	95	164	392
Mattress manufacturing	<1	67	160	433
Blind and shade manufacturing	<1	22	25	89
Surgical and medical instrument manufacturing	<1	791	1,080	1,665
Surgical appliance and supplies manufacturing	<1	768	1,130	1,915
Dental equipment and supplies manufacturing	<1	93	119	238
Ophthalmic goods manufacturing	<1	43	64	141
Dental laboratories	<1	198	205	344
Jewelry and silverware manufacturing	<1	201	311	760
Sporting and athletic goods manufacturing	<1	515	616	1,209
Doll, toy, and game manufacturing	<1	108	140	319
Office supplies (except paper) manufacturing	<1	251	310	719
Sign manufacturing	<1	319	282	537
Gasket, packing, and sealing device manufacturing	<1	279	312	634

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Musical instrument manufacturing	<1	65	70	146
Fasteners, buttons, needles, and pins manufacturing	<1	174	206	412
Broom, brush, and mop manufacturing	<1	235	332	750
Burial casket manufacturing	<1	37	43	73
All other miscellaneous manufacturing	<1	658	804	1,611
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,085	4,789	9,644
Wholesale - Professional and commercial equipment and supplies	<1	16,600	26,427	42,069
Wholesale - Household appliances and electrical and electronic goods	<1	4,517	10,688	20,915
Wholesale - Machinery, equipment, and supplies	<1	5,293	10,148	15,976
Wholesale - Other durable goods merchant wholesalers	<1	9,613	16,687	29,408
Wholesale - Drugs and druggists' sundries	<1	6,338	18,353	28,026
Wholesale - Grocery and related product wholesalers	<1	7,911	10,785	18,942
Wholesale - Petroleum and petroleum products	<1	1,574	18,206	20,136
Wholesale - Other nondurable goods merchant wholesalers	<1	20,732	44,344	71,711
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,095	8,413	9,553
Retail - Motor vehicle and parts dealers	<1	6,405	10,943	15,468
Retail - Furniture and home furnishings stores	<1	3,986	5,382	8,234
Retail - Electronics and appliance stores	<1	5,406	5,224	7,790
Retail - Building material and garden equipment and supplies stores	<1	4,142	8,529	12,374
Retail - Food and beverage stores	<1	12,456	17,831	28,281
Retail - Health and personal care stores	<1	8,256	10,694	15,705
Retail - Gasoline stores	<1	2,618	4,985	8,916
Retail - Clothing and clothing accessories stores	<1	5,280	9,172	17,313
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,073	4,225	6,565
Retail - General merchandise stores	<1	10,939	17,656	27,993

Appendix

Retail - Miscellaneous store retailers	<1	5,498	7,106	10,918
Retail - Nonstore retailers	<1	6,936	27,800	47,471
Air transportation	<1	12,439	24,327	41,664
Rail transportation	<1	4,576	7,947	15,291
Water transportation	<1	1,570	2,229	9,711
Truck transportation	<1	17,708	21,211	40,416
Transit and ground passenger transportation	<1	10,486	13,941	20,187
Pipeline transportation	<1	1,100	3,300	3,661
Scenic and sightseeing transportation and support activities for transportation	<1	14,624	16,542	33,496
Couriers and messengers	<1	6,804	10,898	16,896
Warehousing and storage	<1	10,678	12,315	22,163
Newspaper publishers	<1	1,642	2,944	3,473
Periodical publishers	<1	4,034	6,681	8,452
Book publishers	<1	1,284	4,236	6,300
Directory, mailing list, and other publishers	<1	884	2,728	3,841
Greeting card publishing	<1	40	126	196
Software publishers	<1	25,619	60,942	66,069
Motion picture and video industries	<1	4,389	8,271	15,089
Sound recording industries	<1	479	3,653	4,957
Radio and television broadcasting	<1	9,371	10,637	19,211
Cable and other subscription programming	<1	1,762	6,023	12,864
Wired telecommunications carriers	<1	8,259	17,759	31,257
Wireless telecommunications carriers (except satellite)	<1	3,038	20,327	44,643
Satellite, telecommunications resellers, and all other telecommunications	<1	1,918	2,745	6,347
Data processing, hosting, and related services	<1	34,631	66,688	126,124
News syndicates, libraries, archives and all other information services	<1	1,309	2,313	4,040
Internet publishing and broadcasting and web search portals	<1	17,727	39,521	85,125
Nondepository credit intermediation and related activities	<1	15,332	20,041	29,604
Securities and commodity contracts intermediation and brokerage	<1	44,117	37,342	54,328

Appendix

Monetary authorities and depository credit intermediation	<1	42,677	127,762	181,329
Other financial investment activities	<1	36,467	45,780	76,529
Direct life insurance carriers	<1	6,185	15,030	19,101
Insurance carriers, except direct life	<1	18,934	86,039	126,235
Insurance agencies, brokerages, and related activities	<1	14,239	28,506	51,573
Funds, trusts, and other financial vehicles	<1	4,878	8,569	30,585
Other real estate	1	61,854	158,876	328,188
Tenant-occupied housing	<1	4,066	60,001	64,324
Owner-occupied dwellings	0	0	190,530	241,870
Automotive equipment rental and leasing	<1	4,330	11,750	14,935
General and consumer goods rental except video tapes and discs	<1	3,117	4,193	6,229
Video tape and disc rental	<1	732	1,329	1,965
Commercial and industrial machinery and equipment rental and leasing	<1	4,606	11,735	14,990
Lessors of nonfinancial intangible assets	<1	844	24,625	27,457
Legal services	<1	58,787	107,709	130,881
Accounting, tax preparation, bookkeeping, and payroll services	<1	26,712	30,983	42,095
Architectural, engineering, and related services	<1	32,992	34,990	57,331
Specialized design services	<1	2,892	3,811	5,596
Custom computer programming services	<1	13,259	13,778	17,775
Computer systems design services	<1	14,168	13,459	16,371
Other computer related services, including facilities management	<1	6,273	9,596	15,331
Management consulting services	<1	76,412	78,353	107,104
Environmental and other technical consulting services	<1	7,171	7,428	10,365
Scientific research and development services	8	853,174	1,153,700	1,962,634
Advertising, public relations, and related services	<1	31,915	37,975	58,474
Photographic services	<1	707	1,341	2,541
Veterinary services	<1	2,369	2,684	4,121
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	20,134	28,416	47,325

Appendix

Management of companies and enterprises	<1	91,386	109,175	162,393
Office administrative services	<1	26,437	10,106	20,311
Facilities support services	<1	639	938	1,772
Employment services	1	59,271	87,110	123,120
Business support services	<1	10,983	9,076	13,314
Travel arrangement and reservation services	<1	3,990	5,138	10,355
Investigation and security services	<1	7,678	7,478	10,607
Services to buildings	<1	11,253	15,374	25,712
Landscape and horticultural services	<1	8,009	9,702	15,794
Other support services	<1	4,717	5,984	10,253
Waste management and remediation services	<1	5,333	9,006	15,051
Elementary and secondary schools	<1	11,626	9,704	11,349
Junior colleges, colleges, universities, and professional schools	<1	34,467	45,775	55,189
Other educational services	<1	6,827	7,821	13,895
Offices of physicians	<1	52,508	55,180	76,615
Offices of dentists	<1	10,827	13,699	19,346
Offices of other health practitioners	<1	8,603	12,652	16,748
Outpatient care centers	<1	6,674	6,145	11,106
Medical and diagnostic laboratories	<1	3,215	4,688	6,677
Home health care services	<1	9,268	8,932	11,920
Other ambulatory health care services	<1	3,406	3,827	6,314
Hospitals	1	98,880	121,468	222,458
Nursing and community care facilities	<1	13,621	16,966	28,039
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,789	6,709	10,079
Individual and family services	<1	15,695	13,506	20,419
Child day care services	<1	6,295	8,709	11,590
Community food, housing, and other relief services, including rehabilitation services	<1	5,946	5,883	12,809
Performing arts companies	<1	2,797	4,524	6,396
Commercial Sports Except Racing	<1	6,451	6,129	8,165
Racing and Track Operation	<1	533	1,062	1,366
Independent artists, writers, and performers	<1	1,818	7,197	8,636

Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,286	5,111	7,483
Museums, historical sites, zoos, and parks	<1	1,576	2,244	3,384
Amusement parks and arcades	<1	719	992	1,344
Gambling industries (except casino hotels)	<1	4,801	12,595	16,936
Other amusement and recreation industries	<1	3,432	3,559	5,688
Fitness and recreational sports centers	<1	3,535	4,102	6,483
Bowling centers	<1	508	668	1,092
Hotels and motels, including casino hotels	<1	11,850	19,861	27,819
Other accommodations	<1	4,021	5,269	6,632
Full-service restaurants	<1	24,300	38,143	60,664
Limited-service restaurants	<1	16,678	29,497	58,569
All other food and drinking places	<1	18,557	26,013	36,985
Automotive repair and maintenance, except car washes	<1	17,204	17,578	26,780
Car washes	<1	7,413	12,422	18,224
Electronic and precision equipment repair and maintenance	<1	3,880	4,898	7,299
Commercial and industrial machinery and equipment repair and maintenance	<1	7,337	6,997	10,082
Personal and household goods repair and maintenance	<1	1,882	3,431	4,814
Personal care services	<1	8,541	6,881	9,442
Death care services	<1	2,419	1,029	1,703
Dry-cleaning and laundry services	<1	4,857	1,897	2,986
Other personal services	<1	6,407	7,580	10,860
Religious organizations	<1	24,125	7,562	34,385
Grantmaking, giving, and social advocacy organizations	<1	6,818	18,169	28,750
Business and professional associations	<1	6,760	10,298	15,934
Labor and civic organizations	<1	6,031	14,408	24,902
Private households	<1	3,465	3,465	3,465
Postal service	<1	9,359	9,364	9,954
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	355	-120	539
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	3,739	-3,528	1,302
Local government electric utilities	<1	25	59	104
Other local government enterprises	<1	3,977	4,063	8,707
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	452,277	693,777	1,587,174

Investments in Climate Change Research and Technology

Table 666: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Illinois

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>177</i>	<i>13,069,840</i>	<i>20,344,818</i>	<i>35,905,245</i>
Oilseed farming	<1	24,066	39,082	94,207
Grain farming	<1	12,574	6,545	81,584
Vegetable and melon farming	<1	445	635	1,865
Fruit farming	<1	101	149	351
Tree nut farming	<1	4	7	16
Greenhouse, nursery, and floriculture production	<1	1,496	1,875	5,091
Tobacco farming	<1	7	7	17
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	308	356	1,029
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,478	2,901	13,223

Appendix

Dairy cattle and milk production	<1	273	454	3,513
Poultry and egg production	<1	92	126	2,002
Animal production, except cattle and poultry and eggs	<1	15,121	22,806	49,031
Forestry, forest products, and timber tract production	<1	448	493	691
Commercial logging	<1	398	439	714
Commercial fishing	<1	11	94	97
Commercial hunting and trapping	<1	19	-16	177
Support activities for agriculture and forestry	<1	5,660	4,956	5,990
Oil and gas extraction	<1	4,223	1,668	51,451
Coal mining	<1	13,178	35,692	63,107
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	9	13	22
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,392	4,545	7,679
Sand and gravel mining	<1	1,209	2,422	4,094
Other clay, ceramic, refractory minerals mining	<1	24	45	76
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	36	83	149
Other nonmetallic minerals	<1	100	187	356
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	34	31	108
Metal mining services	<1	63	30	954
Other nonmetallic minerals services	<1	10	7	95
Electric power generation - Hydroelectric	<1	2,278	5,994	11,255
Electric power generation - Fossil fuel	<1	23,244	83,827	214,789
Electric power generation - Nuclear	<1	82,425	168,143	329,304
Electric power generation - Solar	<1	1,010	4,097	9,787
Electric power generation - Wind	<1	9,025	60,829	113,654
Electric power generation - Geothermal	<1	109	241	450

Appendix

Electric power generation - Biomass	<1	23	117	371
Electric power generation - All other	<1	80	55	175
Electric power transmission and distribution	<1	127,210	392,412	896,283
Natural gas distribution	<1	13,325	34,723	80,779
Water, sewage and other systems	<1	3,853	7,331	13,501
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	36,518	56,922	119,905
Maintenance and repair construction of residential structures	<1	14,046	21,385	45,571
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	32	51	106
Dog and cat food manufacturing	<1	700	2,196	9,484
Other animal food manufacturing	<1	1,812	3,223	21,197
Flour milling	<1	1,289	2,611	13,157
Rice milling	<1	7	12	86
Malt manufacturing	<1	8	15	93
Wet corn milling	<1	7,051	19,930	81,458
Soybean and other oilseed processing	<1	600	3,572	27,477
Fats and oils refining and blending	<1	287	609	5,203
Breakfast cereal manufacturing	<1	2,228	5,747	15,669
Beet sugar manufacturing	<1	194	444	1,964

Appendix

Sugar cane mills and refining	<1	34	96	486
Nonchocolate confectionery manufacturing	<1	2,453	3,934	11,934
Chocolate and confectionery manufacturing from cacao beans	<1	574	909	3,393
Confectionery manufacturing from purchased chocolate	<1	3,275	4,715	15,258
Frozen fruits, juices and vegetables manufacturing	<1	620	1,290	5,394
Frozen specialties manufacturing	<1	2,031	2,970	11,242
Canned fruits and vegetables manufacturing	<1	1,466	3,145	7,652
Canned specialties	<1	271	769	3,443
Dehydrated food products manufacturing	<1	446	848	2,911
Cheese manufacturing	<1	1,073	1,606	13,554
Dry, condensed, and evaporated dairy product manufacturing	<1	1,004	2,622	17,814
Fluid milk manufacturing	<1	1,451	2,441	16,050
Creamery butter manufacturing	<1	44	234	1,534
Ice cream and frozen dessert manufacturing	<1	592	849	3,750
Frozen cakes and other pastries manufacturing	<1	2,334	3,598	6,609
Poultry processing	<1	460	569	1,300
Animal, except poultry, slaughtering	<1	5,069	6,551	49,670
Meat processed from carcasses	<1	8,580	8,210	58,339
Rendering and meat byproduct processing	<1	271	305	1,292
Seafood product preparation and packaging	<1	477	623	2,951
Bread and bakery product, except frozen, manufacturing	<1	10,440	15,625	34,082
Cookie and cracker manufacturing	<1	1,916	2,864	8,584
Dry pasta, mixes, and dough manufacturing	<1	1,368	3,298	12,464
Tortilla manufacturing	<1	963	1,237	3,454
Roasted nuts and peanut butter manufacturing	<1	638	1,275	4,399
Other snack food manufacturing	<1	1,666	3,944	13,300
Coffee and tea manufacturing	<1	374	738	4,236
Flavoring syrup and concentrate manufacturing	<1	851	7,623	14,862
Mayonnaise, dressing, and sauce manufacturing	<1	496	1,032	3,889
Spice and extract manufacturing	<1	2,053	3,576	13,143
All other food manufacturing	<1	2,696	4,168	17,909

Appendix

Bottled and canned soft drinks & water	<1	3,360	5,767	27,870
Manufactured ice	<1	177	105	524
Breweries	<1	1,679	4,034	12,187
Wineries	<1	361	632	2,870
Distilleries	<1	1,356	6,255	13,107
Tobacco product manufacturing	<1	50	1,263	2,203
Fiber, yarn, and thread mills	<1	93	132	653
Broadwoven fabric mills	<1	44	67	269
Narrow fabric mills and schiffli machine embroidery	<1	65	71	208
Nonwoven fabric mills	<1	326	577	2,259
Knit fabric mills	<1	17	22	66
Textile and fabric finishing mills	<1	81	105	407
Fabric coating mills	<1	96	130	586
Carpet and rug mills	<1	170	258	589
Curtain and linen mills	<1	322	412	1,351
Textile bag and canvas mills	<1	708	837	2,313
Rope, cordage, twine, tire cord and tire fabric mills	<1	102	148	484
Other textile product mills	<1	326	392	1,164
Hosiery and sock mills	<1	31	62	148
Other apparel knitting mills	<1	35	64	147
Cut and sew apparel contractors	<1	138	171	379
Mens and boys cut and sew apparel manufacturing	<1	736	879	2,207
Womens and girls cut and sew apparel manufacturing	<1	31	56	208
Other cut and sew apparel manufacturing	<1	271	381	1,158
Apparel accessories and other apparel manufacturing	<1	377	503	1,223
Leather and hide tanning and finishing	<1	69	102	365
Footwear manufacturing	<1	448	486	1,212
Other leather and allied product manufacturing	<1	75	80	205
Sawmills	<1	189	281	1,236
Wood preservation	<1	232	572	2,210
Veneer and plywood manufacturing	<1	69	105	396
Engineered wood member and truss manufacturing	<1	104	146	513
Reconstituted wood product manufacturing	<1	59	131	581
Wood windows and door manufacturing	<1	1,571	2,099	6,341

Appendix

Cut stock, resawing lumber, and planing	<1	41	68	209
Other millwork, including flooring	<1	552	826	2,502
Wood container and pallet manufacturing	<1	1,194	1,566	4,617
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	113	150	432
All other miscellaneous wood product manufacturing	<1	504	707	2,199
Pulp mills	<1	108	146	625
Paper mills	<1	1,622	2,980	10,580
Paperboard mills	<1	981	1,852	9,736
Paperboard container manufacturing	<1	7,397	10,061	44,790
Paper bag and coated and treated paper manufacturing	<1	7,224	11,014	34,744
Stationery product manufacturing	<1	832	1,138	4,435
Sanitary paper product manufacturing	<1	807	1,718	6,507
All other converted paper product manufacturing	<1	643	855	2,980
Printing	<1	31,836	46,887	89,418
Support activities for printing	<1	2,762	3,874	5,727
Petroleum refineries	<1	10,711	76,670	290,990
Asphalt paving mixture and block manufacturing	<1	578	926	3,150
Asphalt shingle and coating materials manufacturing	<1	236	899	2,113
Petroleum lubricating oil and grease manufacturing	<1	1,861	7,013	15,601
All other petroleum and coal products manufacturing	<1	984	4,585	10,154
Petrochemical manufacturing	<1	410	2,469	16,579
Industrial gas manufacturing	<1	2,619	4,313	13,588
Synthetic dye and pigment manufacturing	<1	371	576	2,215
Other basic inorganic chemical manufacturing	<1	2,428	3,874	12,613
Other basic organic chemical manufacturing	<1	3,044	5,012	34,384
Plastics material and resin manufacturing	<1	4,982	6,852	41,671
Synthetic rubber manufacturing	<1	163	221	1,404
Artificial and synthetic fibers and filaments manufacturing	<1	44	59	358

Appendix

Nitrogenous fertilizer manufacturing	<1	208	378	1,304
Phosphatic fertilizer manufacturing	<1	49	80	342
Fertilizer mixing	<1	35	55	243
Pesticide and other agricultural chemical manufacturing	<1	1,988	4,315	17,615
Medicinal and botanical manufacturing	<1	939	1,233	4,247
Pharmaceutical preparation manufacturing	<1	32,764	75,737	194,192
In-vitro diagnostic substance manufacturing	<1	479	598	1,581
Biological product (except diagnostic) manufacturing	<1	703	1,132	2,978
Paint and coating manufacturing	<1	2,410	3,627	15,201
Adhesive manufacturing	<1	786	1,053	4,806
Soap and other detergent manufacturing	<1	3,217	7,233	34,417
Polish and other sanitation good manufacturing	<1	1,399	1,811	5,395
Surface active agent manufacturing	<1	1,133	2,596	8,095
Toilet preparation manufacturing	<1	2,639	5,950	20,178
Printing ink manufacturing	<1	1,900	2,032	7,814
Explosives manufacturing	<1	109	121	494
Custom compounding of purchased resins	<1	671	953	4,198
Photographic film and chemical manufacturing	<1	3,184	5,598	20,819
Other miscellaneous chemical product manufacturing	<1	1,651	2,266	8,845
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,251	6,124	18,407
Unlaminated plastics profile shape manufacturing	<1	1,204	3,136	8,649
Plastics pipe and pipe fitting manufacturing	<1	269	892	2,432
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	360	787	2,119
Polystyrene foam product manufacturing	<1	1,633	3,175	9,834
Urethane and other foam product (except polystyrene) manufacturing	<1	668	1,232	4,019
Plastics bottle manufacturing	<1	673	1,222	4,956
Other plastics product manufacturing	<1	20,090	32,206	84,415

Appendix

Tire manufacturing	<1	3,945	6,750	26,205
Rubber and plastics hoses and belting manufacturing	<1	468	782	2,177
Other rubber product manufacturing	<1	3,019	4,692	12,811
Pottery, ceramics, and plumbing fixture manufacturing	<1	140	220	526
Brick, tile, and other structural clay product manufacturing	<1	357	677	1,201
Flat glass manufacturing	<1	211	506	1,055
Other pressed and blown glass and glassware manufacturing	<1	228	448	974
Glass container manufacturing	<1	707	1,240	2,644
Glass product manufacturing made of purchased glass	<1	968	1,819	3,867
Cement manufacturing	<1	339	946	1,993
Ready-mix concrete manufacturing	<1	2,612	4,891	12,470
Concrete block and brick manufacturing	<1	792	1,611	3,293
Concrete pipe manufacturing	<1	108	204	413
Other concrete product manufacturing	<1	1,590	2,400	4,409
Lime manufacturing	<1	22	59	152
Gypsum product manufacturing	<1	117	369	885
Abrasive product manufacturing	<1	499	1,629	2,493
Cut stone and stone product manufacturing	<1	866	1,072	2,192
Ground or treated mineral and earth manufacturing	<1	271	826	1,428
Mineral wool manufacturing	<1	156	414	866
Miscellaneous nonmetallic mineral products manufacturing	<1	92	314	611
Iron and steel mills and ferroalloy manufacturing	<1	1,827	3,170	18,862
Iron, steel pipe and tube manufacturing from purchased steel	<1	720	1,119	4,149
Rolled steel shape manufacturing	<1	393	721	3,722
Steel wire drawing	<1	134	191	864
Alumina refining and primary aluminum production	<1	42	63	477
Secondary smelting and alloying of aluminum	<1	34	58	547
Aluminum sheet, plate, and foil manufacturing	<1	149	269	1,323
Other aluminum rolling, drawing and extruding	<1	202	283	1,582

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	19	62	277
Copper rolling, drawing, extruding and alloying	<1	2,314	3,146	22,145
Nonferrous metal, except copper and aluminum, shaping	<1	168	199	796
Secondary processing of other nonferrous metals	<1	12	21	130
Ferrous metal foundries	<1	777	1,109	2,748
Nonferrous metal foundries	<1	917	1,226	3,509
Custom roll forming	<1	68	122	534
Crown and closure manufacturing and metal stamping	<1	2,532	3,287	8,460
Iron and steel forging	<1	1,049	1,785	5,325
Nonferrous forging	<1	102	155	551
Cutlery, utensil, pot, and pan manufacturing	<1	155	430	817
Handtool manufacturing	<1	1,165	1,973	4,182
Prefabricated metal buildings and components manufacturing	<1	350	530	1,593
Fabricated structural metal manufacturing	<1	1,569	2,429	7,132
Plate work manufacturing	<1	689	766	2,307
Metal window and door manufacturing	<1	1,050	1,483	3,729
Sheet metal work manufacturing	<1	1,479	2,029	5,128
Ornamental and architectural metal work manufacturing	<1	871	1,171	2,930
Power boiler and heat exchanger manufacturing	<1	9	13	29
Metal tank (heavy gauge) manufacturing	<1	107	141	461
Metal cans manufacturing	<1	398	952	4,464
Metal barrels, drums and pails manufacturing	<1	322	408	1,412
Hardware manufacturing	<1	664	1,093	3,322
Spring and wire product manufacturing	<1	1,021	1,448	3,879
Machine shops	<1	5,059	6,368	12,808
Turned product and screw, nut, and bolt manufacturing	<1	2,205	3,382	8,740
Metal heat treating	<1	603	914	2,310
Metal coating and nonprecious engraving	<1	916	1,702	3,983
Electroplating, anodizing, and coloring metal	<1	1,543	1,792	3,879
Valve and fittings, other than plumbing, manufacturing	<1	955	1,586	4,354

Appendix

Plumbing fixture fitting and trim manufacturing	<1	538	1,589	4,714
Ball and roller bearing manufacturing	<1	811	1,560	3,893
Small arms ammunition manufacturing	<1	4,334	9,166	16,961
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	420	837	2,239
Fabricated pipe and pipe fitting manufacturing	<1	445	572	1,352
Other fabricated metal manufacturing	<1	11,782	15,926	37,170
Farm machinery and equipment manufacturing	<1	182	345	1,139
Lawn and garden equipment manufacturing	<1	218	405	2,012
Construction machinery manufacturing	<1	517	1,188	2,344
Mining machinery and equipment manufacturing	<1	29	48	134
Oil and gas field machinery and equipment manufacturing	<1	8	14	60
Semiconductor machinery manufacturing	<1	1	1	4
Food product machinery manufacturing	<1	19	22	60
Sawmill, woodworking, and paper machinery	<1	51	58	170
Printing machinery and equipment manufacturing	<1	58	65	166
All other industrial machinery manufacturing	<1	74	96	267
Optical instrument and lens manufacturing	<1	11	17	58
Photographic and photocopying equipment manufacturing	<1	12	17	57
Other commercial service industry machinery manufacturing	<1	714	1,175	2,985
Air purification and ventilation equipment manufacturing	<1	286	392	989
Heating equipment (except warm air furnaces) manufacturing	<1	582	917	2,735
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	844	1,572	4,863
Industrial mold manufacturing	<1	214	254	504
Special tool, die, jig, and fixture manufacturing	<1	197	266	517

Appendix

Cutting tool and machine tool accessory manufacturing	<1	217	249	569
Machine tool manufacturing	<1	67	86	248
Rolling mill and other metalworking machinery manufacturing	<1	69	83	174
Turbine and turbine generator set units manufacturing	<1	163	214	540
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,420	2,172	6,270
Mechanical power transmission equipment manufacturing	<1	959	1,561	3,643
Other engine equipment manufacturing	<1	3,185	6,757	19,477
Pump and pumping equipment manufacturing	<1	152	271	715
Air and gas compressor manufacturing	<1	35	65	181
Elevator and moving stairway manufacturing	<1	92	134	429
Conveyor and conveying equipment manufacturing	<1	68	78	224
Overhead cranes, hoists, and monorail systems manufacturing	<1	7	14	40
Industrial truck, trailer, and stacker manufacturing	<1	134	221	644
Power-driven handtool manufacturing	<1	15	42	126
Welding and soldering equipment manufacturing	<1	156	227	422
Packaging machinery manufacturing	<1	84	124	320
Industrial process furnace and oven manufacturing	<1	27	33	79
Fluid power cylinder and actuator manufacturing	<1	311	449	1,063
Fluid power pump and motor manufacturing	<1	437	715	1,957
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	64	80	235
Electronic computer manufacturing	<1	7	18	73
Computer storage device manufacturing	<1	2	5	14
Computer terminals and other computer peripheral equipment manufacturing	<1	9,429	17,217	35,540
Telephone apparatus manufacturing	<1	332	641	1,769

Appendix

Broadcast and wireless communications equipment manufacturing	<1	91	158	342
Other communications equipment manufacturing	<1	466	935	2,157
Audio and video equipment manufacturing	<1	357	681	1,591
Printed circuit assembly (electronic assembly) manufacturing	<1	647	1,436	4,972
Bare printed circuit board manufacturing	<1	453	670	1,759
Semiconductor and related device manufacturing	<1	46	97	286
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	137	218	622
Electronic connector manufacturing	<1	2,434	4,199	8,135
Other electronic component manufacturing	<1	628	964	2,760
Electromedical and electrotherapeutic apparatus manufacturing	<1	42	96	204
Search, detection, and navigation instruments manufacturing	<1	14	28	52
Automatic environmental control manufacturing	<1	5,075	7,349	13,313
Industrial process variable instruments manufacturing	<1	122	221	499
Totalizing fluid meter and counting device manufacturing	<1	143	395	753
Electricity and signal testing instruments manufacturing	<1	140	255	744
Analytical laboratory instrument manufacturing	<1	5,274	10,668	21,410
Irradiation apparatus manufacturing	<1	7	16	37
Watch, clock, and other measuring and controlling device manufacturing	<1	47	102	238
Blank magnetic and optical recording media manufacturing	<1	9	33	91
Software and other prerecorded and record reproducing	<1	1,161	1,847	3,211
Electric lamp bulb and part manufacturing	<1	99	178	582
Lighting fixture manufacturing	<1	1,089	1,560	3,705
Small electrical appliance manufacturing	<1	1,333	2,777	7,676

Appendix

Household cooking appliance manufacturing	<1	293	564	1,419
Household refrigerator and home freezer manufacturing	<1	316	630	1,532
Household laundry equipment manufacturing	<1	760	1,200	3,661
Other major household appliance manufacturing	<1	117	246	565
Power, distribution, and specialty transformer manufacturing	<1	64	93	240
Motor and generator manufacturing	<1	751	1,184	2,949
Switchgear and switchboard apparatus manufacturing	<1	1,331	2,133	5,296
Relay and industrial control manufacturing	<1	1,021	1,352	3,028
Storage battery manufacturing	<1	730	1,024	2,488
Primary battery manufacturing	<1	217	454	579
Fiber optic cable manufacturing	<1	358	436	1,485
Other communication and energy wire manufacturing	<1	309	446	1,336
Wiring device manufacturing	<1	1,743	3,122	6,943
Carbon and graphite product manufacturing	<1	57	89	276
All other miscellaneous electrical equipment and component manufacturing	<1	54	63	180
Automobile manufacturing	<1	2,981	6,374	37,325
Light truck and utility vehicle manufacturing	<1	1,831	3,389	37,618
Heavy duty truck manufacturing	<1	5	9	54
Motor vehicle body manufacturing	<1	129	153	532
Truck trailer manufacturing	<1	3	4	22
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	169	184	626
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,311	1,727	10,285
Motor vehicle electrical and electronic equipment manufacturing	<1	4,067	4,901	29,122
Motor vehicle transmission and power train parts manufacturing	<1	3,278	4,321	23,506
Motor vehicle seating and interior trim manufacturing	<1	611	705	4,146
Motor vehicle metal stamping	<1	5,103	5,763	16,210
Other motor vehicle parts manufacturing	<1	4,331	5,445	27,541

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,395	1,867	6,128
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	25	42	183
Other aircraft parts and auxiliary equipment manufacturing	<1	728	978	2,256
Guided missile and space vehicle manufacturing	<1	97	129	457
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2	3	8
Railroad rolling stock manufacturing	<1	78	87	390
Ship building and repairing	<1	34	40	110
Boat building	<1	260	326	1,455
Motorcycle, bicycle, and parts manufacturing	<1	186	439	1,011
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	321	504	2,541
Wood kitchen cabinet and countertop manufacturing	<1	1,178	2,083	4,207
Upholstered household furniture manufacturing	<1	657	805	2,227
Nonupholstered wood household furniture manufacturing	<1	652	899	2,138
Other household nonupholstered furniture manufacturing	<1	42	85	245
Institutional furniture manufacturing	<1	77	91	266
Wood office furniture manufacturing	<1	28	49	110
Custom architectural woodwork and millwork	<1	65	65	151
Office furniture, except wood, manufacturing	<1	1,004	2,319	5,563
Showcase, partition, shelving, and locker manufacturing	<1	459	873	2,082
Mattress manufacturing	<1	280	689	1,915
Blind and shade manufacturing	<1	100	110	398
Surgical and medical instrument manufacturing	<1	2,571	3,437	5,817
Surgical appliance and supplies manufacturing	<1	2,289	3,192	5,908
Dental equipment and supplies manufacturing	<1	282	359	757

Appendix

Ophthalmic goods manufacturing	<1	157	219	512
Dental laboratories	<1	626	646	1,098
Jewelry and silverware manufacturing	<1	914	1,378	3,451
Sporting and athletic goods manufacturing	<1	2,024	2,382	5,130
Doll, toy, and game manufacturing	<1	351	422	1,043
Office supplies (except paper) manufacturing	<1	1,040	1,246	3,282
Sign manufacturing	<1	2,071	1,740	3,439
Gasket, packing, and sealing device manufacturing	<1	1,601	1,760	3,739
Musical instrument manufacturing	<1	130	134	297
Fasteners, buttons, needles, and pins manufacturing	<1	555	632	1,290
Broom, brush, and mop manufacturing	<1	746	792	2,395
Burial casket manufacturing	<1	317	353	683
All other miscellaneous manufacturing	<1	3,184	3,775	8,139
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,355	19,342	38,766
Wholesale - Professional and commercial equipment and supplies	<1	40,851	65,345	105,894
Wholesale - Household appliances and electrical and electronic goods	<1	14,409	35,297	69,657
Wholesale - Machinery, equipment, and supplies	<1	21,688	42,395	66,601
Wholesale - Other durable goods merchant wholesalers	<1	33,347	58,285	103,480
Wholesale - Drugs and druggists' sundries	<1	25,616	76,517	119,052
Wholesale - Grocery and related product wholesalers	<1	36,267	49,973	88,568
Wholesale - Petroleum and petroleum products	<1	9,981	79,614	90,944
Wholesale - Other nondurable goods merchant wholesalers	<1	61,075	124,525	209,102
Wholesale - Wholesale electronic markets and agents and brokers	<1	40,706	42,312	48,293
Retail - Motor vehicle and parts dealers	<1	29,173	49,782	71,093
Retail - Furniture and home furnishings stores	<1	17,068	23,036	35,999
Retail - Electronics and appliance stores	<1	23,886	22,560	34,656

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Retail - Building material and garden equipment and supplies stores	<1	17,078	35,260	51,665
Retail - Food and beverage stores	2	49,178	71,329	116,081
Retail - Health and personal care stores	<1	36,804	47,447	70,125
Retail - Gasoline stores	<1	11,163	22,676	43,072
Retail - Clothing and clothing accessories stores	<1	21,910	38,803	76,456
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,298	18,313	29,302
Retail - General merchandise stores	2	51,966	83,162	132,558
Retail - Miscellaneous store retailers	<1	22,551	29,469	47,440
Retail - Nonstore retailers	1	29,028	109,666	194,063
Air transportation	<1	55,638	102,250	181,286
Rail transportation	<1	15,605	32,632	57,855
Water transportation	<1	5,531	7,754	35,858
Truck transportation	1	80,625	98,751	192,854
Transit and ground passenger transportation	2	29,864	38,873	61,400
Pipeline transportation	<1	14,169	31,840	35,199
Scenic and sightseeing transportation and support activities for transportation	1	72,143	81,308	163,018
Couriers and messengers	<1	27,606	43,907	69,107
Warehousing and storage	<1	42,635	49,124	90,200
Newspaper publishers	<1	8,050	14,170	17,095
Periodical publishers	<1	14,069	22,863	31,202
Book publishers	<1	6,121	19,986	30,514
Directory, mailing list, and other publishers	<1	10,457	29,996	42,599
Greeting card publishing	<1	129	374	624
Software publishers	<1	37,622	88,198	97,216
Motion picture and video industries	<1	14,238	26,173	58,926
Sound recording industries	<1	1,884	13,122	19,906
Radio and television broadcasting	<1	26,559	32,783	84,795
Cable and other subscription programming	<1	2,888	15,385	42,047
Wired telecommunications carriers	<1	36,150	80,836	146,023
Wireless telecommunications carriers (except satellite)	<1	12,832	81,572	187,319

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	7,378	11,200	28,059
Data processing, hosting, and related services	<1	42,351	82,237	197,096
News syndicates, libraries, archives and all other information services	<1	5,329	9,057	17,477
Internet publishing and broadcasting and web search portals	<1	73,800	165,943	505,855
Nondepository credit intermediation and related activities	<1	65,139	83,273	131,638
Securities and commodity contracts intermediation and brokerage	2	169,308	148,982	259,102
Monetary authorities and depository credit intermediation	2	225,520	622,264	935,907
Other financial investment activities	1	107,964	141,018	288,326
Direct life insurance carriers	<1	30,768	70,656	95,679
Insurance carriers, except direct life	<1	85,890	358,678	575,528
Insurance agencies, brokerages, and related activities	<1	83,119	162,393	307,196
Funds, trusts, and other financial vehicles	<1	18,306	31,028	132,548
Other real estate	8	273,906	729,104	1,683,742
Tenant-occupied housing	<1	15,918	215,258	239,183
Owner-occupied dwellings	0	0	713,521	905,784
Automotive equipment rental and leasing	<1	13,460	48,644	66,136
General and consumer goods rental except video tapes and discs	<1	13,121	19,482	31,125
Video tape and disc rental	<1	3,117	5,806	8,642
Commercial and industrial machinery and equipment rental and leasing	<1	19,129	59,950	79,361
Lessors of nonfinancial intangible assets	<1	2,191	57,909	64,917
Legal services	2	298,153	531,308	661,887
Accounting, tax preparation, bookkeeping, and payroll services	1	120,767	133,056	189,141
Architectural, engineering, and related services	3	240,464	246,889	416,481
Specialized design services	<1	12,696	15,454	24,414
Custom computer programming services	<1	53,053	55,931	75,121

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Computer systems design services	<1	60,424	56,967	70,980
Other computer related services, including facilities management	<1	23,868	36,674	61,155
Management consulting services	3	386,552	393,707	561,152
Environmental and other technical consulting services	<1	31,282	32,026	45,731
Scientific research and development services	40	4,121,392	5,775,356	10,133,293
Advertising, public relations, and related services	1	138,740	158,756	263,832
Photographic services	<1	3,417	5,715	11,941
Veterinary services	<1	10,011	10,835	17,318
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	100,967	134,105	242,872
Management of companies and enterprises	3	383,989	456,289	706,420
Office administrative services	1	92,243	33,223	74,340
Facilities support services	<1	2,914	4,290	8,851
Employment services	7	284,098	408,516	618,455
Business support services	1	70,644	57,126	90,114
Travel arrangement and reservation services	<1	19,049	24,480	50,621
Investigation and security services	<1	33,459	32,333	48,365
Services to buildings	1	49,011	65,815	117,913
Landscape and horticultural services	1	48,436	58,238	98,810
Other support services	<1	25,516	32,187	58,075
Waste management and remediation services	<1	22,981	38,823	66,284
Elementary and secondary schools	<1	36,681	30,886	36,831
Junior colleges, colleges, universities, and professional schools	16	1,035,226	1,384,728	1,716,353
Other educational services	<1	28,408	32,245	59,827
Offices of physicians	2	226,720	236,335	329,753
Offices of dentists	<1	44,985	55,415	79,567
Offices of other health practitioners	<1	37,649	53,181	71,270
Outpatient care centers	<1	25,984	23,660	42,584
Medical and diagnostic laboratories	<1	13,152	18,451	27,127
Home health care services	1	40,367	38,590	51,688
Other ambulatory health care services	<1	14,186	15,697	26,290

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Hospitals	4	344,249	426,888	794,436
Nursing and community care facilities	1	52,607	65,420	112,437
Residential mental retardation, mental health, substance abuse and other facilities	<1	19,097	22,070	34,126
Individual and family services	2	55,002	46,188	71,592
Child day care services	<1	24,050	31,798	44,122
Community food, housing, and other relief services, including rehabilitation services	<1	19,226	18,891	42,901
Performing arts companies	<1	8,990	15,106	23,824
Commercial Sports Except Racing	<1	25,324	25,859	35,175
Racing and Track Operation	<1	1,887	3,926	5,873
Independent artists, writers, and performers	<1	5,830	27,132	33,541
Promoters of performing arts and sports and agents for public figures	<1	7,732	18,422	29,445
Museums, historical sites, zoos, and parks	<1	5,930	8,510	13,309
Amusement parks and arcades	<1	2,455	4,024	5,537
Gambling industries (except casino hotels)	<1	17,353	45,675	63,999
Other amusement and recreation industries	<1	13,775	14,941	24,985
Fitness and recreational sports centers	<1	12,455	15,326	25,275
Bowling centers	<1	2,049	2,808	4,765
Hotels and motels, including casino hotels	<1	40,364	70,007	100,459
Other accommodations	<1	11,338	15,052	19,384
Full-service restaurants	4	105,542	161,915	268,330
Limited-service restaurants	3	69,130	119,961	252,458
All other food and drinking places	2	76,321	106,857	157,596
Automotive repair and maintenance, except car washes	1	65,606	72,051	110,015
Car washes	<1	29,365	49,678	73,756
Electronic and precision equipment repair and maintenance	<1	43,214	53,652	83,853
Commercial and industrial machinery and equipment repair and maintenance	<1	32,911	32,193	47,954
Personal and household goods repair and maintenance	<1	7,788	15,049	21,322
Personal care services	1	31,699	27,161	37,263
Death care services	<1	8,104	4,471	6,984

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Dry-cleaning and laundry services	<1	18,573	9,418	13,972
Other personal services	<1	25,251	30,485	44,457
Religious organizations	2	85,478	35,167	133,612
Grantmaking, giving, and social advocacy organizations	1	82,530	254,319	398,146
Business and professional associations	<1	26,596	43,878	69,113
Labor and civic organizations	<1	19,369	51,394	86,247
Private households	<1	12,916	12,916	12,916
Postal service	<1	40,405	40,424	43,052
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	135,619	-38,123	195,242
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	15,828	-11,136	9,362
Local government electric utilities	<1	173	483	862
Other local government enterprises	<1	19,630	22,707	48,586
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	107,170	145,919	333,823

Indiana

NASA

Table 667: Detailed NASA Impacts by Types of Impact, Indiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,131</i>	<i>71,966,836</i>	<i>118,549,490</i>	<i>216,383,467</i>
Oilseed farming	1	109,583	243,169	650,492
Grain farming	3	86,812	55,223	553,022
Vegetable and melon farming	<1	8,439	11,735	29,730
Fruit farming	<1	1,051	1,487	3,040
Tree nut farming	<1	57	85	170
Greenhouse, nursery, and floriculture production	<1	8,987	10,875	23,586
Tobacco farming	<1	124	113	247
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,411	5,059	11,721
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,671	13,975	64,495
Dairy cattle and milk production	<1	6,948	11,320	80,709
Poultry and egg production	<1	7,165	10,160	115,028
Animal production, except cattle and poultry and eggs	4	89,031	162,982	359,081
Forestry, forest products, and timber tract production	<1	2,732	2,639	3,209
Commercial logging	<1	8,733	6,833	9,673
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	-788	1,369
Support activities for agriculture and forestry	1	73,156	45,534	55,387
Oil and gas extraction	<1	10,468	3,182	147,086
Coal mining	<1	37,880	75,256	136,659
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	251	488	952
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	10,530	26,234	51,890
Sand and gravel mining	<1	5,800	10,228	20,477

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Other clay, ceramic, refractory minerals mining	<1	184	302	727
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	1,461	2,262	4,611
Drilling oil and gas wells	<1	2	2	11
Support activities for oil and gas operations	<1	32	21	161
Metal mining services	<1	73	29	1,258
Other nonmetallic minerals services	<1	42	52	420
Electric power generation - Hydroelectric	<1	431	1,398	3,186
Electric power generation - Fossil fuel	<1	101,687	390,958	1,049,684
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	289	1,155	3,001
Electric power generation - Wind	<1	1,785	15,189	30,029
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	171	735	1,737
Electric power generation - All other	<1	113	63	151
Electric power transmission and distribution	1	187,574	676,185	1,726,564
Natural gas distribution	<1	55,401	154,171	342,104
Water, sewage and other systems	<1	13,889	28,752	54,727
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	215,762	302,247	717,129
Maintenance and repair construction of residential structures	1	84,330	117,629	279,477
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	232	327	770
Dog and cat food manufacturing	<1	4,382	17,652	58,430
Other animal food manufacturing	<1	11,718	23,067	161,569
Flour milling	<1	5,419	13,123	71,441
Rice milling	<1	905	1,823	10,154
Malt manufacturing	0	0	0	0
Wet corn milling	<1	26,672	98,267	377,632
Soybean and other oilseed processing	<1	2,837	22,229	123,068
Fats and oils refining and blending	<1	1,481	3,780	26,491
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4,565	8,456	30,842
Chocolate and confectionery manufacturing from cacao beans	<1	11	20	84
Confectionery manufacturing from purchased chocolate	<1	2,568	4,219	22,569
Frozen fruits, juices and vegetables manufacturing	<1	52	136	480
Frozen specialties manufacturing	<1	5,830	9,606	36,464
Canned fruits and vegetables manufacturing	<1	6,435	17,208	51,632
Canned specialties	<1	6,813	23,823	78,726
Dehydrated food products manufacturing	<1	1,844	4,264	13,923
Cheese manufacturing	<1	6,664	11,178	73,741
Dry, condensed, and evaporated dairy product manufacturing	<1	5,844	19,102	69,046
Fluid milk manufacturing	<1	12,015	23,730	120,469
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3,791	6,190	24,258
Frozen cakes and other pastries manufacturing	<1	11,528	20,551	32,518

Appendix

Poultry processing	<1	25,439	35,370	144,010
Animal, except poultry, slaughtering	<1	22,411	30,965	245,863
Meat processed from carcasses	<1	29,769	29,038	237,551
Rendering and meat byproduct processing	<1	1,165	1,157	5,821
Seafood product preparation and packaging	<1	218	320	1,626
Bread and bakery product, except frozen, manufacturing	<1	25,468	41,829	94,601
Cookie and cracker manufacturing	<1	6,450	11,328	38,281
Dry pasta, mixes, and dough manufacturing	<1	2,052	6,150	18,717
Tortilla manufacturing	<1	1,574	2,183	7,096
Roasted nuts and peanut butter manufacturing	<1	1,732	4,264	15,429
Other snack food manufacturing	<1	10,306	33,497	100,401
Coffee and tea manufacturing	<1	342	821	3,707
Flavoring syrup and concentrate manufacturing	<1	631	7,584	13,595
Mayonnaise, dressing, and sauce manufacturing	<1	236	592	2,228
Spice and extract manufacturing	<1	725	1,518	5,781
All other food manufacturing	<1	10,137	17,940	69,294
Bottled and canned soft drinks & water	<1	22,074	44,967	169,148
Manufactured ice	<1	1,130	939	3,859
Breweries	<1	6,975	20,454	72,139
Wineries	<1	4,468	8,917	42,587
Distilleries	<1	8,058	44,432	91,800
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	387	512	2,152
Broadwoven fabric mills	<1	282	395	2,081
Narrow fabric mills and schiffli machine embroidery	<1	12	13	46
Nonwoven fabric mills	<1	3,018	4,315	21,679
Knit fabric mills	<1	46	54	196
Textile and fabric finishing mills	<1	90	107	513
Fabric coating mills	<1	767	900	4,660
Carpet and rug mills	<1	1,105	1,528	5,803
Curtain and linen mills	<1	1,630	1,930	7,288
Textile bag and canvas mills	<1	3,782	4,219	12,428
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,062	1,377	4,381
Other textile product mills	<1	2,621	2,963	9,198
Hosiery and sock mills	<1	295	342	870

Appendix

Other apparel knitting mills	<1	172	223	421
Cut and sew apparel contractors	<1	939	1,033	2,410
Mens and boys cut and sew apparel manufacturing	<1	590	692	1,897
Womens and girls cut and sew apparel manufacturing	<1	184	258	923
Other cut and sew apparel manufacturing	<1	397	517	1,742
Apparel accessories and other apparel manufacturing	<1	300	387	1,145
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	313	339	852
Other leather and allied product manufacturing	<1	659	690	1,655
Sawmills	<1	5,152	6,964	29,685
Wood preservation	<1	636	1,301	5,218
Veneer and plywood manufacturing	<1	5,128	6,888	24,969
Engineered wood member and truss manufacturing	<1	3,315	4,336	12,946
Reconstituted wood product manufacturing	<1	204	380	1,634
Wood windows and door manufacturing	<1	10,115	12,537	38,200
Cut stock, resawing lumber, and planing	<1	3,271	4,761	14,748
Other millwork, including flooring	<1	5,896	8,052	23,344
Wood container and pallet manufacturing	<1	9,116	11,110	31,438
Manufactured home (mobile home) manufacturing	<1	79	92	218
Prefabricated wood building manufacturing	<1	1,132	1,393	3,820
All other miscellaneous wood product manufacturing	<1	4,087	5,237	16,721
Pulp mills	<1	603	797	3,256
Paper mills	<1	11,869	20,673	79,834
Paperboard mills	<1	5,633	10,447	48,836
Paperboard container manufacturing	<1	28,928	39,376	182,804
Paper bag and coated and treated paper manufacturing	<1	18,188	28,245	105,941
Stationery product manufacturing	<1	2,607	3,540	15,904
Sanitary paper product manufacturing	<1	5,360	11,986	42,684
All other converted paper product manufacturing	<1	2,896	3,805	13,027

Appendix

Printing	3	181,308	288,352	588,389
Support activities for printing	<1	6,011	8,859	15,193
Petroleum refineries	<1	46,059	387,965	1,355,039
Asphalt paving mixture and block manufacturing	<1	3,815	6,375	16,857
Asphalt shingle and coating materials manufacturing	<1	2,223	9,578	21,547
Petroleum lubricating oil and grease manufacturing	<1	4,473	18,697	45,116
All other petroleum and coal products manufacturing	<1	1,433	6,755	15,366
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	8,923	22,640	57,122
Synthetic dye and pigment manufacturing	<1	1,167	2,798	8,421
Other basic inorganic chemical manufacturing	<1	2,685	7,287	23,056
Other basic organic chemical manufacturing	<1	6,791	16,452	134,288
Plastics material and resin manufacturing	<1	12,300	23,443	133,938
Synthetic rubber manufacturing	<1	602	1,059	6,523
Artificial and synthetic fibers and filaments manufacturing	<1	108	180	935
Nitrogenous fertilizer manufacturing	<1	540	1,604	4,212
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	796	1,905	6,142
Pesticide and other agricultural chemical manufacturing	<1	9,237	33,453	102,889
Medicinal and botanical manufacturing	<1	216	424	1,921
Pharmaceutical preparation manufacturing	<1	176,316	740,659	1,504,410
In-vitro diagnostic substance manufacturing	<1	18,959	31,238	60,723
Biological product (except diagnostic) manufacturing	<1	466	1,158	2,739
Paint and coating manufacturing	<1	2,904	6,803	27,260
Adhesive manufacturing	<1	2,188	4,143	18,071
Soap and other detergent manufacturing	<1	3,855	15,294	44,463
Polish and other sanitation good manufacturing	<1	5,123	8,977	25,969
Surface active agent manufacturing	<1	97	408	1,235
Toilet preparation manufacturing	<1	4,264	17,643	51,709
Printing ink manufacturing	<1	408	452	1,897

Appendix

Explosives manufacturing	<1	114	135	435
Custom compounding of purchased resins	<1	5,581	11,818	36,333
Photographic film and chemical manufacturing	<1	268	738	2,715
Other miscellaneous chemical product manufacturing	<1	20,541	40,192	173,811
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	12,815	19,793	76,343
Unlaminated plastics profile shape manufacturing	<1	4,740	9,491	33,421
Plastics pipe and pipe fitting manufacturing	<1	12,122	29,456	109,704
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2,451	4,235	15,835
Polystyrene foam product manufacturing	<1	2,964	4,705	17,061
Urethane and other foam product (except polystyrene) manufacturing	<1	8,636	13,157	56,018
Plastics bottle manufacturing	<1	2,138	3,254	16,543
Other plastics product manufacturing	2	84,633	117,364	410,701
Tire manufacturing	<1	14,975	21,534	93,907
Rubber and plastics hoses and belting manufacturing	<1	1,901	2,704	9,760
Other rubber product manufacturing	<1	14,663	19,870	76,307
Pottery, ceramics, and plumbing fixture manufacturing	<1	121	181	669
Brick, tile, and other structural clay product manufacturing	<1	2,515	4,430	9,453
Flat glass manufacturing	<1	290	621	1,862
Other pressed and blown glass and glassware manufacturing	<1	35	64	190
Glass container manufacturing	<1	4,311	7,119	17,495
Glass product manufacturing made of purchased glass	<1	10,340	18,122	45,304
Cement manufacturing	<1	2,449	6,061	16,013
Ready-mix concrete manufacturing	<1	11,763	20,382	63,249
Concrete block and brick manufacturing	<1	2,168	4,032	9,961
Concrete pipe manufacturing	<1	572	987	2,537
Other concrete product manufacturing	<1	4,139	5,902	14,523
Lime manufacturing	<1	154	377	928
Gypsum product manufacturing	<1	3,328	9,113	22,755

Appendix

Abrasive product manufacturing	<1	1,838	5,137	8,980
Cut stone and stone product manufacturing	<1	48,526	58,374	128,724
Ground or treated mineral and earth manufacturing	<1	2,723	7,472	14,712
Mineral wool manufacturing	<1	2,907	6,962	15,575
Miscellaneous nonmetallic mineral products manufacturing	<1	489	1,428	3,346
Iron and steel mills and ferroalloy manufacturing	<1	56,740	133,133	547,247
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,796	3,926	16,102
Rolled steel shape manufacturing	<1	4,697	13,455	45,691
Steel wire drawing	<1	2,503	4,577	18,764
Alumina refining and primary aluminum production	<1	1,223	2,250	12,255
Secondary smelting and alloying of aluminum	<1	1,642	3,483	24,452
Aluminum sheet, plate, and foil manufacturing	<1	22,968	59,022	199,056
Other aluminum rolling, drawing and extruding	<1	6,019	10,001	42,613
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	10,078	18,603	131,436
Nonferrous metal, except copper and aluminum, shaping	<1	2,660	3,606	11,881
Secondary processing of other nonferrous metals	<1	810	1,972	8,911
Ferrous metal foundries	<1	9,274	17,046	39,835
Nonferrous metal foundries	<1	12,610	21,328	45,466
Custom roll forming	<1	225	437	2,292
Crown and closure manufacturing and metal stamping	<1	7,985	10,828	28,478
Iron and steel forging	<1	3,252	6,008	19,506
Nonferrous forging	<1	290	468	1,485
Cutlery, utensil, pot, and pan manufacturing	<1	1,114	3,680	9,475
Handtool manufacturing	<1	1,363	2,518	5,579
Prefabricated metal buildings and components manufacturing	<1	1,779	2,768	6,802
Fabricated structural metal manufacturing	<1	10,983	17,897	48,391
Plate work manufacturing	<1	2,500	2,807	8,818
Metal window and door manufacturing	<1	7,495	11,133	27,945
Sheet metal work manufacturing	<1	7,491	10,764	27,334

Appendix

Ornamental and architectural metal work manufacturing	<1	2,996	4,206	10,328
Power boiler and heat exchanger manufacturing	<1	44	70	190
Metal tank (heavy gauge) manufacturing	<1	1,753	2,387	5,969
Metal cans manufacturing	<1	668	1,792	5,840
Metal barrels, drums and pails manufacturing	<1	613	811	3,618
Hardware manufacturing	<1	12,519	22,011	46,597
Spring and wire product manufacturing	<1	3,783	5,667	15,986
Machine shops	<1	30,249	39,447	79,204
Turned product and screw, nut, and bolt manufacturing	<1	8,472	13,899	35,810
Metal heat treating	<1	3,161	5,095	11,033
Metal coating and nonprecious engraving	<1	7,335	14,940	32,270
Electroplating, anodizing, and coloring metal	<1	4,245	5,041	11,478
Valve and fittings, other than plumbing, manufacturing	<1	1,911	3,415	8,371
Plumbing fixture fitting and trim manufacturing	<1	2,777	9,440	26,229
Ball and roller bearing manufacturing	<1	5,668	11,937	28,037
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	502	1,094	2,719
Fabricated pipe and pipe fitting manufacturing	<1	2,942	3,911	10,673
Other fabricated metal manufacturing	3	190,108	270,229	691,566
Farm machinery and equipment manufacturing	<1	1,397	2,280	9,496
Lawn and garden equipment manufacturing	<1	603	1,014	5,461
Construction machinery manufacturing	<1	541	1,121	3,666
Mining machinery and equipment manufacturing	<1	42	64	205
Oil and gas field machinery and equipment manufacturing	<1	123	192	682
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	41	47	123

Appendix

Sawmill, woodworking, and paper machinery	<1	793	875	2,748
Printing machinery and equipment manufacturing	<1	75	83	290
All other industrial machinery manufacturing	<1	91	113	338
Optical instrument and lens manufacturing	<1	11	15	57
Photographic and photocopying equipment manufacturing	<1	690	896	4,097
Other commercial service industry machinery manufacturing	<1	346	539	1,752
Air purification and ventilation equipment manufacturing	<1	1,346	1,792	5,458
Heating equipment (except warm air furnaces) manufacturing	<1	2,226	3,208	9,284
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	6,602	11,246	32,617
Industrial mold manufacturing	<1	1,352	1,544	3,444
Special tool, die, jig, and fixture manufacturing	<1	1,508	1,903	3,981
Cutting tool and machine tool accessory manufacturing	<1	893	990	2,285
Machine tool manufacturing	<1	140	172	569
Rolling mill and other metalworking machinery manufacturing	<1	144	167	402
Turbine and turbine generator set units manufacturing	<1	10	12	58
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,173	7,435	21,876
Mechanical power transmission equipment manufacturing	<1	2,135	3,229	7,973
Other engine equipment manufacturing	<1	73,688	143,674	516,644
Pump and pumping equipment manufacturing	<1	267	443	1,571
Air and gas compressor manufacturing	<1	113	199	782
Elevator and moving stairway manufacturing	<1	299	407	1,547
Conveyor and conveying equipment manufacturing	<1	328	364	1,143
Overhead cranes, hoists, and monorail systems manufacturing	<1	28	48	190
Industrial truck, trailer, and stacker manufacturing	<1	1,598	2,461	8,874

Appendix

Power-driven handtool manufacturing	<1	13	30	109
Welding and soldering equipment manufacturing	<1	169	232	714
Packaging machinery manufacturing	<1	46	63	189
Industrial process furnace and oven manufacturing	<1	89	102	243
Fluid power cylinder and actuator manufacturing	<1	2,135	2,902	8,557
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	552	661	2,212
Electronic computer manufacturing	<1	53	143	993
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	21,498	42,411	118,885
Telephone apparatus manufacturing	<1	223	398	1,201
Broadcast and wireless communications equipment manufacturing	<1	479	843	1,869
Other communications equipment manufacturing	<1	114	223	701
Audio and video equipment manufacturing	<1	45	87	206
Printed circuit assembly (electronic assembly) manufacturing	<1	1,939	4,137	14,191
Bare printed circuit board manufacturing	<1	48	69	162
Semiconductor and related device manufacturing	<1	81	160	402
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,110	1,737	3,864
Electronic connector manufacturing	<1	20,826	35,944	83,029
Other electronic component manufacturing	<1	624	936	3,054
Electromedical and electrotherapeutic apparatus manufacturing	<1	63	144	299
Search, detection, and navigation instruments manufacturing	<1	52	108	223
Automatic environmental control manufacturing	<1	3,190	4,688	11,794

Appendix

Industrial process variable instruments manufacturing	<1	942	1,704	4,023
Totalizing fluid meter and counting device manufacturing	<1	41	108	319
Electricity and signal testing instruments manufacturing	<1	117	214	591
Analytical laboratory instrument manufacturing	<1	14,609	29,428	53,987
Irradiation apparatus manufacturing	<1	12	29	84
Watch, clock, and other measuring and controlling device manufacturing	<1	653	1,456	3,573
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1,441	2,342	5,705
Electric lamp bulb and part manufacturing	<1	3,855	7,361	16,711
Lighting fixture manufacturing	<1	8,255	11,941	32,766
Small electrical appliance manufacturing	<1	474	1,009	3,772
Household cooking appliance manufacturing	<1	226	486	1,961
Household refrigerator and home freezer manufacturing	<1	246	546	2,118
Household laundry equipment manufacturing	<1	559	973	5,010
Other major household appliance manufacturing	<1	99	234	842
Power, distribution, and specialty transformer manufacturing	<1	16	23	66
Motor and generator manufacturing	<1	2,618	4,403	14,319
Switchgear and switchboard apparatus manufacturing	<1	682	1,134	3,046
Relay and industrial control manufacturing	<1	1,011	1,382	4,248
Storage battery manufacturing	<1	2,506	3,499	9,848
Primary battery manufacturing	<1	9,255	10,102	36,006
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	642	969	3,889
Wiring device manufacturing	<1	1,303	2,373	6,684
Carbon and graphite product manufacturing	<1	244	406	1,369
All other miscellaneous electrical equipment and component manufacturing	<1	91	108	488
Automobile manufacturing	<1	14,547	61,887	192,077

Appendix

Light truck and utility vehicle manufacturing	<1	9,760	22,613	199,037
Heavy duty truck manufacturing	<1	352	1,037	5,237
Motor vehicle body manufacturing	<1	911	1,314	4,752
Truck trailer manufacturing	<1	123	165	658
Motor home manufacturing	<1	20,743	33,600	111,336
Travel trailer and camper manufacturing	<1	38,234	42,809	138,635
Motor vehicle gasoline engine and engine parts manufacturing	<1	11,157	18,268	100,032
Motor vehicle electrical and electronic equipment manufacturing	<1	23,671	31,425	124,499
Motor vehicle transmission and power train parts manufacturing	3	298,975	498,806	1,786,848
Motor vehicle seating and interior trim manufacturing	<1	6,885	8,358	45,727
Motor vehicle metal stamping	<1	22,052	28,271	96,346
Other motor vehicle parts manufacturing	<1	40,235	58,240	265,116
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	21,056	37,588	143,497
Aircraft manufacturing	<1	2	5	22
Aircraft engine and engine parts manufacturing	<1	5,420	13,313	25,005
Other aircraft parts and auxiliary equipment manufacturing	<1	202	301	684
Guided missile and space vehicle manufacturing	<1	2	3	7
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	355	433	2,000
Ship building and repairing	<1	1,246	1,560	3,182
Boat building	<1	14,907	20,789	66,793
Motorcycle, bicycle, and parts manufacturing	<1	1,033	3,458	8,675
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,332	4,539	20,459
Wood kitchen cabinet and countertop manufacturing	<1	22,414	31,975	69,176
Upholstered household furniture manufacturing	<1	6,398	7,348	23,800

Appendix

Nonupholstered wood household furniture manufacturing	<1	3,180	3,863	10,318
Other household nonupholstered furniture manufacturing	<1	3,272	5,372	16,399
Institutional furniture manufacturing	<1	191	213	663
Wood office furniture manufacturing	<1	7,787	11,217	31,418
Custom architectural woodwork and millwork	<1	78	75	236
Office furniture, except wood, manufacturing	<1	18,673	33,306	100,521
Showcase, partition, shelving, and locker manufacturing	<1	1,525	2,290	6,383
Mattress manufacturing	<1	1,935	3,768	12,674
Blind and shade manufacturing	<1	719	765	3,012
Surgical and medical instrument manufacturing	<1	10,586	18,534	45,653
Surgical appliance and supplies manufacturing	<1	40,625	75,102	147,805
Dental equipment and supplies manufacturing	<1	220	350	895
Ophthalmic goods manufacturing	<1	657	1,207	2,672
Dental laboratories	<1	2,490	2,565	4,749
Jewelry and silverware manufacturing	<1	3,099	4,215	10,013
Sporting and athletic goods manufacturing	<1	1,660	2,258	7,467
Doll, toy, and game manufacturing	<1	1,381	2,141	8,122
Office supplies (except paper) manufacturing	<1	2,162	3,038	8,876
Sign manufacturing	<1	7,306	6,486	16,272
Gasket, packing, and sealing device manufacturing	<1	7,877	9,581	22,106
Musical instrument manufacturing	<1	1,352	1,439	3,380
Fasteners, buttons, needles, and pins manufacturing	<1	1,063	1,373	3,214
Broom, brush, and mop manufacturing	<1	1,323	1,891	5,354
Burial casket manufacturing	<1	2,328	2,849	5,711
All other miscellaneous manufacturing	<1	18,392	23,746	67,458
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	44,745	87,875	202,379
Wholesale - Professional and commercial equipment and supplies	2	244,306	358,419	635,818

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	65,423	135,264	319,107
Wholesale - Machinery, equipment, and supplies	1	96,603	162,999	294,513
Wholesale - Other durable goods merchant wholesalers	2	139,325	216,656	431,977
Wholesale - Drugs and druggists' sundries	<1	96,266	297,672	500,730
Wholesale - Grocery and related product wholesalers	2	135,454	176,345	362,928
Wholesale - Petroleum and petroleum products	<1	47,039	369,172	452,502
Wholesale - Other nondurable goods merchant wholesalers	3	273,400	489,697	953,928
Wholesale - Wholesale electronic markets and agents and brokers	2	214,789	221,015	260,489
Retail - Motor vehicle and parts dealers	4	194,258	297,515	454,606
Retail - Furniture and home furnishings stores	2	94,748	124,581	210,329
Retail - Electronics and appliance stores	2	96,451	91,597	170,576
Retail - Building material and garden equipment and supplies stores	3	120,260	209,932	323,674
Retail - Food and beverage stores	8	213,722	289,272	518,351
Retail - Health and personal care stores	5	208,290	254,101	400,499
Retail - Gasoline stores	3	100,075	165,177	331,905
Retail - Clothing and clothing accessories stores	4	242,624	289,590	475,746
Retail - Sporting goods, hobby, musical instrument and book stores	3	69,579	95,407	169,301
Retail - General merchandise stores	11	313,869	449,159	778,612
Retail - Miscellaneous store retailers	7	147,558	179,744	321,157
Retail - Nonstore retailers	8	214,356	665,893	1,322,902
Air transportation	1	106,762	219,029	421,117
Rail transportation	<1	56,323	137,919	232,833
Water transportation	<1	28,582	38,804	148,272
Truck transportation	6	431,950	532,267	1,004,139
Transit and ground passenger transportation	9	122,127	152,142	245,273
Pipeline transportation	<1	45,239	67,544	79,040
Scenic and sightseeing transportation and support activities for transportation	4	257,299	280,529	612,013

Appendix

Couriers and messengers	5	182,330	232,504	393,473
Warehousing and storage	6	273,562	307,800	563,617
Newspaper publishers	1	55,642	97,748	127,803
Periodical publishers	<1	11,453	18,639	32,255
Book publishers	<1	36,218	115,774	208,162
Directory, mailing list, and other publishers	<1	24,924	71,811	109,570
Greeting card publishing	<1	931	2,648	3,534
Software publishers	1	161,032	369,093	417,754
Motion picture and video industries	1	40,718	74,396	230,856
Sound recording industries	<1	7,828	39,261	76,013
Radio and television broadcasting	2	189,565	219,583	647,121
Cable and other subscription programming	<1	1,762	7,149	28,900
Wired telecommunications carriers	1	115,605	214,837	463,583
Wireless telecommunications carriers (except satellite)	<1	82,559	396,674	1,166,426
Satellite, telecommunications resellers, and all other telecommunications	<1	31,409	42,406	126,100
Data processing, hosting, and related services	2	146,137	240,099	831,393
News syndicates, libraries, archives and all other information services	<1	10,244	14,375	43,304
Internet publishing and broadcasting and web search portals	1	140,382	286,460	1,167,991
Nondepository credit intermediation and related activities	3	295,973	354,689	639,257
Securities and commodity contracts intermediation and brokerage	6	395,937	376,413	780,147
Monetary authorities and depository credit intermediation	11	887,708	1,824,377	3,832,309
Other financial investment activities	3	179,176	240,675	680,554
Direct life insurance carriers	1	116,510	327,348	417,403
Insurance carriers, except direct life	3	278,138	1,562,362	2,511,081
Insurance agencies, brokerages, and related activities	8	574,923	1,306,539	2,548,657
Funds, trusts, and other financial vehicles	2	101,936	161,894	525,999
Other real estate	44	2,863,975	4,732,143	9,959,506
Tenant-occupied housing	4	248,869	1,094,420	1,265,154

Appendix

Owner-occupied dwellings	0	0	3,907,803	4,960,784
Automotive equipment rental and leasing	2	87,918	345,288	485,188
General and consumer goods rental except video tapes and discs	2	72,738	101,982	189,626
Video tape and disc rental	<1	17,928	31,069	49,715
Commercial and industrial machinery and equipment rental and leasing	1	84,052	260,308	369,860
Lessors of nonfinancial intangible assets	<1	8,064	222,643	263,386
Legal services	12	946,390	1,633,296	2,329,362
Accounting, tax preparation, bookkeeping, and payroll services	9	626,678	892,854	1,285,611
Architectural, engineering, and related services	7	564,504	675,511	1,179,335
Specialized design services	<1	52,492	112,061	157,879
Custom computer programming services	3	250,380	258,797	372,934
Computer systems design services	4	345,664	305,079	406,882
Other computer related services, including facilities management	2	132,456	151,321	323,651
Management consulting services	160	12,482,640	14,145,268	22,819,678
Environmental and other technical consulting services	3	222,270	253,130	374,323
Scientific research and development services	246	19,267,550	40,701,493	67,198,495
Advertising, public relations, and related services	4	232,972	379,644	705,201
Photographic services	<1	15,866	61,026	97,065
Veterinary services	1	61,788	84,882	129,525
Marketing research and all other miscellaneous professional, scientific, and technical services	2	191,351	381,426	652,215
Management of companies and enterprises	15	1,696,381	1,957,860	3,284,596
Office administrative services	4	272,414	68,132	235,497
Facilities support services	2	93,258	125,806	263,267
Employment services	51	1,872,888	2,506,751	3,997,523
Business support services	10	438,490	342,709	637,542
Travel arrangement and reservation services	2	101,181	122,807	290,693
Investigation and security services	5	195,284	186,781	280,074
Services to buildings	7	216,290	274,441	543,625
Landscape and horticultural services	12	478,525	554,048	999,687

Appendix

Other support services	4	164,243	199,581	400,910
Waste management and remediation services	2	145,070	303,858	527,390
Elementary and secondary schools	4	160,586	136,553	165,222
Junior colleges, colleges, universities, and professional schools	30	1,214,309	1,658,453	2,275,069
Other educational services	4	124,838	140,108	290,381
Offices of physicians	14	1,714,101	1,782,425	2,402,972
Offices of dentists	4	315,361	387,972	539,922
Offices of other health practitioners	5	256,011	361,263	487,865
Outpatient care centers	5	327,298	298,847	514,232
Medical and diagnostic laboratories	1	122,827	172,016	242,329
Home health care services	6	267,873	255,901	330,705
Other ambulatory health care services	2	89,588	98,917	163,614
Hospitals	29	2,269,569	2,632,301	5,231,947
Nursing and community care facilities	10	403,026	455,639	791,268
Residential mental retardation, mental health, substance abuse and other facilities	3	129,345	140,952	222,262
Individual and family services	11	319,258	281,947	419,695
Child day care services	4	96,539	144,798	198,893
Community food, housing, and other relief services, including rehabilitation services	3	103,797	102,725	245,757
Performing arts companies	1	23,089	53,901	84,486
Commercial Sports Except Racing	4	135,820	162,500	232,559
Racing and Track Operation	<1	7,445	22,890	32,165
Independent artists, writers, and performers	<1	15,148	115,856	137,783
Promoters of performing arts and sports and agents for public figures	1	23,928	90,111	138,300
Museums, historical sites, zoos, and parks	<1	16,920	30,185	50,273
Amusement parks and arcades	<1	5,641	16,680	24,111
Gambling industries (except casino hotels)	3	94,796	277,311	411,758
Other amusement and recreation industries	2	44,802	63,834	123,728
Fitness and recreational sports centers	2	29,319	47,065	84,418
Bowling centers	<1	8,015	14,449	27,600

Appendix

Hotels and motels, including casino hotels	2	80,864	176,126	260,714
Other accommodations	<1	26,718	39,429	53,548
Full-service restaurants	27	588,180	900,259	1,646,257
Limited-service restaurants	20	365,664	625,173	1,440,208
All other food and drinking places	18	481,483	716,105	1,118,782
Automotive repair and maintenance, except car washes	8	416,283	471,044	719,994
Car washes	4	199,379	304,776	478,686
Electronic and precision equipment repair and maintenance	2	135,425	163,313	278,756
Commercial and industrial machinery and equipment repair and maintenance	4	307,716	295,368	454,153
Personal and household goods repair and maintenance	1	50,869	95,578	138,185
Personal care services	5	157,289	141,708	190,719
Death care services	1	38,926	27,220	39,366
Dry-cleaning and laundry services	3	102,293	67,622	90,677
Other personal services	3	93,974	117,437	174,234
Religious organizations	12	499,709	288,450	986,706
Grantmaking, giving, and social advocacy organizations	1	78,926	272,114	409,929
Business and professional associations	1	76,538	138,663	243,567
Labor and civic organizations	3	74,248	227,163	431,746
Private households	3	42,975	42,968	42,968
Postal service	3	294,094	294,167	313,483
Federal electric utilities	0	0	0	0
Other federal government enterprises	6	360,536	-1,930,703	323,819
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	2	94,892	87,028	205,782
Local government electric utilities	<1	5,456	22,345	36,914
Other local government enterprises	2	155,837	479,278	804,191
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	17	1,959,373	3,534,061	8,084,970

Moon to Mars Campaign

Table 668: Detailed M2M Campaign Impacts by Types of Impact, Indiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>15</i>	<i>1,110,680</i>	<i>1,964,240</i>	<i>3,619,351</i>
Oilseed farming	<1	1,700	5,260	15,739
Grain farming	<1	1,079	751	7,022
Vegetable and melon farming	<1	126	179	453
Fruit farming	<1	17	25	51
Tree nut farming	<1	1	2	4
Greenhouse, nursery, and floriculture production	<1	95	117	253
Tobacco farming	<1	4	4	8
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	54	64	148
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	107	175	756
Dairy cattle and milk production	<1	111	170	1,151
Poultry and egg production	<1	91	141	1,442
Animal production, except cattle and poultry and eggs	<1	944	1,979	4,407
Forestry, forest products, and timber tract production	<1	42	40	48
Commercial logging	<1	130	102	140
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	-11	18
Support activities for agriculture and forestry	<1	972	602	734
Oil and gas extraction	<1	79	30	1,448

Appendix

Coal mining	<1	337	621	1,159
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	3	6	11
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	149	315	636
Sand and gravel mining	<1	92	146	287
Other clay, ceramic, refractory minerals mining	<1	3	4	10
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	30	45	90
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	<1	<1	11
Other nonmetallic minerals services	<1	<1	<1	6
Electric power generation - Hydroelectric	<1	6	18	41
Electric power generation - Fossil fuel	<1	1,754	6,451	16,003
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3	14	36
Electric power generation - Wind	<1	21	177	343
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2	9	21
Electric power generation - All other	<1	2	1	2
Electric power transmission and distribution	<1	2,706	9,729	23,604
Natural gas distribution	<1	732	2,102	4,460
Water, sewage and other systems	<1	218	438	786
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	2,982	4,215	9,792
Maintenance and repair construction of residential structures	<1	1,337	1,873	4,378
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	5	12
Dog and cat food manufacturing	<1	56	238	766
Other animal food manufacturing	<1	166	340	2,284
Flour milling	<1	54	133	720
Rice milling	<1	9	17	95
Malt manufacturing	0	0	0	0
Wet corn milling	<1	362	1,397	5,276
Soybean and other oilseed processing	<1	45	356	1,909
Fats and oils refining and blending	<1	25	66	438
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	80	147	514
Chocolate and confectionery manufacturing from cacao beans	<1	<1	<1	2
Confectionery manufacturing from purchased chocolate	<1	38	63	316
Frozen fruits, juices and vegetables manufacturing	<1	<1	2	6
Frozen specialties manufacturing	<1	75	124	465
Canned fruits and vegetables manufacturing	<1	99	268	786

Appendix

Canned specialties	<1	86	294	962
Dehydrated food products manufacturing	<1	27	63	201
Cheese manufacturing	<1	82	137	912
Dry, condensed, and evaporated dairy product manufacturing	<1	102	343	1,140
Fluid milk manufacturing	<1	175	354	1,769
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	44	74	267
Frozen cakes and other pastries manufacturing	<1	177	314	491
Poultry processing	<1	301	433	1,708
Animal, except poultry, slaughtering	<1	241	338	2,648
Meat processed from carcasses	<1	459	453	3,671
Rendering and meat byproduct processing	<1	19	19	95
Seafood product preparation and packaging	<1	3	4	19
Bread and bakery product, except frozen, manufacturing	<1	378	624	1,398
Cookie and cracker manufacturing	<1	111	207	641
Dry pasta, mixes, and dough manufacturing	<1	30	90	285
Tortilla manufacturing	<1	23	32	102
Roasted nuts and peanut butter manufacturing	<1	29	74	250
Other snack food manufacturing	<1	158	523	1,528
Coffee and tea manufacturing	<1	4	10	44
Flavoring syrup and concentrate manufacturing	<1	11	135	241
Mayonnaise, dressing, and sauce manufacturing	<1	3	8	29
Spice and extract manufacturing	<1	13	27	96
All other food manufacturing	<1	166	295	1,102
Bottled and canned soft drinks & water	<1	311	651	2,380
Manufactured ice	<1	17	15	55
Breweries	<1	90	277	951
Wineries	<1	88	178	814
Distilleries	<1	119	677	1,333
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	4	6	22
Broadwoven fabric mills	<1	3	5	25
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1

Appendix

Nonwoven fabric mills	<1	55	83	383
Knit fabric mills	<1	<1	1	4
Textile and fabric finishing mills	<1	2	2	10
Fabric coating mills	<1	13	15	76
Carpet and rug mills	<1	15	24	77
Curtain and linen mills	<1	28	34	124
Textile bag and canvas mills	<1	53	60	172
Rope, cordage, twine, tire cord and tire fabric mills	<1	10	14	42
Other textile product mills	<1	38	44	130
Hosiery and sock mills	<1	4	5	12
Other apparel knitting mills	<1	3	4	7
Cut and sew apparel contractors	<1	13	14	32
Mens and boys cut and sew apparel manufacturing	<1	11	13	33
Womens and girls cut and sew apparel manufacturing	<1	4	6	20
Other cut and sew apparel manufacturing	<1	8	10	33
Apparel accessories and other apparel manufacturing	<1	6	7	21
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	5	6	13
Other leather and allied product manufacturing	<1	13	13	31
Sawmills	<1	65	89	382
Wood preservation	<1	8	16	63
Veneer and plywood manufacturing	<1	80	106	391
Engineered wood member and truss manufacturing	<1	69	89	267
Reconstituted wood product manufacturing	<1	4	7	29
Wood windows and door manufacturing	<1	115	144	433
Cut stock, resawing lumber, and planing	<1	46	67	206
Other millwork, including flooring	<1	76	104	292
Wood container and pallet manufacturing	<1	143	176	487
Manufactured home (mobile home) manufacturing	<1	<1	1	3
Prefabricated wood building manufacturing	<1	14	17	47
All other miscellaneous wood product manufacturing	<1	129	166	509
Pulp mills	<1	5	6	26

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Paper mills	<1	120	195	803
Paperboard mills	<1	54	98	469
Paperboard container manufacturing	<1	379	516	2,380
Paper bag and coated and treated paper manufacturing	<1	245	364	1,378
Stationery product manufacturing	<1	38	51	222
Sanitary paper product manufacturing	<1	77	160	598
All other converted paper product manufacturing	<1	36	47	167
Printing	<1	2,283	3,700	7,197
Support activities for printing	<1	87	128	217
Petroleum refineries	<1	535	4,415	15,406
Asphalt paving mixture and block manufacturing	<1	55	92	236
Asphalt shingle and coating materials manufacturing	<1	28	120	266
Petroleum lubricating oil and grease manufacturing	<1	72	303	712
All other petroleum and coal products manufacturing	<1	14	63	142
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	165	425	1,052
Synthetic dye and pigment manufacturing	<1	21	53	162
Other basic inorganic chemical manufacturing	<1	37	107	324
Other basic organic chemical manufacturing	<1	90	218	1,831
Plastics material and resin manufacturing	<1	159	306	1,775
Synthetic rubber manufacturing	<1	8	15	92
Artificial and synthetic fibers and filaments manufacturing	<1	4	6	30
Nitrogenous fertilizer manufacturing	<1	8	25	60
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	9	22	68
Pesticide and other agricultural chemical manufacturing	<1	108	395	1,242
Medicinal and botanical manufacturing	<1	4	9	37
Pharmaceutical preparation manufacturing	<1	3,582	15,750	30,425
In-vitro diagnostic substance manufacturing	<1	539	899	1,746

Appendix

Biological product (except diagnostic) manufacturing	<1	12	32	71
Paint and coating manufacturing	<1	33	80	317
Adhesive manufacturing	<1	36	73	298
Soap and other detergent manufacturing	<1	59	260	643
Polish and other sanitation good manufacturing	<1	85	156	419
Surface active agent manufacturing	<1	1	6	16
Toilet preparation manufacturing	<1	81	352	986
Printing ink manufacturing	<1	7	7	30
Explosives manufacturing	<1	1	2	6
Custom compounding of purchased resins	<1	82	176	529
Photographic film and chemical manufacturing	<1	3	8	29
Other miscellaneous chemical product manufacturing	<1	32	67	293
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	174	270	1,015
Unlaminated plastics profile shape manufacturing	<1	54	107	367
Plastics pipe and pipe fitting manufacturing	<1	16	40	147
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	29	51	188
Polystyrene foam product manufacturing	<1	38	61	223
Urethane and other foam product (except polystyrene) manufacturing	<1	122	186	785
Plastics bottle manufacturing	<1	35	53	261
Other plastics product manufacturing	<1	1,149	1,607	5,433
Tire manufacturing	<1	171	249	1,110
Rubber and plastics hoses and belting manufacturing	<1	23	32	118
Other rubber product manufacturing	<1	239	324	1,267
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	2	9
Brick, tile, and other structural clay product manufacturing	<1	30	52	113
Flat glass manufacturing	<1	4	9	28
Other pressed and blown glass and glassware manufacturing	<1	<1	1	3
Glass container manufacturing	<1	62	99	249

Appendix

Glass product manufacturing made of purchased glass	<1	146	251	636
Cement manufacturing	<1	38	91	245
Ready-mix concrete manufacturing	<1	157	267	833
Concrete block and brick manufacturing	<1	207	365	943
Concrete pipe manufacturing	<1	7	13	33
Other concrete product manufacturing	<1	52	72	181
Lime manufacturing	<1	2	4	10
Gypsum product manufacturing	<1	281	727	1,872
Abrasive product manufacturing	<1	24	66	116
Cut stone and stone product manufacturing	<1	52	62	139
Ground or treated mineral and earth manufacturing	<1	49	134	264
Mineral wool manufacturing	<1	49	113	248
Miscellaneous nonmetallic mineral products manufacturing	<1	8	22	51
Iron and steel mills and ferroalloy manufacturing	<1	640	1,443	6,275
Iron, steel pipe and tube manufacturing from purchased steel	<1	23	48	198
Rolled steel shape manufacturing	<1	43	119	436
Steel wire drawing	<1	30	55	224
Alumina refining and primary aluminum production	<1	15	26	135
Secondary smelting and alloying of aluminum	<1	22	45	314
Aluminum sheet, plate, and foil manufacturing	<1	109	270	967
Other aluminum rolling, drawing and extruding	<1	49	79	338
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	114	209	1,414
Nonferrous metal, except copper and aluminum, shaping	<1	36	47	162
Secondary processing of other nonferrous metals	<1	12	25	123
Ferrous metal foundries	<1	112	203	489
Nonferrous metal foundries	<1	178	292	625
Custom roll forming	<1	4	7	38
Crown and closure manufacturing and metal stamping	<1	109	148	382
Iron and steel forging	<1	40	74	238

Appendix

Nonferrous forging	<1	4	6	19
Cutlery, utensil, pot, and pan manufacturing	<1	17	59	149
Handtool manufacturing	<1	25	45	98
Prefabricated metal buildings and components manufacturing	<1	29	42	109
Fabricated structural metal manufacturing	<1	537	850	2,318
Plate work manufacturing	<1	38	43	132
Metal window and door manufacturing	<1	125	184	460
Sheet metal work manufacturing	<1	88	126	317
Ornamental and architectural metal work manufacturing	<1	45	62	153
Power boiler and heat exchanger manufacturing	<1	1	2	5
Metal tank (heavy gauge) manufacturing	<1	53	71	173
Metal cans manufacturing	<1	11	28	91
Metal barrels, drums and pails manufacturing	<1	9	11	50
Hardware manufacturing	<1	176	306	645
Spring and wire product manufacturing	<1	79	114	324
Machine shops	<1	410	534	1,062
Turned product and screw, nut, and bolt manufacturing	<1	104	168	426
Metal heat treating	<1	58	92	200
Metal coating and nonprecious engraving	<1	115	231	501
Electroplating, anodizing, and coloring metal	<1	75	89	203
Valve and fittings, other than plumbing, manufacturing	<1	27	49	120
Plumbing fixture fitting and trim manufacturing	<1	41	137	376
Ball and roller bearing manufacturing	<1	76	157	355
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	9	20	46
Fabricated pipe and pipe fitting manufacturing	<1	38	50	140
Other fabricated metal manufacturing	<1	136	196	491
Farm machinery and equipment manufacturing	<1	20	33	134

Appendix

Lawn and garden equipment manufacturing	<1	11	19	93
Construction machinery manufacturing	<1	6	13	41
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	1	2	7
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	11	12	37
Printing machinery and equipment manufacturing	<1	1	1	4
All other industrial machinery manufacturing	<1	2	3	8
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	<1	12	15	69
Other commercial service industry machinery manufacturing	<1	6	10	31
Air purification and ventilation equipment manufacturing	<1	19	25	78
Heating equipment (except warm air furnaces) manufacturing	<1	33	50	132
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	84	147	408
Industrial mold manufacturing	<1	16	19	41
Special tool, die, jig, and fixture manufacturing	<1	25	32	66
Cutting tool and machine tool accessory manufacturing	<1	11	13	29
Machine tool manufacturing	<1	2	3	8
Rolling mill and other metalworking machinery manufacturing	<1	2	2	6
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	70	104	287
Mechanical power transmission equipment manufacturing	<1	31	48	116
Other engine equipment manufacturing	<1	1,543	3,173	9,834

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Pump and pumping equipment manufacturing	<1	4	7	25
Air and gas compressor manufacturing	<1	2	3	13
Elevator and moving stairway manufacturing	<1	4	6	23
Conveyor and conveying equipment manufacturing	<1	5	5	16
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	<1	24	37	131
Power-driven handtool manufacturing	<1	<1	1	4
Welding and soldering equipment manufacturing	<1	2	3	8
Packaging machinery manufacturing	<1	<1	1	4
Industrial process furnace and oven manufacturing	<1	1	1	3
Fluid power cylinder and actuator manufacturing	<1	27	37	111
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	9	11	36
Electronic computer manufacturing	<1	<1	3	17
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	1
Telephone apparatus manufacturing	<1	2	4	13
Broadcast and wireless communications equipment manufacturing	<1	8	15	32
Other communications equipment manufacturing	<1	2	3	10
Audio and video equipment manufacturing	<1	<1	2	4
Printed circuit assembly (electronic assembly) manufacturing	<1	32	68	231
Bare printed circuit board manufacturing	<1	<1	1	3
Semiconductor and related device manufacturing	<1	2	3	8

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	17	27	60
Electronic connector manufacturing	<1	377	651	1,519
Other electronic component manufacturing	<1	10	16	50
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	3	6
Search, detection, and navigation instruments manufacturing	<1	1	3	6
Automatic environmental control manufacturing	<1	59	87	222
Industrial process variable instruments manufacturing	<1	13	24	57
Totalizing fluid meter and counting device manufacturing	<1	<1	1	4
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	<1	<1	1	3
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	13	29	70
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	21	34	76
Electric lamp bulb and part manufacturing	<1	55	110	239
Lighting fixture manufacturing	<1	256	361	974
Small electrical appliance manufacturing	<1	9	19	69
Household cooking appliance manufacturing	<1	4	8	32
Household refrigerator and home freezer manufacturing	<1	4	9	34
Household laundry equipment manufacturing	<1	8	15	77
Other major household appliance manufacturing	<1	2	4	13
Power, distribution, and specialty transformer manufacturing	<1	<1	1	3
Motor and generator manufacturing	<1	33	54	181
Switchgear and switchboard apparatus manufacturing	<1	47	78	205

Appendix

Relay and industrial control manufacturing	<1	17	24	71
Storage battery manufacturing	<1	47	64	177
Primary battery manufacturing	<1	159	235	608
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	15	23	90
Wiring device manufacturing	<1	24	44	118
Carbon and graphite product manufacturing	<1	3	5	16
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	9
Automobile manufacturing	<1	195	814	2,501
Light truck and utility vehicle manufacturing	<1	113	272	2,336
Heavy duty truck manufacturing	<1	5	14	66
Motor vehicle body manufacturing	<1	11	16	57
Truck trailer manufacturing	<1	1	2	7
Motor home manufacturing	<1	249	408	1,293
Travel trailer and camper manufacturing	<1	418	469	1,512
Motor vehicle gasoline engine and engine parts manufacturing	<1	155	246	1,394
Motor vehicle electrical and electronic equipment manufacturing	<1	258	336	1,249
Motor vehicle transmission and power train parts manufacturing	<1	4,881	7,977	25,885
Motor vehicle seating and interior trim manufacturing	<1	76	95	502
Motor vehicle metal stamping	<1	222	288	965
Other motor vehicle parts manufacturing	<1	451	597	2,948
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	262	465	1,748
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	636	1,202	2,697
Other aircraft parts and auxiliary equipment manufacturing	<1	9	12	27
Guided missile and space vehicle manufacturing	<1	<1	<1	<1
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	3	4	16
Ship building and repairing	<1	20	26	52
Boat building	<1	195	270	872
Motorcycle, bicycle, and parts manufacturing	<1	20	67	165
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	39	78	346
Wood kitchen cabinet and countertop manufacturing	<1	270	362	798
Upholstered household furniture manufacturing	<1	129	149	480
Nonupholstered wood household furniture manufacturing	<1	48	56	150
Other household nonupholstered furniture manufacturing	<1	57	92	275
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	2	3	10
Custom architectural woodwork and millwork	<1	1	1	3
Office furniture, except wood, manufacturing	<1	2	4	12
Showcase, partition, shelving, and locker manufacturing	<1	15	21	59
Mattress manufacturing	<1	31	57	196
Blind and shade manufacturing	<1	10	11	44
Surgical and medical instrument manufacturing	<1	171	299	705
Surgical appliance and supplies manufacturing	<1	772	1,461	2,747
Dental equipment and supplies manufacturing	<1	4	6	16
Ophthalmic goods manufacturing	<1	12	22	48
Dental laboratories	<1	46	47	87
Jewelry and silverware manufacturing	<1	46	63	149
Sporting and athletic goods manufacturing	<1	25	34	108
Doll, toy, and game manufacturing	<1	21	35	127
Office supplies (except paper) manufacturing	<1	32	45	125
Sign manufacturing	<1	77	70	173
Gasket, packing, and sealing device manufacturing	<1	101	123	278

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Musical instrument manufacturing	<1	33	36	81
Fasteners, buttons, needles, and pins manufacturing	<1	19	25	59
Broom, brush, and mop manufacturing	<1	23	41	94
Burial casket manufacturing	<1	25	31	59
All other miscellaneous manufacturing	<1	15	20	58
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	653	1,298	2,983
Wholesale - Professional and commercial equipment and supplies	<1	3,198	4,687	8,265
Wholesale - Household appliances and electrical and electronic goods	<1	1,080	2,230	5,232
Wholesale - Machinery, equipment, and supplies	<1	1,340	2,261	4,078
Wholesale - Other durable goods merchant wholesalers	<1	1,935	3,023	6,003
Wholesale - Drugs and druggists' sundries	<1	1,530	4,734	7,821
Wholesale - Grocery and related product wholesalers	<1	1,830	2,382	4,882
Wholesale - Petroleum and petroleum products	<1	548	5,307	6,368
Wholesale - Other nondurable goods merchant wholesalers	<1	3,714	6,907	13,148
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,096	2,158	2,534
Retail - Motor vehicle and parts dealers	<1	2,874	4,404	6,688
Retail - Furniture and home furnishings stores	<1	1,465	1,927	3,223
Retail - Electronics and appliance stores	<1	1,478	1,425	2,606
Retail - Building material and garden equipment and supplies stores	<1	1,798	3,147	4,830
Retail - Food and beverage stores	<1	3,496	4,705	8,326
Retail - Health and personal care stores	<1	3,177	3,895	6,134
Retail - Gasoline stores	<1	1,558	2,495	4,874
Retail - Clothing and clothing accessories stores	<1	3,869	4,582	7,385
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,060	1,457	2,554
Retail - General merchandise stores	<1	4,635	6,669	11,551

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Retail - Miscellaneous store retailers	<1	2,304	2,803	4,908
Retail - Nonstore retailers	<1	3,214	10,606	20,795
Air transportation	<1	1,340	2,817	5,346
Rail transportation	<1	787	1,653	2,971
Water transportation	<1	502	689	2,536
Truck transportation	<1	6,015	7,376	13,906
Transit and ground passenger transportation	<1	1,461	1,799	2,822
Pipeline transportation	<1	380	621	743
Scenic and sightseeing transportation and support activities for transportation	<1	3,653	4,000	8,810
Couriers and messengers	<1	2,155	2,809	4,746
Warehousing and storage	<1	3,937	4,443	8,078
Newspaper publishers	<1	695	1,229	1,584
Periodical publishers	<1	159	261	431
Book publishers	<1	410	1,323	2,348
Directory, mailing list, and other publishers	<1	57	172	260
Greeting card publishing	<1	11	34	42
Software publishers	<1	18,224	41,811	46,986
Motion picture and video industries	<1	683	1,246	3,487
Sound recording industries	<1	104	531	978
Radio and television broadcasting	<1	3,078	3,392	8,186
Cable and other subscription programming	<1	41	116	397
Wired telecommunications carriers	<1	1,551	2,777	5,937
Wireless telecommunications carriers (except satellite)	<1	1,067	5,216	15,108
Satellite, telecommunications resellers, and all other telecommunications	<1	378	499	1,456
Data processing, hosting, and related services	<1	1,458	2,364	7,772
News syndicates, libraries, archives and all other information services	<1	101	146	417
Internet publishing and broadcasting and web search portals	<1	1,436	2,959	11,235
Nondepository credit intermediation and related activities	<1	3,964	4,764	8,311
Securities and commodity contracts intermediation and brokerage	<1	5,578	5,207	9,901

Appendix

Monetary authorities and depository credit intermediation	<1	9,459	19,491	40,460
Other financial investment activities	<1	3,228	4,231	10,702
Direct life insurance carriers	<1	1,556	4,567	5,665
Insurance carriers, except direct life	<1	3,844	22,789	34,945
Insurance agencies, brokerages, and related activities	<1	3,578	8,485	15,764
Funds, trusts, and other financial vehicles	<1	1,747	2,854	7,956
Other real estate	<1	43,438	69,003	135,931
Tenant-occupied housing	<1	4,133	18,713	21,232
Owner-occupied dwellings	0	0	65,498	83,147
Automotive equipment rental and leasing	<1	1,171	3,976	5,359
General and consumer goods rental except video tapes and discs	<1	1,016	1,354	2,407
Video tape and disc rental	<1	277	475	758
Commercial and industrial machinery and equipment rental and leasing	<1	774	2,220	3,099
Lessors of nonfinancial intangible assets	<1	89	2,535	2,982
Legal services	<1	12,793	22,400	31,482
Accounting, tax preparation, bookkeeping, and payroll services	<1	6,205	9,074	12,746
Architectural, engineering, and related services	<1	7,744	9,398	16,186
Specialized design services	<1	335	734	1,016
Custom computer programming services	<1	2,472	2,536	3,613
Computer systems design services	<1	4,137	3,655	4,821
Other computer related services, including facilities management	<1	1,400	1,585	3,326
Management consulting services	<1	17,341	19,776	31,128
Environmental and other technical consulting services	<1	2,956	3,408	4,981
Scientific research and development services	4	299,510	627,300	1,009,319
Advertising, public relations, and related services	<1	3,107	5,167	9,202
Photographic services	<1	159	653	997
Veterinary services	<1	954	1,343	2,004
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	2,485	5,133	8,515

Appendix

Management of companies and enterprises	<1	23,008	26,709	44,027
Office administrative services	<1	3,961	1,057	3,376
Facilities support services	<1	25,576	34,374	65,311
Employment services	<1	25,762	35,125	53,820
Business support services	<1	2,963	2,351	4,229
Travel arrangement and reservation services	<1	1,124	1,373	3,230
Investigation and security services	<1	2,743	2,638	3,843
Services to buildings	<1	3,134	4,043	7,690
Landscape and horticultural services	<1	2,762	3,224	5,691
Other support services	<1	1,530	1,874	3,695
Waste management and remediation services	<1	2,024	4,235	7,278
Elementary and secondary schools	<1	3,025	2,577	3,079
Junior colleges, colleges, universities, and professional schools	<1	5,317	7,248	9,547
Other educational services	<1	1,556	1,762	3,517
Offices of physicians	<1	26,814	28,015	37,753
Offices of dentists	<1	5,000	6,246	8,604
Offices of other health practitioners	<1	3,959	5,714	7,649
Outpatient care centers	<1	5,261	4,836	8,404
Medical and diagnostic laboratories	<1	1,983	2,838	3,941
Home health care services	<1	4,230	4,059	5,283
Other ambulatory health care services	<1	1,427	1,590	2,608
Hospitals	<1	40,048	46,114	91,189
Nursing and community care facilities	<1	6,648	7,523	12,816
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,334	2,548	3,955
Individual and family services	<1	5,305	4,729	6,967
Child day care services	<1	1,597	2,427	3,279
Community food, housing, and other relief services, including rehabilitation services	<1	1,856	1,843	4,317
Performing arts companies	<1	366	842	1,242
Commercial Sports Except Racing	<1	1,883	2,182	3,099
Racing and Track Operation	<1	128	394	502
Independent artists, writers, and performers	<1	230	1,642	1,915

Appendix

Promoters of performing arts and sports and agents for public figures	<1	363	1,335	1,951
Museums, historical sites, zoos, and parks	<1	270	481	788
Amusement parks and arcades	<1	99	263	381
Gambling industries (except casino hotels)	<1	1,594	4,544	6,661
Other amusement and recreation industries	<1	656	896	1,722
Fitness and recreational sports centers	<1	480	733	1,303
Bowling centers	<1	124	217	410
Hotels and motels, including casino hotels	<1	1,141	2,450	3,585
Other accommodations	<1	437	641	861
Full-service restaurants	<1	8,057	12,464	22,398
Limited-service restaurants	<1	5,568	9,590	21,529
All other food and drinking places	<1	5,946	8,855	13,561
Automotive repair and maintenance, except car washes	<1	6,653	7,279	11,121
Car washes	<1	3,119	4,745	7,414
Electronic and precision equipment repair and maintenance	<1	1,411	1,714	2,863
Commercial and industrial machinery and equipment repair and maintenance	<1	2,460	2,325	3,547
Personal and household goods repair and maintenance	<1	1,085	1,975	2,838
Personal care services	<1	2,630	2,291	3,091
Death care services	<1	716	435	651
Dry-cleaning and laundry services	<1	1,650	949	1,317
Other personal services	<1	1,521	1,880	2,770
Religious organizations	<1	8,472	4,247	16,068
Grantmaking, giving, and social advocacy organizations	<1	1,462	4,717	7,135
Business and professional associations	<1	1,042	1,799	3,124
Labor and civic organizations	<1	1,343	3,866	7,477
Private households	<1	727	727	727
Postal service	<1	3,011	3,013	3,208
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	48	-286	35
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	975	903	1,766
Local government electric utilities	<1	66	257	422
Other local government enterprises	<1	2,149	6,277	10,509
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	236,895	387,425	886,324

Investments in Climate Change Research and Technology

Table 669: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Indiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>89</i>	<i>5,104,992</i>	<i>9,218,216</i>	<i>16,622,004</i>
Oilseed farming	<1	7,923	14,480	36,429
Grain farming	<1	6,579	3,618	42,579
Vegetable and melon farming	<1	605	852	2,179
Fruit farming	<1	68	99	203
Tree nut farming	<1	3	5	10
Greenhouse, nursery, and floriculture production	<1	491	604	1,344
Tobacco farming	<1	6	5	11
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	385	440	1,056
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	629	1,333	6,350

Appendix

Dairy cattle and milk production	<1	504	866	6,309
Poultry and egg production	<1	689	942	11,598
Animal production, except cattle and poultry and eggs	<1	9,908	15,652	33,153
Forestry, forest products, and timber tract production	<1	210	204	255
Commercial logging	<1	655	513	756
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	-65	106
Support activities for agriculture and forestry	<1	6,784	4,262	5,173
Oil and gas extraction	<1	879	261	11,970
Coal mining	<1	4,541	11,414	20,674
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	15	29	58
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	716	2,127	4,033
Sand and gravel mining	<1	489	922	1,837
Other clay, ceramic, refractory minerals mining	<1	17	31	70
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	100	172	353
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	3	2	14
Metal mining services	<1	8	4	138
Other nonmetallic minerals services	<1	5	6	46
Electric power generation - Hydroelectric	<1	34	105	235
Electric power generation - Fossil fuel	<1	6,890	27,594	76,886
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	18	75	198
Electric power generation - Wind	<1	191	1,575	3,279
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	11	47	116
Electric power generation - All other	<1	6	4	10
Electric power transmission and distribution	<1	14,074	52,060	135,465
Natural gas distribution	<1	4,804	13,307	30,310
Water, sewage and other systems	<1	1,911	3,990	7,728
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	18,171	25,636	61,907
Maintenance and repair construction of residential structures	<1	6,090	8,494	20,615
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	17	24	58
Dog and cat food manufacturing	<1	308	1,223	4,189
Other animal food manufacturing	<1	1,019	1,961	14,271
Flour milling	<1	394	979	5,268
Rice milling	<1	35	72	391
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,962	7,013	27,652
Soybean and other oilseed processing	<1	214	1,730	9,569
Fats and oils refining and blending	<1	115	297	2,074
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	317	593	2,233
Chocolate and confectionery manufacturing from cacao beans	<1	<1	1	5
Confectionery manufacturing from purchased chocolate	<1	209	347	1,859
Frozen fruits, juices and vegetables manufacturing	<1	3	8	31
Frozen specialties manufacturing	<1	378	632	2,447
Canned fruits and vegetables manufacturing	<1	362	976	2,947
Canned specialties	<1	555	2,039	6,643
Dehydrated food products manufacturing	<1	99	230	753
Cheese manufacturing	<1	333	559	3,703
Dry, condensed, and evaporated dairy product manufacturing	<1	530	1,767	6,737
Fluid milk manufacturing	<1	972	1,931	10,114
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	287	468	1,903
Frozen cakes and other pastries manufacturing	<1	1,023	1,827	2,938
Poultry processing	<1	2,356	3,209	13,343
Animal, except poultry, slaughtering	<1	2,044	2,827	22,587
Meat processed from carcasses	<1	2,150	2,089	17,493
Rendering and meat byproduct processing	<1	91	89	463
Seafood product preparation and packaging	<1	23	34	187
Bread and bakery product, except frozen, manufacturing	<1	2,234	3,697	8,437
Cookie and cracker manufacturing	<1	463	809	2,891
Dry pasta, mixes, and dough manufacturing	<1	140	427	1,278
Tortilla manufacturing	<1	122	171	580
Roasted nuts and peanut butter manufacturing	<1	121	294	1,099
Other snack food manufacturing	<1	803	2,717	7,999
Coffee and tea manufacturing	<1	27	65	291
Flavoring syrup and concentrate manufacturing	<1	47	602	1,049
Mayonnaise, dressing, and sauce manufacturing	<1	18	45	172
Spice and extract manufacturing	<1	55	115	444
All other food manufacturing	<1	622	1,111	4,403

Appendix

Bottled and canned soft drinks & water	<1	1,657	3,383	12,894
Manufactured ice	<1	82	67	292
Breweries	<1	614	1,796	6,373
Wineries	<1	259	522	2,564
Distilleries	<1	664	3,436	7,312
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	24	29	136
Broadwoven fabric mills	<1	23	31	172
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	3
Nonwoven fabric mills	<1	207	301	1,557
Knit fabric mills	<1	2	3	10
Textile and fabric finishing mills	<1	4	5	24
Fabric coating mills	<1	37	45	246
Carpet and rug mills	<1	67	86	360
Curtain and linen mills	<1	121	142	567
Textile bag and canvas mills	<1	257	284	868
Rope, cordage, twine, tire cord and tire fabric mills	<1	114	143	478
Other textile product mills	<1	171	192	625
Hosiery and sock mills	<1	21	24	66
Other apparel knitting mills	<1	10	14	27
Cut and sew apparel contractors	<1	47	51	123
Mens and boys cut and sew apparel manufacturing	<1	34	40	116
Womens and girls cut and sew apparel manufacturing	<1	10	14	52
Other cut and sew apparel manufacturing	<1	39	50	176
Apparel accessories and other apparel manufacturing	<1	19	24	77
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	32	33	95
Other leather and allied product manufacturing	<1	43	45	112
Sawmills	<1	440	586	2,508
Wood preservation	<1	57	114	448
Veneer and plywood manufacturing	<1	537	719	2,557
Engineered wood member and truss manufacturing	<1	282	361	1,091
Reconstituted wood product manufacturing	<1	22	41	168
Wood windows and door manufacturing	<1	972	1,206	3,717

Appendix

Cut stock, resawing lumber, and planing	<1	263	385	1,197
Other millwork, including flooring	<1	509	693	2,060
Wood container and pallet manufacturing	<1	677	829	2,368
Manufactured home (mobile home) manufacturing	<1	11	12	29
Prefabricated wood building manufacturing	<1	95	117	309
All other miscellaneous wood product manufacturing	<1	296	380	1,259
Pulp mills	<1	83	113	457
Paper mills	<1	943	1,833	6,595
Paperboard mills	<1	584	1,117	5,002
Paperboard container manufacturing	<1	1,812	2,502	11,722
Paper bag and coated and treated paper manufacturing	<1	1,307	2,091	8,089
Stationery product manufacturing	<1	231	321	1,482
Sanitary paper product manufacturing	<1	490	1,105	3,807
All other converted paper product manufacturing	<1	237	317	1,057
Printing	<1	10,214	15,692	34,089
Support activities for printing	<1	316	460	806
Petroleum refineries	<1	3,740	29,399	103,423
Asphalt paving mixture and block manufacturing	<1	340	563	1,527
Asphalt shingle and coating materials manufacturing	<1	200	835	1,859
Petroleum lubricating oil and grease manufacturing	<1	352	1,457	3,597
All other petroleum and coal products manufacturing	<1	165	840	1,905
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,135	2,837	7,041
Synthetic dye and pigment manufacturing	<1	131	305	857
Other basic inorganic chemical manufacturing	<1	328	843	2,672
Other basic organic chemical manufacturing	<1	957	2,274	16,980
Plastics material and resin manufacturing	<1	3,135	5,811	30,640
Synthetic rubber manufacturing	<1	66	114	654
Artificial and synthetic fibers and filaments manufacturing	<1	8	14	72

Appendix

Nitrogenous fertilizer manufacturing	<1	35	102	276
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	52	120	395
Pesticide and other agricultural chemical manufacturing	<1	1,080	3,850	11,586
Medicinal and botanical manufacturing	<1	12	24	111
Pharmaceutical preparation manufacturing	<1	10,742	43,956	92,818
In-vitro diagnostic substance manufacturing	<1	992	1,626	3,183
Biological product (except diagnostic) manufacturing	<1	26	65	158
Paint and coating manufacturing	<1	178	405	1,624
Adhesive manufacturing	<1	136	252	1,154
Soap and other detergent manufacturing	<1	243	948	3,046
Polish and other sanitation good manufacturing	<1	341	590	1,780
Surface active agent manufacturing	<1	7	30	94
Toilet preparation manufacturing	<1	279	1,121	3,339
Printing ink manufacturing	<1	23	26	108
Explosives manufacturing	<1	29	34	116
Custom compounding of purchased resins	<1	458	924	3,022
Photographic film and chemical manufacturing	<1	16	45	166
Other miscellaneous chemical product manufacturing	<1	7,132	13,776	58,433
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	964	1,516	5,882
Unlaminated plastics profile shape manufacturing	<1	291	594	2,118
Plastics pipe and pipe fitting manufacturing	<1	12,011	29,338	107,322
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	189	335	1,216
Polystyrene foam product manufacturing	<1	249	403	1,471
Urethane and other foam product (except polystyrene) manufacturing	<1	667	1,033	4,459
Plastics bottle manufacturing	<1	133	205	1,076
Other plastics product manufacturing	<1	6,093	8,483	30,477

Appendix

Tire manufacturing	<1	1,213	1,758	7,809
Rubber and plastics hoses and belting manufacturing	<1	155	223	811
Other rubber product manufacturing	<1	1,258	1,722	6,424
Pottery, ceramics, and plumbing fixture manufacturing	<1	8	13	46
Brick, tile, and other structural clay product manufacturing	<1	196	351	725
Flat glass manufacturing	<1	24	54	161
Other pressed and blown glass and glassware manufacturing	<1	3	6	17
Glass container manufacturing	<1	311	516	1,248
Glass product manufacturing made of purchased glass	<1	881	1,572	3,872
Cement manufacturing	<1	219	563	1,457
Ready-mix concrete manufacturing	<1	1,078	1,901	5,829
Concrete block and brick manufacturing	<1	162	311	756
Concrete pipe manufacturing	<1	49	87	214
Other concrete product manufacturing	<1	360	524	1,269
Lime manufacturing	<1	18	43	105
Gypsum product manufacturing	<1	212	621	1,485
Abrasive product manufacturing	<1	115	344	589
Cut stone and stone product manufacturing	<1	326	392	873
Ground or treated mineral and earth manufacturing	<1	310	896	1,703
Mineral wool manufacturing	<1	221	541	1,193
Miscellaneous nonmetallic mineral products manufacturing	<1	42	132	307
Iron and steel mills and ferroalloy manufacturing	<1	3,463	9,046	33,567
Iron, steel pipe and tube manufacturing from purchased steel	<1	111	271	1,051
Rolled steel shape manufacturing	<1	355	1,123	3,331
Steel wire drawing	<1	159	331	1,235
Alumina refining and primary aluminum production	<1	78	157	860
Secondary smelting and alloying of aluminum	<1	117	263	1,814
Aluminum sheet, plate, and foil manufacturing	<1	853	2,408	7,235
Other aluminum rolling, drawing and extruding	<1	266	483	1,964

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	771	1,489	10,589
Nonferrous metal, except copper and aluminum, shaping	<1	155	216	691
Secondary processing of other nonferrous metals	<1	47	144	562
Ferrous metal foundries	<1	649	1,351	2,932
Nonferrous metal foundries	<1	671	1,186	2,495
Custom roll forming	<1	11	21	111
Crown and closure manufacturing and metal stamping	<1	420	573	1,539
Iron and steel forging	<1	143	266	862
Nonferrous forging	<1	11	18	58
Cutlery, utensil, pot, and pan manufacturing	<1	65	217	576
Handtool manufacturing	<1	75	139	315
Prefabricated metal buildings and components manufacturing	<1	154	246	600
Fabricated structural metal manufacturing	<1	925	1,529	4,181
Plate work manufacturing	<1	238	267	842
Metal window and door manufacturing	<1	655	983	2,511
Sheet metal work manufacturing	<1	507	735	1,906
Ornamental and architectural metal work manufacturing	<1	245	347	879
Power boiler and heat exchanger manufacturing	<1	6	9	23
Metal tank (heavy gauge) manufacturing	<1	138	189	479
Metal cans manufacturing	<1	44	120	391
Metal barrels, drums and pails manufacturing	<1	44	58	268
Hardware manufacturing	<1	811	1,442	3,117
Spring and wire product manufacturing	<1	210	316	890
Machine shops	<1	1,693	2,221	4,542
Turned product and screw, nut, and bolt manufacturing	<1	424	701	1,832
Metal heat treating	<1	218	353	763
Metal coating and nonprecious engraving	<1	555	1,139	2,444
Electroplating, anodizing, and coloring metal	<1	304	362	828
Valve and fittings, other than plumbing, manufacturing	<1	148	265	664

Appendix

Plumbing fixture fitting and trim manufacturing	<1	189	644	1,821
Ball and roller bearing manufacturing	<1	234	501	1,183
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	35	75	196
Fabricated pipe and pipe fitting manufacturing	<1	286	383	1,037
Other fabricated metal manufacturing	<1	6,236	8,966	23,063
Farm machinery and equipment manufacturing	<1	89	151	589
Lawn and garden equipment manufacturing	<1	35	58	326
Construction machinery manufacturing	<1	61	123	419
Mining machinery and equipment manufacturing	<1	5	7	23
Oil and gas field machinery and equipment manufacturing	<1	17	27	88
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	4	10
Sawmill, woodworking, and paper machinery	<1	59	64	207
Printing machinery and equipment manufacturing	<1	3	4	13
All other industrial machinery manufacturing	<1	23	28	86
Optical instrument and lens manufacturing	<1	3	3	15
Photographic and photocopying equipment manufacturing	<1	26	33	154
Other commercial service industry machinery manufacturing	<1	31	45	147
Air purification and ventilation equipment manufacturing	<1	109	137	434
Heating equipment (except warm air furnaces) manufacturing	<1	299	424	1,278
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	590	967	2,959
Industrial mold manufacturing	<1	81	92	212
Special tool, die, jig, and fixture manufacturing	<1	79	99	211

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Cutting tool and machine tool accessory manufacturing	<1	52	58	135
Machine tool manufacturing	<1	6	8	26
Rolling mill and other metalworking machinery manufacturing	<1	9	11	26
Turbine and turbine generator set units manufacturing	<1	<1	<1	4
Speed changer, industrial high-speed drive, and gear manufacturing	<1	352	489	1,553
Mechanical power transmission equipment manufacturing	<1	230	337	870
Other engine equipment manufacturing	<1	5,259	9,689	39,227
Pump and pumping equipment manufacturing	<1	19	31	115
Air and gas compressor manufacturing	<1	16	26	101
Elevator and moving stairway manufacturing	<1	56	74	287
Conveyor and conveying equipment manufacturing	<1	25	28	90
Overhead cranes, hoists, and monorail systems manufacturing	<1	5	9	35
Industrial truck, trailer, and stacker manufacturing	<1	146	218	812
Power-driven handtool manufacturing	<1	<1	2	6
Welding and soldering equipment manufacturing	<1	8	11	35
Packaging machinery manufacturing	<1	3	4	11
Industrial process furnace and oven manufacturing	<1	5	6	15
Fluid power cylinder and actuator manufacturing	<1	129	172	503
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	34	41	142
Electronic computer manufacturing	<1	3	8	54
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	1	4
Telephone apparatus manufacturing	<1	31	60	164

Appendix

Broadcast and wireless communications equipment manufacturing	<1	21	37	84
Other communications equipment manufacturing	<1	7	15	42
Audio and video equipment manufacturing	<1	2	4	10
Printed circuit assembly (electronic assembly) manufacturing	<1	95	217	727
Bare printed circuit board manufacturing	<1	3	4	8
Semiconductor and related device manufacturing	<1	4	9	22
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	48	76	172
Electronic connector manufacturing	<1	1,167	2,073	4,854
Other electronic component manufacturing	<1	32	50	159
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	8	17
Search, detection, and navigation instruments manufacturing	<1	3	7	14
Automatic environmental control manufacturing	<1	156	231	605
Industrial process variable instruments manufacturing	<1	56	103	241
Totalizing fluid meter and counting device manufacturing	<1	5	14	38
Electricity and signal testing instruments manufacturing	<1	1	2	6
Analytical laboratory instrument manufacturing	<1	2	4	8
Irradiation apparatus manufacturing	<1	<1	2	5
Watch, clock, and other measuring and controlling device manufacturing	<1	32	72	180
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	88	145	375
Electric lamp bulb and part manufacturing	<1	207	368	900
Lighting fixture manufacturing	<1	452	645	1,810
Small electrical appliance manufacturing	<1	29	61	249

Appendix

Household cooking appliance manufacturing	<1	15	30	124
Household refrigerator and home freezer manufacturing	<1	16	34	135
Household laundry equipment manufacturing	<1	37	62	326
Other major household appliance manufacturing	<1	7	15	57
Power, distribution, and specialty transformer manufacturing	<1	<1	1	4
Motor and generator manufacturing	<1	231	368	1,240
Switchgear and switchboard apparatus manufacturing	<1	47	74	211
Relay and industrial control manufacturing	<1	65	88	275
Storage battery manufacturing	<1	163	227	655
Primary battery manufacturing	<1	630	502	2,369
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	43	63	260
Wiring device manufacturing	<1	89	157	463
Carbon and graphite product manufacturing	<1	16	25	85
All other miscellaneous electrical equipment and component manufacturing	<1	5	6	29
Automobile manufacturing	<1	1,079	4,836	14,794
Light truck and utility vehicle manufacturing	<1	1,914	6,654	38,677
Heavy duty truck manufacturing	<1	32	103	496
Motor vehicle body manufacturing	<1	78	117	404
Truck trailer manufacturing	<1	11	17	63
Motor home manufacturing	<1	2,568	4,842	14,788
Travel trailer and camper manufacturing	<1	2,951	3,414	10,781
Motor vehicle gasoline engine and engine parts manufacturing	<1	710	1,256	6,565
Motor vehicle electrical and electronic equipment manufacturing	<1	1,813	2,669	10,966
Motor vehicle transmission and power train parts manufacturing	<1	14,651	25,358	97,768
Motor vehicle seating and interior trim manufacturing	<1	848	1,126	5,685
Motor vehicle metal stamping	<1	2,133	2,885	10,062
Other motor vehicle parts manufacturing	<1	2,936	4,771	19,727

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,252	2,349	9,016
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	<1	122	257	606
Other aircraft parts and auxiliary equipment manufacturing	<1	8	13	28
Guided missile and space vehicle manufacturing	<1	<1	1	3
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	18	22	105
Ship building and repairing	<1	113	143	292
Boat building	<1	1,363	1,876	6,245
Motorcycle, bicycle, and parts manufacturing	<1	57	189	484
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	169	314	1,483
Wood kitchen cabinet and countertop manufacturing	<1	1,538	2,264	4,936
Upholstered household furniture manufacturing	<1	407	467	1,519
Nonupholstered wood household furniture manufacturing	<1	199	244	657
Other household nonupholstered furniture manufacturing	<1	214	351	1,111
Institutional furniture manufacturing	<1	13	14	45
Wood office furniture manufacturing	<1	10	15	44
Custom architectural woodwork and millwork	<1	6	5	18
Office furniture, except wood, manufacturing	<1	8	15	46
Showcase, partition, shelving, and locker manufacturing	<1	73	114	322
Mattress manufacturing	<1	145	272	962
Blind and shade manufacturing	<1	50	53	217
Surgical and medical instrument manufacturing	<1	642	1,094	2,832
Surgical appliance and supplies manufacturing	<1	2,584	4,635	9,524
Dental equipment and supplies manufacturing	<1	14	21	56

Appendix

Ophthalmic goods manufacturing	<1	48	84	193
Dental laboratories	<1	161	165	307
Jewelry and silverware manufacturing	<1	234	312	752
Sporting and athletic goods manufacturing	<1	112	149	518
Doll, toy, and game manufacturing	<1	80	121	475
Office supplies (except paper) manufacturing	<1	193	265	834
Sign manufacturing	<1	581	497	1,281
Gasket, packing, and sealing device manufacturing	<1	629	748	1,775
Musical instrument manufacturing	<1	71	75	180
Fasteners, buttons, needles, and pins manufacturing	<1	66	84	202
Broom, brush, and mop manufacturing	<1	86	114	351
Burial casket manufacturing	<1	238	283	614
All other miscellaneous manufacturing	<1	69	89	281
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,148	6,306	14,415
Wholesale - Professional and commercial equipment and supplies	<1	13,654	20,117	35,990
Wholesale - Household appliances and electrical and electronic goods	<1	4,404	9,389	22,188
Wholesale - Machinery, equipment, and supplies	<1	7,618	13,090	23,545
Wholesale - Other durable goods merchant wholesalers	<1	9,280	14,566	29,115
Wholesale - Drugs and druggists' sundries	<1	7,013	22,387	37,678
Wholesale - Grocery and related product wholesalers	<1	10,477	13,789	28,518
Wholesale - Petroleum and petroleum products	<1	4,137	27,262	33,811
Wholesale - Other nondurable goods merchant wholesalers	<1	19,589	34,703	68,425
Wholesale - Wholesale electronic markets and agents and brokers	<1	11,336	11,671	13,785
Retail - Motor vehicle and parts dealers	<1	14,659	22,434	34,417
Retail - Furniture and home furnishings stores	<1	6,990	9,189	15,698
Retail - Electronics and appliance stores	<1	7,243	6,822	12,854

Appendix

Retail - Building material and garden equipment and supplies stores	<1	8,973	15,736	24,366
Retail - Food and beverage stores	<1	15,314	20,881	37,911
Retail - Health and personal care stores	<1	15,704	19,163	30,371
Retail - Gasoline stores	<1	7,322	12,507	25,947
Retail - Clothing and clothing accessories stores	<1	17,803	21,496	36,161
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,093	7,010	12,652
Retail - General merchandise stores	<1	24,443	34,869	60,726
Retail - Miscellaneous store retailers	<1	10,478	12,889	23,649
Retail - Nonstore retailers	<1	14,959	46,514	94,492
Air transportation	<1	7,007	13,837	27,194
Rail transportation	<1	4,606	11,619	19,225
Water transportation	<1	2,289	3,108	12,101
Truck transportation	<1	31,252	39,156	75,662
Transit and ground passenger transportation	<1	4,903	5,919	10,112
Pipeline transportation	<1	4,910	5,941	7,081
Scenic and sightseeing transportation and support activities for transportation	<1	21,773	23,749	51,717
Couriers and messengers	<1	10,582	13,722	23,542
Warehousing and storage	<1	19,381	21,845	40,559
Newspaper publishers	<1	3,910	6,787	8,942
Periodical publishers	<1	614	990	1,766
Book publishers	<1	2,168	6,929	12,617
Directory, mailing list, and other publishers	<1	405	1,143	1,749
Greeting card publishing	<1	38	105	142
Software publishers	<1	9,727	22,070	25,247
Motion picture and video industries	<1	2,479	4,403	15,223
Sound recording industries	<1	523	2,442	5,007
Radio and television broadcasting	<1	10,541	12,629	43,586
Cable and other subscription programming	<1	82	364	1,590
Wired telecommunications carriers	<1	7,740	14,427	31,680
Wireless telecommunications carriers (except satellite)	<1	5,369	24,994	75,723

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	1,716	2,402	7,586
Data processing, hosting, and related services	<1	8,757	14,389	55,244
News syndicates, libraries, archives and all other information services	<1	390	543	1,718
Internet publishing and broadcasting and web search portals	<1	5,659	11,774	63,988
Nondepository credit intermediation and related activities	<1	17,359	20,406	38,129
Securities and commodity contracts intermediation and brokerage	<1	24,027	23,319	52,983
Monetary authorities and depository credit intermediation	<1	58,887	112,502	246,778
Other financial investment activities	<1	10,589	14,440	44,686
Direct life insurance carriers	<1	8,566	23,757	31,403
Insurance carriers, except direct life	<1	20,182	109,967	184,380
Insurance agencies, brokerages, and related activities	<1	19,957	46,089	89,778
Funds, trusts, and other financial vehicles	<1	7,232	11,403	38,047
Other real estate	4	244,489	402,870	886,805
Tenant-occupied housing	<1	17,937	74,417	87,515
Owner-occupied dwellings	0	0	272,109	345,430
Automotive equipment rental and leasing	<1	3,778	17,132	24,705
General and consumer goods rental except video tapes and discs	<1	5,599	8,216	15,639
Video tape and disc rental	<1	1,310	2,304	3,698
Commercial and industrial machinery and equipment rental and leasing	<1	3,262	11,521	16,670
Lessors of nonfinancial intangible assets	<1	517	13,251	15,654
Legal services	1	78,962	134,680	193,932
Accounting, tax preparation, bookkeeping, and payroll services	<1	30,913	42,938	63,119
Architectural, engineering, and related services	<1	46,241	54,339	96,348
Specialized design services	<1	1,575	3,183	4,744
Custom computer programming services	<1	12,570	13,077	19,360

Appendix

Computer systems design services	<1	19,088	16,729	22,613
Other computer related services, including facilities management	<1	5,942	6,758	14,808
Management consulting services	1	85,070	96,362	158,313
Environmental and other technical consulting services	<1	14,230	16,211	24,251
Scientific research and development services	23	1,729,957	3,754,726	6,231,232
Advertising, public relations, and related services	<1	15,679	25,083	48,225
Photographic services	<1	841	3,036	5,116
Veterinary services	<1	4,511	6,067	9,427
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	14,960	29,142	52,683
Management of companies and enterprises	1	117,794	136,006	233,299
Office administrative services	<1	15,337	3,849	13,708
Facilities support services	<1	2,962	4,033	8,980
Employment services	4	128,699	171,495	282,034
Business support services	<1	18,216	14,135	27,384
Travel arrangement and reservation services	<1	5,904	7,193	17,371
Investigation and security services	<1	12,297	11,730	18,071
Services to buildings	<1	17,584	22,300	45,459
Landscape and horticultural services	<1	14,575	16,879	31,104
Other support services	<1	7,962	9,696	20,184
Waste management and remediation services	<1	10,660	22,309	39,157
Elementary and secondary schools	<1	10,613	9,118	11,111
Junior colleges, colleges, universities, and professional schools	15	641,100	877,382	1,198,215
Other educational services	<1	7,302	8,193	17,083
Offices of physicians	1	128,409	133,076	180,217
Offices of dentists	<1	23,039	28,020	39,243
Offices of other health practitioners	<1	19,219	26,642	36,105
Outpatient care centers	<1	22,718	20,651	35,739
Medical and diagnostic laboratories	<1	8,996	12,390	17,758
Home health care services	<1	20,432	19,452	25,410
Other ambulatory health care services	<1	6,550	7,186	11,965

Appendix

Hospitals	2	154,630	179,735	361,157
Nursing and community care facilities	<1	28,464	32,155	56,968
Residential mental retardation, mental health, substance abuse and other facilities	<1	8,535	9,294	14,849
Individual and family services	<1	20,626	17,944	27,102
Child day care services	<1	6,773	9,835	13,856
Community food, housing, and other relief services, including rehabilitation services	<1	6,657	6,566	16,041
Performing arts companies	<1	1,332	3,182	5,234
Commercial Sports Except Racing	<1	8,589	10,687	15,502
Racing and Track Operation	<1	504	1,621	2,405
Independent artists, writers, and performers	<1	871	7,296	8,772
Promoters of performing arts and sports and agents for public figures	<1	1,396	5,462	8,711
Museums, historical sites, zoos, and parks	<1	1,127	2,024	3,439
Amusement parks and arcades	<1	379	1,195	1,755
Gambling industries (except casino hotels)	<1	6,388	18,274	27,909
Other amusement and recreation industries	<1	2,954	4,224	8,491
Fitness and recreational sports centers	<1	1,904	3,084	5,716
Bowling centers	<1	555	1,013	1,988
Hotels and motels, including casino hotels	<1	4,535	10,073	15,099
Other accommodations	<1	1,363	2,025	2,784
Full-service restaurants	2	40,135	60,686	113,634
Limited-service restaurants	1	25,863	43,710	103,995
All other food and drinking places	1	27,189	40,429	64,241
Automotive repair and maintenance, except car washes	<1	28,972	34,058	52,144
Car washes	<1	13,961	21,445	33,904
Electronic and precision equipment repair and maintenance	<1	7,918	9,478	16,573
Commercial and industrial machinery and equipment repair and maintenance	<1	13,453	12,993	20,490
Personal and household goods repair and maintenance	<1	3,523	6,854	9,999
Personal care services	<1	10,825	10,029	13,530
Death care services	<1	2,661	2,096	2,959

Appendix

Dry-cleaning and laundry services	<1	7,549	5,638	7,378
Other personal services	<1	6,720	8,478	12,716
Religious organizations	<1	33,297	21,906	69,256
Grantmaking, giving, and social advocacy organizations	<1	4,821	17,440	26,184
Business and professional associations	<1	4,585	8,571	15,142
Labor and civic organizations	<1	4,784	15,300	28,729
Private households	<1	3,009	3,009	3,009
Postal service	<1	15,855	15,860	16,917
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	239	-1,054	154
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	4,862	3,393	14,876
Local government electric utilities	<1	371	1,685	2,807
Other local government enterprises	<1	13,272	43,663	73,078
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	144,888	330,283	755,597

Iowa

NASA

Table 670: Detailed NASA Impacts by Types of Impact, Iowa

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	333	19,325,551	30,220,986	60,711,814
Oilseed farming	<1	65,903	167,332	489,151
Grain farming	<1	26,748	22,093	249,739
Vegetable and melon farming	<1	370	609	2,208
Fruit farming	<1	185	323	909
Tree nut farming	<1	13	24	69
Greenhouse, nursery, and floriculture production	<1	2,541	3,431	12,002
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,034	1,327	4,859
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,548	14,487	81,101
Dairy cattle and milk production	<1	1,805	3,200	31,315
Poultry and egg production	<1	1,411	2,017	42,229
Animal production, except cattle and poultry and eggs	<1	34,844	75,605	200,613
Forestry, forest products, and timber tract production	<1	453	514	624
Commercial logging	<1	1,781	1,797	2,717
Commercial fishing	<1	30	219	336
Commercial hunting and trapping	<1	120	7	555
Support activities for agriculture and forestry	<1	15,632	13,573	16,662
Oil and gas extraction	<1	1,398	1,670	46,494
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	4,742	10,876	22,091
Sand and gravel mining	<1	2,972	5,156	10,757

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	107	169	428
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	4	5	33
Metal mining services	<1	6	8	249
Other nonmetallic minerals services	<1	6	8	78
Electric power generation - Hydroelectric	<1	650	2,220	4,631
Electric power generation - Fossil fuel	<1	23,430	98,355	251,461
Electric power generation - Nuclear	<1	10,550	25,070	53,435
Electric power generation - Solar	<1	271	1,063	2,221
Electric power generation - Wind	<1	2,371	22,261	42,385
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	96	512	1,561
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	46,970	184,169	476,102
Natural gas distribution	<1	9,472	27,916	59,784
Water, sewage and other systems	<1	3,583	7,775	14,571
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	127,792	160,910	402,313
Maintenance and repair construction of residential structures	<1	23,998	30,432	75,741
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	55	70	174
Dog and cat food manufacturing	<1	3,632	11,933	36,449
Other animal food manufacturing	<1	8,042	14,172	86,210
Flour milling	<1	1,080	2,233	13,513
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	10,490	32,013	141,380
Soybean and other oilseed processing	<1	2,051	12,632	87,752
Fats and oils refining and blending	<1	9	20	197
Breakfast cereal manufacturing	<1	14,935	40,741	96,843
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	42	73	684
Chocolate and confectionery manufacturing from cacao beans	<1	128	210	824
Confectionery manufacturing from purchased chocolate	<1	709	1,042	4,159
Frozen fruits, juices and vegetables manufacturing	<1	824	1,800	6,043
Frozen specialties manufacturing	<1	3,230	4,765	16,716
Canned fruits and vegetables manufacturing	<1	745	1,666	5,455
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	1,007	1,549	13,519
Dry, condensed, and evaporated dairy product manufacturing	<1	3,605	9,628	41,794
Fluid milk manufacturing	<1	2,283	3,945	22,139
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2,544	3,739	13,124
Frozen cakes and other pastries manufacturing	<1	1,640	2,352	4,684

Appendix

Poultry processing	<1	10,116	13,145	52,612
Animal, except poultry, slaughtering	<1	20,903	27,330	198,208
Meat processed from carcasses	<1	11,809	11,342	82,529
Rendering and meat byproduct processing	<1	206	198	1,181
Seafood product preparation and packaging	<1	6	9	100
Bread and bakery product, except frozen, manufacturing	<1	3,927	5,662	16,110
Cookie and cracker manufacturing	<1	3,475	5,417	18,925
Dry pasta, mixes, and dough manufacturing	<1	686	1,697	5,258
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	411	491	2,581
Other snack food manufacturing	<1	500	945	3,411
Coffee and tea manufacturing	<1	34	71	568
Flavoring syrup and concentrate manufacturing	<1	196	1,793	3,948
Mayonnaise, dressing, and sauce manufacturing	<1	341	727	3,210
Spice and extract manufacturing	<1	1,431	2,593	10,946
All other food manufacturing	<1	4,433	6,987	26,963
Bottled and canned soft drinks & water	<1	5,192	9,407	41,991
Manufactured ice	<1	454	291	1,246
Breweries	<1	1,292	3,788	14,200
Wineries	<1	534	1,057	6,476
Distilleries	<1	270	1,807	4,009
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	31	36	110
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	49	72	210
Textile and fabric finishing mills	<1	22	33	111
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	1,132	2,486	10,000
Curtain and linen mills	<1	32	47	175
Textile bag and canvas mills	<1	226	297	766
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	366	487	1,380
Hosiery and sock mills	<1	211	200	515

Appendix

Other apparel knitting mills	<1	163	158	395
Cut and sew apparel contractors	<1	24	31	69
Mens and boys cut and sew apparel manufacturing	<1	48	50	132
Womens and girls cut and sew apparel manufacturing	<1	5	8	36
Other cut and sew apparel manufacturing	<1	71	69	261
Apparel accessories and other apparel manufacturing	<1	143	131	407
Leather and hide tanning and finishing	<1	111	94	687
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	18	18	54
Sawmills	<1	1,239	1,888	7,112
Wood preservation	<1	106	272	1,014
Veneer and plywood manufacturing	<1	38	58	199
Engineered wood member and truss manufacturing	<1	913	1,331	3,658
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	12,095	16,277	39,118
Cut stock, resawing lumber, and planing	<1	34	58	182
Other millwork, including flooring	<1	1,034	1,586	4,002
Wood container and pallet manufacturing	<1	2,089	2,768	7,334
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	482	645	1,754
All other miscellaneous wood product manufacturing	<1	190	273	1,006
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	109	549	1,254
Paperboard container manufacturing	<1	5,089	12,763	35,937
Paper bag and coated and treated paper manufacturing	<1	5,288	18,155	37,675
Stationery product manufacturing	<1	841	2,014	6,271
Sanitary paper product manufacturing	<1	380	2,637	5,029
All other converted paper product manufacturing	<1	660	1,519	4,004

Appendix

Printing	<1	39,678	65,784	132,308
Support activities for printing	<1	1,296	1,964	2,888
Petroleum refineries	<1	3,260	6,704	43,497
Asphalt paving mixture and block manufacturing	<1	2,663	3,023	6,023
Asphalt shingle and coating materials manufacturing	<1	1,669	2,363	4,056
Petroleum lubricating oil and grease manufacturing	<1	3,992	5,528	9,752
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,749	5,743	12,542
Synthetic dye and pigment manufacturing	<1	613	1,223	3,102
Other basic inorganic chemical manufacturing	<1	1,503	2,641	6,125
Other basic organic chemical manufacturing	<1	5,583	11,512	59,962
Plastics material and resin manufacturing	<1	4,817	6,934	21,668
Synthetic rubber manufacturing	<1	389	504	1,535
Artificial and synthetic fibers and filaments manufacturing	<1	108	126	300
Nitrogenous fertilizer manufacturing	<1	3,906	8,985	19,351
Phosphatic fertilizer manufacturing	<1	114	187	450
Fertilizer mixing	<1	75	137	382
Pesticide and other agricultural chemical manufacturing	<1	4,436	12,039	34,864
Medicinal and botanical manufacturing	<1	1,086	1,986	4,684
Pharmaceutical preparation manufacturing	<1	709	2,277	5,908
In-vitro diagnostic substance manufacturing	<1	61	84	186
Biological product (except diagnostic) manufacturing	<1	4,088	8,857	17,611
Paint and coating manufacturing	<1	1,355	2,373	6,599
Adhesive manufacturing	<1	83	142	414
Soap and other detergent manufacturing	<1	592	1,504	4,563
Polish and other sanitation good manufacturing	<1	736	1,119	3,485
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2,563	8,617	18,156
Printing ink manufacturing	<1	390	422	1,337

Appendix

Explosives manufacturing	<1	38	43	111
Custom compounding of purchased resins	<1	138	245	710
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	801	1,269	3,436
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,020	3,078	9,316
Unlaminated plastics profile shape manufacturing	<1	364	721	2,534
Plastics pipe and pipe fitting manufacturing	<1	396	952	3,633
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	505	865	3,039
Polystyrene foam product manufacturing	<1	376	605	2,555
Urethane and other foam product (except polystyrene) manufacturing	<1	493	758	3,541
Plastics bottle manufacturing	<1	890	1,359	6,554
Other plastics product manufacturing	<1	9,457	13,126	44,700
Tire manufacturing	<1	7,542	10,873	43,750
Rubber and plastics hoses and belting manufacturing	<1	962	1,358	3,998
Other rubber product manufacturing	<1	2,658	3,624	13,531
Pottery, ceramics, and plumbing fixture manufacturing	<1	37	67	129
Brick, tile, and other structural clay product manufacturing	<1	580	1,425	3,137
Flat glass manufacturing	<1	228	705	1,235
Other pressed and blown glass and glassware manufacturing	<1	883	2,171	3,959
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,213	2,896	5,761
Cement manufacturing	<1	954	3,576	7,079
Ready-mix concrete manufacturing	<1	5,535	13,064	33,349
Concrete block and brick manufacturing	<1	553	1,452	3,048
Concrete pipe manufacturing	<1	203	477	1,077
Other concrete product manufacturing	<1	1,990	3,576	8,116
Lime manufacturing	<1	270	1,003	1,973
Gypsum product manufacturing	<1	1,293	5,483	10,672

Appendix

Abrasive product manufacturing	<1	646	2,786	3,790
Cut stone and stone product manufacturing	<1	1,238	1,703	3,629
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	334	1,207	2,013
Miscellaneous nonmetallic mineral products manufacturing	<1	32	145	240
Iron and steel mills and ferroalloy manufacturing	<1	2,932	5,093	32,661
Iron, steel pipe and tube manufacturing from purchased steel	<1	233	370	1,994
Rolled steel shape manufacturing	<1	236	456	2,688
Steel wire drawing	<1	122	167	754
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	8,607	15,637	66,379
Other aluminum rolling, drawing and extruding	<1	222	301	1,454
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	254	364	3,016
Nonferrous metal, except copper and aluminum, shaping	<1	189	225	875
Secondary processing of other nonferrous metals	<1	40	66	413
Ferrous metal foundries	<1	552	752	1,924
Nonferrous metal foundries	<1	1,118	1,522	4,281
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	359	423	1,291
Iron and steel forging	<1	49	70	285
Nonferrous forging	<1	16	21	94
Cutlery, utensil, pot, and pan manufacturing	<1	274	549	1,395
Handtool manufacturing	<1	966	1,389	3,193
Prefabricated metal buildings and components manufacturing	<1	919	1,167	3,920
Fabricated structural metal manufacturing	<1	3,237	4,272	15,014
Plate work manufacturing	<1	468	502	1,613
Metal window and door manufacturing	<1	2,315	2,867	7,939
Sheet metal work manufacturing	<1	1,212	1,475	4,200

Appendix

Ornamental and architectural metal work manufacturing	<1	958	1,148	3,661
Power boiler and heat exchanger manufacturing	<1	3	4	11
Metal tank (heavy gauge) manufacturing	<1	118	140	453
Metal cans manufacturing	<1	150	275	1,596
Metal barrels, drums and pails manufacturing	<1	182	213	944
Hardware manufacturing	<1	593	821	2,755
Spring and wire product manufacturing	<1	501	630	2,381
Machine shops	<1	6,069	7,002	15,479
Turned product and screw, nut, and bolt manufacturing	<1	621	820	2,573
Metal heat treating	<1	210	274	795
Metal coating and nonprecious engraving	<1	473	716	2,243
Electroplating, anodizing, and coloring metal	<1	219	241	584
Valve and fittings, other than plumbing, manufacturing	<1	1,307	1,831	5,267
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	329	512	1,716
Small arms ammunition manufacturing	<1	381	664	1,847
Ammunition, except for small arms, manufacturing	<1	123	143	351
Small arms, ordnance, and accessories manufacturing	<1	76	122	341
Fabricated pipe and pipe fitting manufacturing	<1	31	37	122
Other fabricated metal manufacturing	<1	932	1,124	3,423
Farm machinery and equipment manufacturing	<1	1,740	3,201	9,617
Lawn and garden equipment manufacturing	<1	117	225	887
Construction machinery manufacturing	<1	665	1,621	4,092
Mining machinery and equipment manufacturing	<1	5	8	27
Oil and gas field machinery and equipment manufacturing	<1	17	30	96
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	6	7	23

Appendix

Sawmill, woodworking, and paper machinery	<1	31	36	115
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	21	29	80
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	290	520	1,834
Air purification and ventilation equipment manufacturing	<1	72	105	291
Heating equipment (except warm air furnaces) manufacturing	<1	434	712	2,177
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,142	2,271	6,869
Industrial mold manufacturing	<1	329	397	846
Special tool, die, jig, and fixture manufacturing	<1	131	181	327
Cutting tool and machine tool accessory manufacturing	<1	208	242	587
Machine tool manufacturing	<1	49	66	208
Rolling mill and other metalworking machinery manufacturing	<1	8	10	23
Turbine and turbine generator set units manufacturing	<1	165	226	932
Speed changer, industrial high-speed drive, and gear manufacturing	<1	912	1,467	3,354
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	1,590	3,705	11,002
Pump and pumping equipment manufacturing	<1	104	202	500
Air and gas compressor manufacturing	<1	1	2	12
Elevator and moving stairway manufacturing	<1	<1	<1	3
Conveyor and conveying equipment manufacturing	<1	149	172	486
Overhead cranes, hoists, and monorail systems manufacturing	<1	8	17	58
Industrial truck, trailer, and stacker manufacturing	<1	167	290	913

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Power-driven handtool manufacturing	<1	3	7	19
Welding and soldering equipment manufacturing	<1	88	135	349
Packaging machinery manufacturing	<1	79	123	306
Industrial process furnace and oven manufacturing	<1	16	19	38
Fluid power cylinder and actuator manufacturing	<1	782	1,173	3,161
Fluid power pump and motor manufacturing	<1	262	451	1,251
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	105	135	416
Electronic computer manufacturing	<1	27	51	260
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	1	5
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	15	21	86
Other communications equipment manufacturing	<1	47	69	226
Audio and video equipment manufacturing	<1	19	28	98
Printed circuit assembly (electronic assembly) manufacturing	<1	24	38	254
Bare printed circuit board manufacturing	<1	19	24	92
Semiconductor and related device manufacturing	<1	71	106	309
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	76	102	323
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	77	99	359
Electromedical and electrotherapeutic apparatus manufacturing	<1	23	38	90
Search, detection, and navigation instruments manufacturing	<1	89	133	308
Automatic environmental control manufacturing	<1	36	45	112

Appendix

Industrial process variable instruments manufacturing	<1	157	228	709
Totalizing fluid meter and counting device manufacturing	<1	16	29	75
Electricity and signal testing instruments manufacturing	<1	<1	<1	1
Analytical laboratory instrument manufacturing	<1	<1	<1	3
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	9	15	45
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1	2	9
Electric lamp bulb and part manufacturing	<1	81	157	396
Lighting fixture manufacturing	<1	1,399	2,027	5,786
Small electrical appliance manufacturing	<1	109	230	741
Household cooking appliance manufacturing	<1	1,136	2,407	7,768
Household refrigerator and home freezer manufacturing	<1	1,230	2,707	8,397
Household laundry equipment manufacturing	<1	2,802	4,759	19,441
Other major household appliance manufacturing	<1	523	1,222	3,534
Power, distribution, and specialty transformer manufacturing	<1	5	7	26
Motor and generator manufacturing	<1	209	351	1,185
Switchgear and switchboard apparatus manufacturing	<1	373	619	1,544
Relay and industrial control manufacturing	<1	72	97	315
Storage battery manufacturing	<1	2,427	3,385	9,917
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	41	51	298
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	43	79	267
Carbon and graphite product manufacturing	<1	249	415	1,379
All other miscellaneous electrical equipment and component manufacturing	<1	13	15	53
Automobile manufacturing	<1	256	439	3,130

Appendix

Light truck and utility vehicle manufacturing	<1	385	421	8,207
Heavy duty truck manufacturing	<1	42	62	570
Motor vehicle body manufacturing	<1	877	973	3,988
Truck trailer manufacturing	<1	25	26	128
Motor home manufacturing	<1	5,700	6,426	28,982
Travel trailer and camper manufacturing	<1	3,909	4,134	18,060
Motor vehicle gasoline engine and engine parts manufacturing	<1	847	992	6,285
Motor vehicle electrical and electronic equipment manufacturing	<1	2,319	2,492	14,968
Motor vehicle transmission and power train parts manufacturing	<1	965	1,190	7,369
Motor vehicle seating and interior trim manufacturing	<1	41	44	317
Motor vehicle metal stamping	<1	3,658	3,864	18,470
Other motor vehicle parts manufacturing	<1	2,474	2,667	14,853
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	88	121	1,628
Aircraft manufacturing	<1	2	4	17
Aircraft engine and engine parts manufacturing	<1	371	778	1,984
Other aircraft parts and auxiliary equipment manufacturing	<1	67,032	91,863	255,069
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	49	55	237
Ship building and repairing	0	0	0	0
Boat building	<1	631	819	3,140
Motorcycle, bicycle, and parts manufacturing	<1	43	117	357
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,632	2,814	13,734
Wood kitchen cabinet and countertop manufacturing	<1	1,870	3,118	6,680
Upholstered household furniture manufacturing	<1	131	157	325

Appendix

Nonupholstered wood household furniture manufacturing	<1	120	162	468
Other household nonupholstered furniture manufacturing	<1	294	571	1,050
Institutional furniture manufacturing	<1	4	5	17
Wood office furniture manufacturing	<1	6	10	24
Custom architectural woodwork and millwork	<1	32	31	87
Office furniture, except wood, manufacturing	<1	1,384	3,114	7,274
Showcase, partition, shelving, and locker manufacturing	<1	88	159	439
Mattress manufacturing	<1	168	411	1,173
Blind and shade manufacturing	<1	18	20	68
Surgical and medical instrument manufacturing	<1	198	155	458
Surgical appliance and supplies manufacturing	<1	659	532	1,578
Dental equipment and supplies manufacturing	<1	11	9	29
Ophthalmic goods manufacturing	<1	74	60	180
Dental laboratories	<1	520	526	799
Jewelry and silverware manufacturing	<1	398	593	1,762
Sporting and athletic goods manufacturing	<1	1,046	978	2,922
Doll, toy, and game manufacturing	<1	283	237	854
Office supplies (except paper) manufacturing	<1	145	137	458
Sign manufacturing	<1	2,732	2,320	4,437
Gasket, packing, and sealing device manufacturing	<1	527	504	1,230
Musical instrument manufacturing	<1	254	244	468
Fasteners, buttons, needles, and pins manufacturing	<1	35	34	95
Broom, brush, and mop manufacturing	<1	1,873	1,258	4,283
Burial casket manufacturing	<1	862	854	1,439
All other miscellaneous manufacturing	<1	114,476	107,393	235,098
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	15,322	30,551	73,483
Wholesale - Professional and commercial equipment and supplies	<1	33,719	49,731	91,216

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Wholesale - Household appliances and electrical and electronic goods	<1	17,163	35,462	82,327
Wholesale - Machinery, equipment, and supplies	<1	40,667	70,569	126,254
Wholesale - Other durable goods merchant wholesalers	<1	44,177	68,938	138,344
Wholesale - Drugs and druggists' sundries	<1	29,567	73,936	135,702
Wholesale - Grocery and related product wholesalers	<1	31,722	40,820	79,508
Wholesale - Petroleum and petroleum products	<1	7,744	90,851	109,328
Wholesale - Other nondurable goods merchant wholesalers	1	114,287	207,635	386,049
Wholesale - Wholesale electronic markets and agents and brokers	<1	22,716	23,385	27,228
Retail - Motor vehicle and parts dealers	<1	53,358	79,541	121,529
Retail - Furniture and home furnishings stores	<1	24,102	30,197	52,897
Retail - Electronics and appliance stores	<1	30,716	28,581	53,000
Retail - Building material and garden equipment and supplies stores	<1	38,677	66,141	102,345
Retail - Food and beverage stores	3	92,311	122,456	222,084
Retail - Health and personal care stores	1	51,712	62,866	101,762
Retail - Gasoline stores	1	25,426	43,277	94,829
Retail - Clothing and clothing accessories stores	1	29,609	42,666	94,678
Retail - Sporting goods, hobby, musical instrument and book stores	<1	22,727	28,641	51,396
Retail - General merchandise stores	3	93,010	120,746	212,058
Retail - Miscellaneous store retailers	2	35,890	42,697	80,762
Retail - Nonstore retailers	2	35,527	110,625	316,533
Air transportation	<1	6,275	18,648	39,646
Rail transportation	<1	12,956	45,223	65,734
Water transportation	<1	1,953	2,440	15,891
Truck transportation	2	114,330	134,044	258,153
Transit and ground passenger transportation	1	17,212	22,102	34,060
Pipeline transportation	<1	13,093	25,068	30,651
Scenic and sightseeing transportation and support activities for transportation	1	79,061	88,444	195,165

Appendix

Couriers and messengers	<1	29,332	37,778	63,833
Warehousing and storage	2	72,928	81,284	150,530
Newspaper publishers	<1	22,262	43,228	55,949
Periodical publishers	<1	31,073	54,816	76,821
Book publishers	<1	7,462	27,779	43,334
Directory, mailing list, and other publishers	<1	12,999	43,712	61,841
Greeting card publishing	0	0	0	0
Software publishers	<1	25,864	68,814	77,227
Motion picture and video industries	<1	8,745	23,554	66,133
Sound recording industries	<1	611	4,703	10,272
Radio and television broadcasting	<1	35,209	48,284	185,377
Cable and other subscription programming	<1	101	763	2,627
Wired telecommunications carriers	<1	71,079	133,547	243,910
Wireless telecommunications carriers (except satellite)	<1	14,389	71,124	188,589
Satellite, telecommunications resellers, and all other telecommunications	<1	15,137	19,637	39,179
Data processing, hosting, and related services	<1	56,711	122,681	315,131
News syndicates, libraries, archives and all other information services	<1	1,600	2,461	6,314
Internet publishing and broadcasting and web search portals	<1	25,138	53,400	178,019
Nondepository credit intermediation and related activities	<1	104,673	131,726	213,304
Securities and commodity contracts intermediation and brokerage	2	75,619	63,801	188,620
Monetary authorities and depository credit intermediation	4	390,029	1,050,007	1,785,319
Other financial investment activities	2	60,238	72,961	284,743
Direct life insurance carriers	<1	44,832	142,912	167,378
Insurance carriers, except direct life	<1	82,443	547,048	771,872
Insurance agencies, brokerages, and related activities	<1	66,195	172,163	315,800
Funds, trusts, and other financial vehicles	<1	20,426	27,774	152,317
Other real estate	16	268,999	1,110,326	2,990,666
Tenant-occupied housing	1	16,890	323,827	369,833

Appendix

Owner-occupied dwellings	0	0	1,058,845	1,344,157
Automotive equipment rental and leasing	<1	10,799	30,557	49,218
General and consumer goods rental except video tapes and discs	<1	16,289	22,371	40,678
Video tape and disc rental	<1	4,685	8,023	13,137
Commercial and industrial machinery and equipment rental and leasing	<1	18,419	45,171	70,380
Lessors of nonfinancial intangible assets	<1	1,911	47,292	55,610
Legal services	5	369,972	576,571	869,239
Accounting, tax preparation, bookkeeping, and payroll services	1	100,657	127,619	194,613
Architectural, engineering, and related services	3	234,794	256,023	458,965
Specialized design services	<1	5,722	8,831	14,615
Custom computer programming services	<1	52,001	56,606	81,475
Computer systems design services	<1	46,522	45,685	61,075
Other computer related services, including facilities management	<1	20,381	31,871	58,142
Management consulting services	4	290,731	302,632	510,253
Environmental and other technical consulting services	<1	37,661	39,512	63,495
Scientific research and development services	134	9,416,254	13,222,326	27,710,871
Advertising, public relations, and related services	2	92,512	126,956	246,381
Photographic services	<1	4,359	10,159	20,176
Veterinary services	<1	18,210	21,964	35,462
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	48,613	82,448	160,632
Management of companies and enterprises	6	679,263	766,260	1,355,253
Office administrative services	2	124,023	41,830	111,057
Facilities support services	<1	1,642	2,370	5,514
Employment services	11	439,755	624,100	947,708
Business support services	2	86,047	71,047	132,552
Travel arrangement and reservation services	<1	16,604	21,299	52,731
Investigation and security services	<1	32,228	31,769	48,235
Services to buildings	3	75,684	102,894	194,684
Landscape and horticultural services	1	49,729	61,034	111,711

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Other support services	<1	20,369	25,852	52,166
Waste management and remediation services	<1	31,418	51,000	104,629
Elementary and secondary schools	1	32,343	27,332	34,789
Junior colleges, colleges, universities, and professional schools	15	466,259	634,141	938,604
Other educational services	2	77,779	86,560	159,072
Offices of physicians	3	366,138	381,133	524,642
Offices of dentists	1	77,260	93,556	130,900
Offices of other health practitioners	1	60,293	83,027	113,763
Outpatient care centers	<1	45,223	40,820	73,706
Medical and diagnostic laboratories	<1	10,854	14,830	21,315
Home health care services	1	52,590	49,960	63,130
Other ambulatory health care services	<1	21,494	23,626	39,130
Hospitals	5	338,111	389,041	800,697
Nursing and community care facilities	2	92,722	101,163	184,366
Residential mental retardation, mental health, substance abuse and other facilities	1	40,946	43,309	69,792
Individual and family services	4	100,454	81,100	128,894
Child day care services	2	34,547	42,120	65,610
Community food, housing, and other relief services, including rehabilitation services	1	30,710	30,187	72,357
Performing arts companies	<1	6,752	12,168	26,623
Commercial Sports Except Racing	<1	10,958	10,163	23,992
Racing and Track Operation	<1	1,524	3,147	6,229
Independent artists, writers, and performers	<1	3,934	19,687	31,966
Promoters of performing arts and sports and agents for public figures	<1	11,345	30,540	72,734
Museums, historical sites, zoos, and parks	<1	4,007	5,588	10,539
Amusement parks and arcades	<1	2,548	6,379	9,233
Gambling industries (except casino hotels)	<1	18,204	53,449	85,027
Other amusement and recreation industries	<1	13,930	18,750	37,544
Fitness and recreational sports centers	<1	9,972	16,862	34,362
Bowling centers	<1	2,162	3,799	7,768

Appendix

Hotels and motels, including casino hotels	<1	11,917	23,146	38,647
Other accommodations	<1	2,781	3,769	5,403
Full-service restaurants	6	129,876	190,583	361,976
Limited-service restaurants	5	93,330	150,605	354,269
All other food and drinking places	4	106,100	153,551	246,051
Automotive repair and maintenance, except car washes	2	100,528	117,681	177,566
Car washes	1	48,886	73,001	115,441
Electronic and precision equipment repair and maintenance	<1	23,661	28,088	49,461
Commercial and industrial machinery and equipment repair and maintenance	<1	60,999	53,706	86,668
Personal and household goods repair and maintenance	<1	11,327	20,184	30,493
Personal care services	1	41,258	37,665	51,061
Death care services	<1	11,664	7,587	11,400
Dry-cleaning and laundry services	<1	23,007	13,959	19,572
Other personal services	1	37,633	47,883	67,604
Religious organizations	3	124,127	66,715	256,815
Grantmaking, giving, and social advocacy organizations	<1	23,601	81,597	129,365
Business and professional associations	<1	28,037	51,894	89,449
Labor and civic organizations	<1	17,985	55,867	106,179
Private households	<1	9,619	9,618	9,618
Postal service	<1	60,000	60,034	64,295
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,605	-13,997	762
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	10,261	-949	19,402
Local government electric utilities	<1	10,533	32,463	61,786
Other local government enterprises	<1	37,819	87,699	172,112
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	337,919	588,388	1,346,071

Moon to Mars Campaign

Table 671: Detailed M2M Campaign Impacts by Types of Impact, Iowa

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3	170,223	257,866	511,719
Oilseed farming	<1	538	1,902	6,212
Grain farming	<1	162	146	1,540
Vegetable and melon farming	<1	3	5	18
Fruit farming	<1	2	3	8
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	14	19	65
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	9	11	41
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	54	92	478
Dairy cattle and milk production	<1	15	25	233
Poultry and egg production	<1	9	15	277
Animal production, except cattle and poultry and eggs	<1	158	388	1,039
Forestry, forest products, and timber tract production	<1	4	4	5
Commercial logging	<1	52	53	78
Commercial fishing	<1	<1	2	2
Commercial hunting and trapping	<1	1	<1	4
Support activities for agriculture and forestry	<1	83	72	88
Oil and gas extraction	<1	11	16	435

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	517	990	2,062
Sand and gravel mining	<1	101	158	322
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	1	4
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	2
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	5	18	36
Electric power generation - Fossil fuel	<1	241	961	2,272
Electric power generation - Nuclear	<1	99	238	482
Electric power generation - Solar	<1	2	8	16
Electric power generation - Wind	<1	17	160	298
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	<1	4	11
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	406	1,577	3,878
Natural gas distribution	<1	78	236	482
Water, sewage and other systems	<1	27	57	101
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	24,304	30,950	75,378
Maintenance and repair construction of residential structures	<1	200	255	624
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	<1	24	84	249
Other animal food manufacturing	<1	50	91	530
Flour milling	<1	7	15	91
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	77	245	1,067
Soybean and other oilseed processing	<1	16	102	685
Fats and oils refining and blending	<1	<1	<1	2
Breakfast cereal manufacturing	<1	87	244	546
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	6
Chocolate and confectionery manufacturing from cacao beans	<1	1	2	9
Confectionery manufacturing from purchased chocolate	<1	5	8	31
Frozen fruits, juices and vegetables manufacturing	<1	7	16	50
Frozen specialties manufacturing	<1	26	38	132
Canned fruits and vegetables manufacturing	<1	7	17	54

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	8	13	112
Dry, condensed, and evaporated dairy product manufacturing	<1	34	93	370
Fluid milk manufacturing	<1	17	31	170
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	18	28	90
Frozen cakes and other pastries manufacturing	<1	13	19	37
Poultry processing	<1	67	90	350
Animal, except poultry, slaughtering	<1	126	167	1,192
Meat processed from carcasses	<1	91	88	635
Rendering and meat byproduct processing	<1	2	2	10
Seafood product preparation and packaging	<1	<1	<1	<1
Bread and bakery product, except frozen, manufacturing	<1	30	44	124
Cookie and cracker manufacturing	<1	31	52	165
Dry pasta, mixes, and dough manufacturing	<1	5	13	42
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	4	4	22
Other snack food manufacturing	<1	4	8	27
Coffee and tea manufacturing	<1	<1	<1	4
Flavoring syrup and concentrate manufacturing	<1	2	14	31
Mayonnaise, dressing, and sauce manufacturing	<1	3	6	25
Spice and extract manufacturing	<1	14	27	105
All other food manufacturing	<1	40	63	234
Bottled and canned soft drinks & water	<1	39	73	315
Manufactured ice	<1	4	2	9
Breweries	<1	9	29	105
Wineries	<1	5	11	64
Distilleries	<1	2	15	31
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1

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Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	<1	<1	2
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	10	26	88
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	3	4	11
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	4	6	16
Hosiery and sock mills	<1	2	2	4
Other apparel knitting mills	<1	1	1	3
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	2	2	5
Leather and hide tanning and finishing	<1	1	1	7
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	56	83	318
Wood preservation	<1	5	13	52
Veneer and plywood manufacturing	<1	2	2	8
Engineered wood member and truss manufacturing	<1	61	86	241
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	257	347	824
Cut stock, resawing lumber, and planing	<1	1	2	6
Other millwork, including flooring	<1	37	55	136
Wood container and pallet manufacturing	<1	22	29	76
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	47	57	156
All other miscellaneous wood product manufacturing	<1	2	3	10
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	<1	<1	4	10
Paperboard container manufacturing	<1	58	145	404
Paper bag and coated and treated paper manufacturing	<1	50	162	342
Stationery product manufacturing	<1	8	18	56
Sanitary paper product manufacturing	<1	3	21	42
All other converted paper product manufacturing	<1	5	11	29
Printing	<1	417	707	1,341
Support activities for printing	<1	16	25	36
Petroleum refineries	<1	52	102	655
Asphalt paving mixture and block manufacturing	<1	307	363	687
Asphalt shingle and coating materials manufacturing	<1	222	332	537
Petroleum lubricating oil and grease manufacturing	<1	43	58	98
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	21	44	95
Synthetic dye and pigment manufacturing	<1	5	11	29
Other basic inorganic chemical manufacturing	<1	12	23	52
Other basic organic chemical manufacturing	<1	45	92	495
Plastics material and resin manufacturing	<1	45	66	207
Synthetic rubber manufacturing	<1	4	5	15
Artificial and synthetic fibers and filaments manufacturing	<1	2	2	5
Nitrogenous fertilizer manufacturing	<1	78	186	369
Phosphatic fertilizer manufacturing	<1	2	4	10
Fertilizer mixing	<1	1	3	7
Pesticide and other agricultural chemical manufacturing	<1	27	74	220
Medicinal and botanical manufacturing	<1	14	26	56
Pharmaceutical preparation manufacturing	<1	7	25	62
In-vitro diagnostic substance manufacturing	<1	1	2	4

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Biological product (except diagnostic) manufacturing	<1	48	110	206
Paint and coating manufacturing	<1	51	93	252
Adhesive manufacturing	<1	4	7	20
Soap and other detergent manufacturing	<1	5	15	38
Polish and other sanitation good manufacturing	<1	6	10	28
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	29	104	209
Printing ink manufacturing	<1	6	6	20
Explosives manufacturing	<1	1	1	3
Custom compounding of purchased resins	<1	4	8	21
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	11	19	50
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	26	39	116
Unlaminated plastics profile shape manufacturing	<1	3	6	21
Plastics pipe and pipe fitting manufacturing	<1	21	51	192
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	6	23
Polystyrene foam product manufacturing	<1	6	9	40
Urethane and other foam product (except polystyrene) manufacturing	<1	10	15	71
Plastics bottle manufacturing	<1	9	14	66
Other plastics product manufacturing	<1	168	234	771
Tire manufacturing	<1	88	129	534
Rubber and plastics hoses and belting manufacturing	<1	8	11	32
Other rubber product manufacturing	<1	18	25	94
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	1	2
Brick, tile, and other structural clay product manufacturing	<1	18	42	96
Flat glass manufacturing	<1	2	7	12
Other pressed and blown glass and glassware manufacturing	<1	6	14	26
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	9	20	41
Cement manufacturing	<1	61	221	445
Ready-mix concrete manufacturing	<1	326	751	1,925
Concrete block and brick manufacturing	<1	20	49	107
Concrete pipe manufacturing	<1	12	27	64
Other concrete product manufacturing	<1	75	131	306
Lime manufacturing	<1	6	21	42
Gypsum product manufacturing	<1	65	263	526
Abrasive product manufacturing	<1	13	52	72
Cut stone and stone product manufacturing	<1	15	21	44
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	7	23	38
Miscellaneous nonmetallic mineral products manufacturing	<1	1	4	7
Iron and steel mills and ferroalloy manufacturing	<1	44	73	502
Iron, steel pipe and tube manufacturing from purchased steel	<1	5	8	44
Rolled steel shape manufacturing	<1	4	7	45
Steel wire drawing	<1	6	8	35
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	135	232	1,063
Other aluminum rolling, drawing and extruding	<1	4	5	26
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	5	7	58
Nonferrous metal, except copper and aluminum, shaping	<1	2	2	7
Secondary processing of other nonferrous metals	<1	<1	<1	3
Ferrous metal foundries	<1	45	60	160
Nonferrous metal foundries	<1	13	17	48
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	4	4	13
Iron and steel forging	<1	<1	<1	3

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Nonferrous forging	<1	<1	<1	1
Cutlery, utensil, pot, and pan manufacturing	<1	3	6	15
Handtool manufacturing	<1	13	18	40
Prefabricated metal buildings and components manufacturing	<1	43	50	180
Fabricated structural metal manufacturing	<1	111	142	505
Plate work manufacturing	<1	12	13	41
Metal window and door manufacturing	<1	172	210	579
Sheet metal work manufacturing	<1	51	61	172
Ornamental and architectural metal work manufacturing	<1	47	55	177
Power boiler and heat exchanger manufacturing	<1	<1	<1	<1
Metal tank (heavy gauge) manufacturing	<1	8	9	29
Metal cans manufacturing	<1	1	3	15
Metal barrels, drums and pails manufacturing	<1	2	2	10
Hardware manufacturing	<1	16	22	75
Spring and wire product manufacturing	<1	12	14	53
Machine shops	<1	73	84	184
Turned product and screw, nut, and bolt manufacturing	<1	19	24	74
Metal heat treating	<1	9	12	33
Metal coating and nonprecious engraving	<1	19	29	91
Electroplating, anodizing, and coloring metal	<1	6	7	17
Valve and fittings, other than plumbing, manufacturing	<1	26	38	108
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	3	5	15
Small arms ammunition manufacturing	<1	4	7	17
Ammunition, except for small arms, manufacturing	<1	2	2	6
Small arms, ordnance, and accessories manufacturing	<1	<1	1	4
Fabricated pipe and pipe fitting manufacturing	<1	3	4	12
Other fabricated metal manufacturing	<1	15	19	56
Farm machinery and equipment manufacturing	<1	10	18	52

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Lawn and garden equipment manufacturing	<1	1	2	9
Construction machinery manufacturing	<1	10	26	59
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	2	5
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	5	10	33
Air purification and ventilation equipment manufacturing	<1	<1	1	3
Heating equipment (except warm air furnaces) manufacturing	<1	18	32	86
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	72	149	430
Industrial mold manufacturing	<1	3	3	7
Special tool, die, jig, and fixture manufacturing	<1	4	5	9
Cutting tool and machine tool accessory manufacturing	<1	2	3	6
Machine tool manufacturing	<1	10	13	43
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	2
Turbine and turbine generator set units manufacturing	<1	1	2	6
Speed changer, industrial high-speed drive, and gear manufacturing	<1	8	14	30
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	25	61	154

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Pump and pumping equipment manufacturing	<1	6	11	27
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	3	4	11
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	2
Industrial truck, trailer, and stacker manufacturing	<1	2	4	11
Power-driven handtool manufacturing	<1	<1	<1	<1
Welding and soldering equipment manufacturing	<1	4	7	14
Packaging machinery manufacturing	<1	1	2	4
Industrial process furnace and oven manufacturing	<1	<1	1	2
Fluid power cylinder and actuator manufacturing	<1	12	18	49
Fluid power pump and motor manufacturing	<1	11	20	53
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	4	11
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	<1	2	3	9
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	4
Bare printed circuit board manufacturing	<1	<1	<1	<1
Semiconductor and related device manufacturing	<1	1	2	6

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	2	7
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	1	4
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	2	3	6
Automatic environmental control manufacturing	<1	3	3	9
Industrial process variable instruments manufacturing	<1	3	4	13
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	1	2	5
Lighting fixture manufacturing	<1	104	147	409
Small electrical appliance manufacturing	<1	2	5	16
Household cooking appliance manufacturing	<1	9	21	64
Household refrigerator and home freezer manufacturing	<1	11	27	81
Household laundry equipment manufacturing	<1	22	39	157
Other major household appliance manufacturing	<1	12	32	88
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	1
Motor and generator manufacturing	<1	3	6	19
Switchgear and switchboard apparatus manufacturing	<1	18	30	74

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Relay and industrial control manufacturing	<1	1	2	5
Storage battery manufacturing	<1	25	33	96
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	4	5	29
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	3	6	20
Carbon and graphite product manufacturing	<1	1	2	7
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	<1	2	3	22
Light truck and utility vehicle manufacturing	<1	2	3	51
Heavy duty truck manufacturing	<1	<1	<1	4
Motor vehicle body manufacturing	<1	6	7	27
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	<1	36	41	178
Travel trailer and camper manufacturing	<1	26	28	120
Motor vehicle gasoline engine and engine parts manufacturing	<1	9	11	69
Motor vehicle electrical and electronic equipment manufacturing	<1	26	28	153
Motor vehicle transmission and power train parts manufacturing	<1	21	26	140
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	5
Motor vehicle metal stamping	<1	14	15	68
Other motor vehicle parts manufacturing	<1	24	24	143
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2	3	43
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	9	15	47
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	7
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	0	0	0	0
Boat building	<1	4	6	22
Motorcycle, bicycle, and parts manufacturing	<1	<1	1	3
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	14	25	121
Wood kitchen cabinet and countertop manufacturing	<1	47	68	152
Upholstered household furniture manufacturing	<1	1	2	3
Nonupholstered wood household furniture manufacturing	<1	1	1	4
Other household nonupholstered furniture manufacturing	<1	3	6	10
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	<1	14	29	72
Showcase, partition, shelving, and locker manufacturing	<1	1	2	5
Mattress manufacturing	<1	1	3	10
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	2	1	4
Surgical appliance and supplies manufacturing	<1	7	6	16
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	5	5	8
Jewelry and silverware manufacturing	<1	3	5	14
Sporting and athletic goods manufacturing	<1	9	9	25
Doll, toy, and game manufacturing	<1	2	2	7
Office supplies (except paper) manufacturing	<1	2	2	6
Sign manufacturing	<1	18	16	30
Gasket, packing, and sealing device manufacturing	<1	3	3	7

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Musical instrument manufacturing	<1	3	3	6
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	<1
Broom, brush, and mop manufacturing	<1	29	24	66
Burial casket manufacturing	<1	5	5	8
All other miscellaneous manufacturing	<1	12	11	26
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	181	365	875
Wholesale - Professional and commercial equipment and supplies	<1	342	504	916
Wholesale - Household appliances and electrical and electronic goods	<1	315	643	1,479
Wholesale - Machinery, equipment, and supplies	<1	506	872	1,558
Wholesale - Other durable goods merchant wholesalers	<1	917	1,424	2,841
Wholesale - Drugs and druggists' sundries	<1	248	621	1,119
Wholesale - Grocery and related product wholesalers	<1	245	316	612
Wholesale - Petroleum and petroleum products	<1	142	1,897	2,243
Wholesale - Other nondurable goods merchant wholesalers	<1	1,108	2,087	3,786
Wholesale - Wholesale electronic markets and agents and brokers	<1	258	266	309
Retail - Motor vehicle and parts dealers	<1	483	720	1,092
Retail - Furniture and home furnishings stores	<1	248	311	539
Retail - Electronics and appliance stores	<1	313	295	536
Retail - Building material and garden equipment and supplies stores	<1	2,248	3,816	5,831
Retail - Food and beverage stores	<1	812	1,070	1,916
Retail - Health and personal care stores	<1	418	510	825
Retail - Gasoline stores	<1	307	504	1,066
Retail - Clothing and clothing accessories stores	<1	250	357	777
Retail - Sporting goods, hobby, musical instrument and book stores	<1	230	290	513
Retail - General merchandise stores	<1	842	1,099	1,926

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Retail - Miscellaneous store retailers	<1	375	444	820
Retail - Nonstore retailers	<1	345	1,133	3,178
Air transportation	<1	54	165	345
Rail transportation	<1	213	635	982
Water transportation	<1	16	20	123
Truck transportation	<1	6,120	7,113	13,651
Transit and ground passenger transportation	<1	170	217	322
Pipeline transportation	<1	91	186	232
Scenic and sightseeing transportation and support activities for transportation	<1	626	704	1,570
Couriers and messengers	<1	396	525	886
Warehousing and storage	<1	942	1,052	1,939
Newspaper publishers	<1	187	365	465
Periodical publishers	<1	386	685	912
Book publishers	<1	103	379	587
Directory, mailing list, and other publishers	<1	113	389	546
Greeting card publishing	0	0	0	0
Software publishers	<1	227	613	685
Motion picture and video industries	<1	99	264	662
Sound recording industries	<1	14	110	222
Radio and television broadcasting	<1	379	493	1,528
Cable and other subscription programming	<1	2	9	25
Wired telecommunications carriers	<1	679	1,247	2,243
Wireless telecommunications carriers (except satellite)	<1	143	724	1,864
Satellite, telecommunications resellers, and all other telecommunications	<1	165	211	402
Data processing, hosting, and related services	<1	457	979	2,328
News syndicates, libraries, archives and all other information services	<1	13	21	51
Internet publishing and broadcasting and web search portals	<1	417	882	2,266
Nondepository credit intermediation and related activities	<1	1,001	1,262	1,972
Securities and commodity contracts intermediation and brokerage	<1	709	587	1,585

Appendix

Monetary authorities and depository credit intermediation	<1	3,090	8,329	13,987
Other financial investment activities	<1	622	735	2,563
Direct life insurance carriers	<1	340	1,132	1,291
Insurance carriers, except direct life	<1	691	4,844	6,511
Insurance agencies, brokerages, and related activities	<1	657	1,758	3,116
Funds, trusts, and other financial vehicles	<1	195	273	1,279
Other real estate	<1	1,890	7,480	18,844
Tenant-occupied housing	<1	146	2,884	3,233
Owner-occupied dwellings	0	0	9,359	11,881
Automotive equipment rental and leasing	<1	134	317	490
General and consumer goods rental except video tapes and discs	<1	169	219	381
Video tape and disc rental	<1	38	65	105
Commercial and industrial machinery and equipment rental and leasing	<1	497	1,090	1,673
Lessors of nonfinancial intangible assets	<1	13	322	376
Legal services	<1	1,922	3,037	4,513
Accounting, tax preparation, bookkeeping, and payroll services	<1	872	1,138	1,687
Architectural, engineering, and related services	<1	1,180	1,305	2,308
Specialized design services	<1	46	74	119
Custom computer programming services	<1	502	541	766
Computer systems design services	<1	400	393	520
Other computer related services, including facilities management	<1	223	345	615
Management consulting services	<1	1,719	1,801	2,957
Environmental and other technical consulting services	<1	254	270	429
Scientific research and development services	<1	40,968	57,038	116,502
Advertising, public relations, and related services	<1	795	1,114	2,065
Photographic services	<1	30	74	140
Veterinary services	<1	142	176	277
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	243	425	806

Appendix

Management of companies and enterprises	<1	4,119	4,673	8,122
Office administrative services	<1	1,041	377	919
Facilities support services	<1	13	19	41
Employment services	<1	2,697	3,899	5,688
Business support services	<1	556	467	839
Travel arrangement and reservation services	<1	103	133	326
Investigation and security services	<1	295	292	430
Services to buildings	<1	600	830	1,505
Landscape and horticultural services	<1	425	526	939
Other support services	<1	161	207	407
Waste management and remediation services	<1	297	481	975
Elementary and secondary schools	<1	329	279	350
Junior colleges, colleges, universities, and professional schools	<1	651	884	1,257
Other educational services	<1	22,659	25,588	46,375
Offices of physicians	<1	3,013	3,151	4,336
Offices of dentists	<1	643	791	1,095
Offices of other health practitioners	<1	490	690	937
Outpatient care centers	<1	382	347	634
Medical and diagnostic laboratories	<1	92	129	182
Home health care services	<1	436	416	529
Other ambulatory health care services	<1	180	200	328
Hospitals	<1	3,148	3,596	7,364
Nursing and community care facilities	<1	794	867	1,550
Residential mental retardation, mental health, substance abuse and other facilities	<1	387	411	651
Individual and family services	<1	884	720	1,133
Child day care services	<1	304	375	575
Community food, housing, and other relief services, including rehabilitation services	<1	291	287	673
Performing arts companies	<1	63	112	230
Commercial Sports Except Racing	<1	96	86	201
Racing and Track Operation	<1	14	29	52
Independent artists, writers, and performers	<1	39	179	285

Appendix

Promoters of performing arts and sports and agents for public figures	<1	100	263	595
Museums, historical sites, zoos, and parks	<1	34	47	87
Amusement parks and arcades	<1	24	53	77
Gambling industries (except casino hotels)	<1	160	457	718
Other amusement and recreation industries	<1	115	148	293
Fitness and recreational sports centers	<1	90	145	291
Bowling centers	<1	18	31	62
Hotels and motels, including casino hotels	<1	117	223	368
Other accommodations	<1	29	39	55
Full-service restaurants	<1	1,049	1,556	2,898
Limited-service restaurants	<1	775	1,260	2,886
All other food and drinking places	<1	774	1,121	1,760
Automotive repair and maintenance, except car washes	<1	1,092	1,223	1,843
Car washes	<1	431	640	1,006
Electronic and precision equipment repair and maintenance	<1	173	207	357
Commercial and industrial machinery and equipment repair and maintenance	<1	576	500	792
Personal and household goods repair and maintenance	<1	95	165	248
Personal care services	<1	363	320	435
Death care services	<1	112	63	98
Dry-cleaning and laundry services	<1	180	95	138
Other personal services	<1	294	370	518
Religious organizations	<1	1,111	519	2,208
Grantmaking, giving, and social advocacy organizations	<1	231	748	1,191
Business and professional associations	<1	250	440	749
Labor and civic organizations	<1	172	502	972
Private households	<1	87	87	87
Postal service	<1	620	620	664
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	15	-149	7
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	84	-8	126
Local government electric utilities	<1	77	226	426
Other local government enterprises	<1	265	584	1,143
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 672: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Iowa

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	35	1,683,939	2,644,690	5,162,187
Oilseed farming	<1	5,562	11,683	32,135
Grain farming	<1	2,331	1,663	22,074
Vegetable and melon farming	<1	33	56	204
Fruit farming	<1	15	27	76
Tree nut farming	<1	<1	2	5
Greenhouse, nursery, and floriculture production	<1	154	212	762
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	105	135	511
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	748	1,687	9,793

Appendix

Dairy cattle and milk production	<1	183	341	3,386
Poultry and egg production	<1	172	237	5,398
Animal production, except cattle and poultry and eggs	<1	4,023	7,511	19,150
Forestry, forest products, and timber tract production	<1	34	39	49
Commercial logging	<1	93	94	147
Commercial fishing	<1	2	26	39
Commercial hunting and trapping	<1	10	<1	55
Support activities for agriculture and forestry	<1	1,385	1,212	1,486
Oil and gas extraction	<1	167	198	5,459
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	311	843	1,643
Sand and gravel mining	<1	222	410	850
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	6	10	26
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	<1	<1	23
Other nonmetallic minerals services	<1	<1	<1	7
Electric power generation - Hydroelectric	<1	63	205	422
Electric power generation - Fossil fuel	<1	2,022	8,839	23,466
Electric power generation - Nuclear	<1	1,143	2,763	6,074
Electric power generation - Solar	<1	21	86	184
Electric power generation - Wind	<1	314	2,853	5,738
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	8	40	130
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	4,493	18,117	47,730
Natural gas distribution	<1	1,303	3,829	8,411
Water, sewage and other systems	<1	868	1,899	3,604
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	7,152	9,080	23,107
Maintenance and repair construction of residential structures	<1	2,106	2,670	6,787
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	6	16
Dog and cat food manufacturing	<1	308	995	3,145
Other animal food manufacturing	<1	748	1,286	8,130
Flour milling	<1	131	279	1,669
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	953	2,819	12,773
Soybean and other oilseed processing	<1	180	1,144	7,946
Fats and oils refining and blending	<1	<1	2	21
Breakfast cereal manufacturing	<1	1,059	2,882	7,010
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4	7	68
Chocolate and confectionery manufacturing from cacao beans	<1	11	18	72
Confectionery manufacturing from purchased chocolate	<1	77	115	459
Frozen fruits, juices and vegetables manufacturing	<1	83	180	641
Frozen specialties manufacturing	<1	332	500	1,790
Canned fruits and vegetables manufacturing	<1	68	153	502
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	91	141	1,240
Dry, condensed, and evaporated dairy product manufacturing	<1	499	1,363	6,189
Fluid milk manufacturing	<1	264	459	2,669
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	354	520	1,888
Frozen cakes and other pastries manufacturing	<1	210	302	610
Poultry processing	<1	1,218	1,552	6,339
Animal, except poultry, slaughtering	<1	2,876	3,767	27,445
Meat processed from carcasses	<1	999	955	7,111
Rendering and meat byproduct processing	<1	20	19	120
Seafood product preparation and packaging	<1	1	2	20
Bread and bakery product, except frozen, manufacturing	<1	496	720	2,067
Cookie and cracker manufacturing	<1	329	510	1,885
Dry pasta, mixes, and dough manufacturing	<1	60	152	465
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	37	43	234
Other snack food manufacturing	<1	50	98	346
Coffee and tea manufacturing	<1	5	10	77
Flavoring syrup and concentrate manufacturing	<1	16	154	331
Mayonnaise, dressing, and sauce manufacturing	<1	43	94	420
Spice and extract manufacturing	<1	180	329	1,409
All other food manufacturing	<1	360	573	2,268

Appendix

Bottled and canned soft drinks & water	<1	486	882	3,990
Manufactured ice	<1	41	26	117
Breweries	<1	185	544	2,052
Wineries	<1	37	75	469
Distilleries	<1	32	200	453
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	1	2	5
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	2	4	11
Textile and fabric finishing mills	<1	<1	1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	94	193	855
Curtain and linen mills	<1	3	4	17
Textile bag and canvas mills	<1	18	23	62
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	31	41	120
Hosiery and sock mills	<1	18	17	48
Other apparel knitting mills	<1	13	13	33
Cut and sew apparel contractors	<1	2	2	4
Mens and boys cut and sew apparel manufacturing	<1	4	4	10
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	12	12	46
Apparel accessories and other apparel manufacturing	<1	11	10	33
Leather and hide tanning and finishing	<1	15	12	87
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	1	1	4
Sawmills	<1	97	145	550
Wood preservation	<1	9	23	84
Veneer and plywood manufacturing	<1	4	6	21
Engineered wood member and truss manufacturing	<1	76	108	302
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,144	1,540	3,747

Appendix

Cut stock, resawing lumber, and planing	<1	3	5	15
Other millwork, including flooring	<1	88	134	347
Wood container and pallet manufacturing	<1	192	255	683
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	37	49	129
All other miscellaneous wood product manufacturing	<1	16	23	88
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	17	87	193
Paperboard container manufacturing	<1	375	955	2,714
Paper bag and coated and treated paper manufacturing	<1	477	1,685	3,606
Stationery product manufacturing	<1	102	251	803
Sanitary paper product manufacturing	<1	44	307	566
All other converted paper product manufacturing	<1	66	154	395
Printing	<1	2,928	4,681	10,054
Support activities for printing	<1	89	134	201
Petroleum refineries	<1	351	670	4,373
Asphalt paving mixture and block manufacturing	<1	209	236	482
Asphalt shingle and coating materials manufacturing	<1	139	192	326
Petroleum lubricating oil and grease manufacturing	<1	363	499	899
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	361	747	1,604
Synthetic dye and pigment manufacturing	<1	46	90	214
Other basic inorganic chemical manufacturing	<1	149	248	579
Other basic organic chemical manufacturing	<1	769	1,555	7,411
Plastics material and resin manufacturing	<1	548	763	2,183
Synthetic rubber manufacturing	<1	33	42	121
Artificial and synthetic fibers and filaments manufacturing	<1	9	11	26

Appendix

Nitrogenous fertilizer manufacturing	<1	308	690	1,534
Phosphatic fertilizer manufacturing	<1	14	22	55
Fertilizer mixing	<1	7	12	33
Pesticide and other agricultural chemical manufacturing	<1	664	1,776	5,023
Medicinal and botanical manufacturing	<1	72	130	316
Pharmaceutical preparation manufacturing	<1	52	161	435
In-vitro diagnostic substance manufacturing	<1	4	5	12
Biological product (except diagnostic) manufacturing	<1	242	519	1,061
Paint and coating manufacturing	<1	117	198	552
Adhesive manufacturing	<1	6	10	29
Soap and other detergent manufacturing	<1	48	121	403
Polish and other sanitation good manufacturing	<1	55	83	269
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	198	645	1,383
Printing ink manufacturing	<1	30	33	104
Explosives manufacturing	<1	6	6	18
Custom compounding of purchased resins	<1	11	18	54
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	71	110	292
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	141	220	669
Unlaminated plastics profile shape manufacturing	<1	21	43	152
Plastics pipe and pipe fitting manufacturing	<1	34	84	307
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	36	64	219
Polystyrene foam product manufacturing	<1	34	56	239
Urethane and other foam product (except polystyrene) manufacturing	<1	43	66	314
Plastics bottle manufacturing	<1	73	112	559
Other plastics product manufacturing	<1	795	1,107	3,875

Appendix

Tire manufacturing	<1	726	1,055	4,324
Rubber and plastics hoses and belting manufacturing	<1	83	119	351
Other rubber product manufacturing	<1	186	257	931
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	5	10
Brick, tile, and other structural clay product manufacturing	<1	46	114	242
Flat glass manufacturing	<1	19	60	105
Other pressed and blown glass and glassware manufacturing	<1	70	176	314
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	93	227	445
Cement manufacturing	<1	73	287	556
Ready-mix concrete manufacturing	<1	429	1,032	2,605
Concrete block and brick manufacturing	<1	42	115	237
Concrete pipe manufacturing	<1	16	39	84
Other concrete product manufacturing	<1	169	311	694
Lime manufacturing	<1	41	149	292
Gypsum product manufacturing	<1	91	415	772
Abrasive product manufacturing	<1	41	192	255
Cut stone and stone product manufacturing	<1	111	152	326
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	25	91	150
Miscellaneous nonmetallic mineral products manufacturing	<1	2	12	20
Iron and steel mills and ferroalloy manufacturing	<1	185	358	2,073
Iron, steel pipe and tube manufacturing from purchased steel	<1	13	23	117
Rolled steel shape manufacturing	<1	16	34	176
Steel wire drawing	<1	10	15	62
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	316	627	2,370
Other aluminum rolling, drawing and extruding	<1	11	16	77

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	18	27	225
Nonferrous metal, except copper and aluminum, shaping	<1	8	9	36
Secondary processing of other nonferrous metals	<1	2	4	23
Ferrous metal foundries	<1	37	58	137
Nonferrous metal foundries	<1	53	75	209
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	23	28	86
Iron and steel forging	<1	2	3	13
Nonferrous forging	<1	<1	<1	4
Cutlery, utensil, pot, and pan manufacturing	<1	22	44	114
Handtool manufacturing	<1	66	95	225
Prefabricated metal buildings and components manufacturing	<1	69	91	303
Fabricated structural metal manufacturing	<1	245	328	1,167
Plate work manufacturing	<1	45	49	157
Metal window and door manufacturing	<1	186	233	656
Sheet metal work manufacturing	<1	87	107	311
Ornamental and architectural metal work manufacturing	<1	74	89	294
Power boiler and heat exchanger manufacturing	<1	<1	<1	2
Metal tank (heavy gauge) manufacturing	<1	8	10	33
Metal cans manufacturing	<1	12	23	133
Metal barrels, drums and pails manufacturing	<1	15	17	78
Hardware manufacturing	<1	41	57	196
Spring and wire product manufacturing	<1	25	32	120
Machine shops	<1	317	368	829
Turned product and screw, nut, and bolt manufacturing	<1	36	48	152
Metal heat treating	<1	16	21	61
Metal coating and nonprecious engraving	<1	37	56	174
Electroplating, anodizing, and coloring metal	<1	15	17	41
Valve and fittings, other than plumbing, manufacturing	<1	98	137	404

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	18	29	98
Small arms ammunition manufacturing	<1	38	66	189
Ammunition, except for small arms, manufacturing	<1	19	22	53
Small arms, ordnance, and accessories manufacturing	<1	6	10	30
Fabricated pipe and pipe fitting manufacturing	<1	2	3	9
Other fabricated metal manufacturing	<1	60	74	227
Farm machinery and equipment manufacturing	<1	101	189	552
Lawn and garden equipment manufacturing	<1	7	14	56
Construction machinery manufacturing	<1	67	161	421
Mining machinery and equipment manufacturing	<1	<1	1	3
Oil and gas field machinery and equipment manufacturing	<1	2	4	12
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	2	2	7
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	3	4	12
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	29	49	175
Air purification and ventilation equipment manufacturing	<1	6	8	24
Heating equipment (except warm air furnaces) manufacturing	<1	81	130	414
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	138	265	843
Industrial mold manufacturing	<1	19	23	50
Special tool, die, jig, and fixture manufacturing	<1	7	9	17

Appendix

Cutting tool and machine tool accessory manufacturing	<1	10	12	28
Machine tool manufacturing	<1	2	3	9
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	2
Turbine and turbine generator set units manufacturing	<1	10	13	57
Speed changer, industrial high-speed drive, and gear manufacturing	<1	83	128	317
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	137	299	1,006
Pump and pumping equipment manufacturing	<1	8	14	37
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	<1	<1	<1	1
Conveyor and conveying equipment manufacturing	<1	11	12	36
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	3	10
Industrial truck, trailer, and stacker manufacturing	<1	17	29	96
Power-driven handtool manufacturing	<1	<1	<1	1
Welding and soldering equipment manufacturing	<1	8	12	33
Packaging machinery manufacturing	<1	5	8	19
Industrial process furnace and oven manufacturing	<1	1	2	3
Fluid power cylinder and actuator manufacturing	<1	42	62	167
Fluid power pump and motor manufacturing	<1	10	16	46
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	8	27
Electronic computer manufacturing	<1	2	3	18
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	1	5
Other communications equipment manufacturing	<1	4	6	17
Audio and video equipment manufacturing	<1	1	2	6
Printed circuit assembly (electronic assembly) manufacturing	<1	1	2	16
Bare printed circuit board manufacturing	<1	1	1	5
Semiconductor and related device manufacturing	<1	4	7	21
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	4	6	19
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	5	7	25
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	3	6
Search, detection, and navigation instruments manufacturing	<1	6	10	22
Automatic environmental control manufacturing	<1	2	2	6
Industrial process variable instruments manufacturing	<1	10	15	47
Totalizing fluid meter and counting device manufacturing	<1	2	4	9
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	3
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	7	13	36
Lighting fixture manufacturing	<1	76	109	318
Small electrical appliance manufacturing	<1	8	17	59

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Household cooking appliance manufacturing	<1	90	180	599
Household refrigerator and home freezer manufacturing	<1	98	204	653
Household laundry equipment manufacturing	<1	225	365	1,530
Other major household appliance manufacturing	<1	47	103	309
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	21	34	119
Switchgear and switchboard apparatus manufacturing	<1	29	47	123
Relay and industrial control manufacturing	<1	5	6	21
Storage battery manufacturing	<1	170	237	710
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2	3	17
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	3	6	22
Carbon and graphite product manufacturing	<1	16	26	86
All other miscellaneous electrical equipment and component manufacturing	<1	<1	1	4
Automobile manufacturing	<1	23	42	293
Light truck and utility vehicle manufacturing	<1	92	151	1,938
Heavy duty truck manufacturing	<1	5	8	66
Motor vehicle body manufacturing	<1	94	108	422
Truck trailer manufacturing	<1	3	3	15
Motor home manufacturing	<1	858	1,126	4,681
Travel trailer and camper manufacturing	<1	414	453	1,931
Motor vehicle gasoline engine and engine parts manufacturing	<1	67	85	514
Motor vehicle electrical and electronic equipment manufacturing	<1	240	286	1,782
Motor vehicle transmission and power train parts manufacturing	<1	64	82	548
Motor vehicle seating and interior trim manufacturing	<1	5	6	42
Motor vehicle metal stamping	<1	301	337	1,652
Other motor vehicle parts manufacturing	<1	234	283	1,433

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	7	10	139
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	3	6	20
Other aircraft parts and auxiliary equipment manufacturing	<1	2	2	6
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	5	5	24
Ship building and repairing	0	0	0	0
Boat building	<1	70	90	356
Motorcycle, bicycle, and parts manufacturing	<1	3	8	24
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	140	231	1,181
Wood kitchen cabinet and countertop manufacturing	<1	161	276	596
Upholstered household furniture manufacturing	<1	10	12	25
Nonupholstered wood household furniture manufacturing	<1	10	14	40
Other household nonupholstered furniture manufacturing	<1	25	47	91
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	2	2	7
Office furniture, except wood, manufacturing	<1	80	184	432
Showcase, partition, shelving, and locker manufacturing	<1	6	12	33
Mattress manufacturing	<1	15	36	108
Blind and shade manufacturing	<1	2	2	6
Surgical and medical instrument manufacturing	<1	14	11	34
Surgical appliance and supplies manufacturing	<1	49	38	119
Dental equipment and supplies manufacturing	<1	<1	<1	2

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Ophthalmic goods manufacturing	<1	6	5	16
Dental laboratories	<1	41	41	63
Jewelry and silverware manufacturing	<1	36	53	161
Sporting and athletic goods manufacturing	<1	88	81	253
Doll, toy, and game manufacturing	<1	20	16	59
Office supplies (except paper) manufacturing	<1	20	18	65
Sign manufacturing	<1	254	208	408
Gasket, packing, and sealing device manufacturing	<1	37	35	88
Musical instrument manufacturing	<1	16	16	30
Fasteners, buttons, needles, and pins manufacturing	<1	3	3	7
Broom, brush, and mop manufacturing	<1	152	95	351
Burial casket manufacturing	<1	107	103	187
All other miscellaneous manufacturing	<1	117	110	267
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,332	2,711	6,471
Wholesale - Professional and commercial equipment and supplies	<1	2,721	4,032	7,452
Wholesale - Household appliances and electrical and electronic goods	<1	1,367	2,913	6,777
Wholesale - Machinery, equipment, and supplies	<1	3,241	5,733	10,213
Wholesale - Other durable goods merchant wholesalers	<1	3,573	5,629	11,323
Wholesale - Drugs and druggists' sundries	<1	2,499	6,448	11,844
Wholesale - Grocery and related product wholesalers	<1	3,511	4,573	8,953
Wholesale - Petroleum and petroleum products	<1	888	8,671	10,563
Wholesale - Other nondurable goods merchant wholesalers	<1	10,302	18,525	34,851
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,169	2,234	2,608
Retail - Motor vehicle and parts dealers	<1	4,896	7,293	11,188
Retail - Furniture and home furnishings stores	<1	2,153	2,697	4,781
Retail - Electronics and appliance stores	<1	2,793	2,577	4,836

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Retail - Building material and garden equipment and supplies stores	<1	3,127	5,377	8,362
Retail - Food and beverage stores	<1	8,016	10,712	19,684
Retail - Health and personal care stores	<1	4,723	5,744	9,349
Retail - Gasoline stores	<1	2,272	4,002	9,054
Retail - Clothing and clothing accessories stores	<1	2,635	3,840	8,726
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,014	2,548	4,650
Retail - General merchandise stores	<1	8,776	11,357	20,039
Retail - Miscellaneous store retailers	<1	3,087	3,708	7,203
Retail - Nonstore retailers	<1	3,012	9,386	27,462
Air transportation	<1	608	1,738	3,772
Rail transportation	<1	1,344	4,835	6,888
Water transportation	<1	141	176	1,174
Truck transportation	<1	10,767	12,835	25,308
Transit and ground passenger transportation	<1	1,309	1,639	2,653
Pipeline transportation	<1	1,907	2,984	3,718
Scenic and sightseeing transportation and support activities for transportation	<1	6,546	7,327	16,132
Couriers and messengers	<1	2,586	3,380	5,790
Warehousing and storage	<1	6,679	7,457	14,000
Newspaper publishers	<1	1,931	3,704	4,830
Periodical publishers	<1	2,368	4,135	5,968
Book publishers	<1	675	2,516	3,970
Directory, mailing list, and other publishers	<1	1,166	3,794	5,379
Greeting card publishing	0	0	0	0
Software publishers	<1	2,090	5,492	6,216
Motion picture and video industries	<1	691	1,813	5,642
Sound recording industries	<1	71	509	1,172
Radio and television broadcasting	<1	2,387	3,387	15,258
Cable and other subscription programming	<1	6	50	184
Wired telecommunications carriers	<1	6,521	12,346	22,930
Wireless telecommunications carriers (except satellite)	<1	1,375	6,613	17,999

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Satellite, telecommunications resellers, and all other telecommunications	<1	1,246	1,675	3,527
Data processing, hosting, and related services	<1	4,084	8,827	24,893
News syndicates, libraries, archives and all other information services	<1	119	180	485
Internet publishing and broadcasting and web search portals	<1	1,766	3,817	16,569
Nondepository credit intermediation and related activities	<1	8,904	10,992	18,428
Securities and commodity contracts intermediation and brokerage	<1	6,141	5,288	17,113
Monetary authorities and depository credit intermediation	<1	34,616	86,633	153,771
Other financial investment activities	<1	4,420	5,434	23,205
Direct life insurance carriers	<1	4,176	13,144	15,962
Insurance carriers, except direct life	<1	7,499	48,298	71,050
Insurance agencies, brokerages, and related activities	<1	6,037	15,768	29,264
Funds, trusts, and other financial vehicles	<1	1,841	2,481	13,938
Other real estate	2	23,748	97,624	274,791
Tenant-occupied housing	<1	1,472	26,623	30,931
Owner-occupied dwellings	0	0	89,359	113,437
Automotive equipment rental and leasing	<1	781	2,503	4,127
General and consumer goods rental except video tapes and discs	<1	2,007	2,873	5,315
Video tape and disc rental	<1	415	721	1,184
Commercial and industrial machinery and equipment rental and leasing	<1	1,376	3,804	6,025
Lessors of nonfinancial intangible assets	<1	158	3,632	4,264
Legal services	<1	27,842	42,883	65,280
Accounting, tax preparation, bookkeeping, and payroll services	<1	8,060	9,977	15,512
Architectural, engineering, and related services	<1	14,842	15,888	28,932
Specialized design services	<1	445	657	1,139
Custom computer programming services	<1	4,035	4,419	6,525

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Computer systems design services	<1	3,641	3,550	4,809
Other computer related services, including facilities management	<1	1,512	2,354	4,395
Management consulting services	<1	20,739	21,580	36,983
Environmental and other technical consulting services	<1	2,775	2,913	4,736
Scientific research and development services	9	626,352	903,681	1,903,780
Advertising, public relations, and related services	<1	7,207	9,708	19,507
Photographic services	<1	363	798	1,672
Veterinary services	<1	1,558	1,840	3,025
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,581	5,924	12,239
Management of companies and enterprises	<1	47,552	53,656	97,037
Office administrative services	<1	8,574	2,900	7,934
Facilities support services	<1	131	191	462
Employment services	<1	33,160	46,824	73,389
Business support services	<1	7,317	6,007	11,635
Travel arrangement and reservation services	<1	1,318	1,697	4,282
Investigation and security services	<1	2,709	2,663	4,152
Services to buildings	<1	7,162	9,731	18,952
Landscape and horticultural services	<1	4,194	5,152	9,605
Other support services	<1	1,856	2,362	4,929
Waste management and remediation services	<1	2,767	4,488	9,313
Elementary and secondary schools	<1	2,603	2,222	2,849
Junior colleges, colleges, universities, and professional schools	10	321,470	437,878	645,087
Other educational services	<1	4,027	4,485	8,244
Offices of physicians	<1	33,228	34,471	47,665
Offices of dentists	<1	6,835	8,182	11,521
Offices of other health practitioners	<1	5,481	7,415	10,196
Outpatient care centers	<1	3,802	3,417	6,205
Medical and diagnostic laboratories	<1	963	1,294	1,892
Home health care services	<1	4,857	4,599	5,873
Other ambulatory health care services	<1	1,906	2,081	3,470

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Hospitals	<1	27,922	32,198	66,995
Nursing and community care facilities	<1	7,912	8,625	16,037
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,271	3,457	5,645
Individual and family services	<1	7,871	6,260	10,095
Child day care services	<1	2,942	3,473	5,548
Community food, housing, and other relief services, including rehabilitation services	<1	2,389	2,340	5,728
Performing arts companies	<1	524	964	2,208
Commercial Sports Except Racing	<1	920	885	2,118
Racing and Track Operation	<1	126	271	566
Independent artists, writers, and performers	<1	287	1,571	2,578
Promoters of performing arts and sports and agents for public figures	<1	857	2,394	5,921
Museums, historical sites, zoos, and parks	<1	324	454	874
Amusement parks and arcades	<1	210	560	824
Gambling industries (except casino hotels)	<1	1,484	4,261	6,973
Other amusement and recreation industries	<1	1,168	1,578	3,274
Fitness and recreational sports centers	<1	805	1,373	2,890
Bowling centers	<1	182	323	679
Hotels and motels, including casino hotels	<1	1,016	2,011	3,399
Other accommodations	<1	202	276	400
Full-service restaurants	<1	11,700	16,963	32,977
Limited-service restaurants	<1	8,227	13,124	31,875
All other food and drinking places	<1	8,745	12,643	20,591
Automotive repair and maintenance, except car washes	<1	8,590	10,438	15,777
Car washes	<1	4,160	6,244	9,939
Electronic and precision equipment repair and maintenance	<1	2,132	2,510	4,533
Commercial and industrial machinery and equipment repair and maintenance	<1	5,468	4,806	7,939
Personal and household goods repair and maintenance	<1	992	1,831	2,792
Personal care services	<1	3,439	3,229	4,388
Death care services	<1	965	707	1,037

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Dry-cleaning and laundry services	<1	2,035	1,396	1,910
Other personal services	<1	3,068	3,943	5,629
Religious organizations	<1	10,026	6,142	21,852
Grantmaking, giving, and social advocacy organizations	<1	1,748	6,342	10,020
Business and professional associations	<1	2,234	4,264	7,389
Labor and civic organizations	<1	1,405	4,562	8,566
Private households	<1	818	818	818
Postal service	<1	5,512	5,516	5,912
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	161	-1,220	68
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	968	-71	2,468
Local government electric utilities	<1	904	3,088	5,929
Other local government enterprises	<1	4,251	10,511	20,587
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Kansas

NASA

Table 673: Detailed NASA Impacts by Types of Impact, Kansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	117	7,282,545	10,480,778	22,243,077
Oilseed farming	<1	3,877	21,542	50,220
Grain farming	<1	6,359	7,465	68,695
Vegetable and melon farming	<1	247	479	1,234
Fruit farming	<1	51	107	207
Tree nut farming	<1	50	109	205
Greenhouse, nursery, and floriculture production	<1	723	1,046	2,534
Tobacco farming	0	0	0	0
Cotton farming	<1	223	311	743
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,309	1,830	4,736
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,373	11,108	58,770
Dairy cattle and milk production	<1	485	1,137	9,274
Poultry and egg production	<1	81	121	1,689
Animal production, except cattle and poultry and eggs	<1	1,932	6,602	13,710
Forestry, forest products, and timber tract production	<1	150	168	213
Commercial logging	<1	99	118	228
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	50	-491	513
Support activities for agriculture and forestry	<1	5,945	5,032	5,951
Oil and gas extraction	<1	31,811	15,306	273,436
Coal mining	<1	88	107	342
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,155	1,497	5,119
Sand and gravel mining	<1	682	907	2,402

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	79	103	262
Other nonmetallic minerals	<1	15	18	63
Drilling oil and gas wells	<1	5	4	30
Support activities for oil and gas operations	<1	564	500	2,243
Metal mining services	<1	178	95	2,056
Other nonmetallic minerals services	<1	26	15	266
Electric power generation - Hydroelectric	<1	97	276	587
Electric power generation - Fossil fuel	<1	5,932	21,287	61,217
Electric power generation - Nuclear	<1	8,229	17,000	37,987
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	1,894	15,495	35,118
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	16,649	55,660	151,714
Natural gas distribution	<1	12,159	31,685	77,726
Water, sewage and other systems	<1	272	557	1,055
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	21,629	31,622	74,348
Maintenance and repair construction of residential structures	<1	8,226	12,045	28,341
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	11	16	38
Dog and cat food manufacturing	<1	1,633	6,424	21,110
Other animal food manufacturing	<1	1,383	2,679	14,967
Flour milling	<1	1,603	3,793	15,843
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	981	3,526	15,075
Soybean and other oilseed processing	<1	70	538	4,195
Fats and oils refining and blending	<1	133	335	3,022
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	45	82	294
Chocolate and confectionery manufacturing from cacao beans	<1	23	41	159
Confectionery manufacturing from purchased chocolate	<1	1,016	1,637	6,466
Frozen fruits, juices and vegetables manufacturing	<1	727	1,865	6,301
Frozen specialties manufacturing	<1	1,823	2,974	10,970
Canned fruits and vegetables manufacturing	<1	88	234	1,101
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	18	40	134
Cheese manufacturing	<1	125	211	2,250
Dry, condensed, and evaporated dairy product manufacturing	<1	220	711	3,947
Fluid milk manufacturing	<1	701	1,366	7,775
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	118	191	916
Frozen cakes and other pastries manufacturing	<1	627	968	1,836

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Poultry processing	<1	292	402	1,419
Animal, except poultry, slaughtering	<1	8,446	11,586	81,418
Meat processed from carcasses	<1	3,849	3,736	29,271
Rendering and meat byproduct processing	<1	23	26	111
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	2,743	4,480	9,722
Cookie and cracker manufacturing	<1	2,159	3,710	8,828
Dry pasta, mixes, and dough manufacturing	<1	52	154	552
Tortilla manufacturing	<1	320	440	1,436
Roasted nuts and peanut butter manufacturing	<1	155	183	1,162
Other snack food manufacturing	<1	1,094	3,371	10,363
Coffee and tea manufacturing	<1	33	78	573
Flavoring syrup and concentrate manufacturing	<1	51	590	1,020
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	1,151	2,366	6,797
All other food manufacturing	<1	1,565	2,731	10,872
Bottled and canned soft drinks & water	<1	1,306	2,699	11,171
Manufactured ice	<1	164	130	454
Breweries	<1	187	599	2,472
Wineries	<1	124	254	1,350
Distilleries	<1	42	329	850
Tobacco product manufacturing	<1	97	3,585	6,389
Fiber, yarn, and thread mills	<1	20	16	233
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	3	3	11
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	4	3	19
Textile and fabric finishing mills	<1	9	7	70
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	119	47	523
Curtain and linen mills	<1	9	6	29
Textile bag and canvas mills	<1	122	105	430
Rope, cordage, twine, tire cord and tire fabric mills	<1	130	74	481
Other textile product mills	<1	299	242	1,017
Hosiery and sock mills	<1	3	7	16

Appendix

Other apparel knitting mills	<1	4	9	22
Cut and sew apparel contractors	<1	94	106	244
Mens and boys cut and sew apparel manufacturing	<1	15	19	44
Womens and girls cut and sew apparel manufacturing	<1	94	127	394
Other cut and sew apparel manufacturing	<1	23	31	83
Apparel accessories and other apparel manufacturing	<1	5	8	23
Leather and hide tanning and finishing	<1	3	6	62
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	1	1	8
Sawmills	<1	12	25	93
Wood preservation	<1	19	81	269
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	78	154	439
Reconstituted wood product manufacturing	<1	87	316	1,058
Wood windows and door manufacturing	<1	1,113	1,946	4,715
Cut stock, resawing lumber, and planing	<1	26	64	159
Other millwork, including flooring	<1	187	407	983
Wood container and pallet manufacturing	<1	517	894	2,323
Manufactured home (mobile home) manufacturing	<1	1	2	5
Prefabricated wood building manufacturing	<1	93	164	445
All other miscellaneous wood product manufacturing	<1	342	671	1,821
Pulp mills	0	0	0	0
Paper mills	<1	516	1,123	4,484
Paperboard mills	<1	64	153	632
Paperboard container manufacturing	<1	1,605	2,472	9,449
Paper bag and coated and treated paper manufacturing	<1	251	463	1,691
Stationery product manufacturing	<1	204	315	1,407
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	152	225	719

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Printing	<1	16,630	35,626	63,064
Support activities for printing	<1	2,618	4,988	6,621
Petroleum refineries	<1	12,606	90,961	367,104
Asphalt paving mixture and block manufacturing	<1	67	106	380
Asphalt shingle and coating materials manufacturing	<1	169	635	1,313
Petroleum lubricating oil and grease manufacturing	<1	990	3,617	9,264
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	190	333	1,272
Synthetic dye and pigment manufacturing	<1	114	188	727
Other basic inorganic chemical manufacturing	<1	884	1,553	5,415
Other basic organic chemical manufacturing	<1	867	1,519	13,557
Plastics material and resin manufacturing	<1	147	222	2,162
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	17	22	110
Nitrogenous fertilizer manufacturing	<1	396	774	2,415
Phosphatic fertilizer manufacturing	<1	29	53	304
Fertilizer mixing	<1	67	111	431
Pesticide and other agricultural chemical manufacturing	<1	44	107	789
Medicinal and botanical manufacturing	<1	30	42	176
Pharmaceutical preparation manufacturing	<1	1,330	3,559	13,909
In-vitro diagnostic substance manufacturing	<1	115	151	542
Biological product (except diagnostic) manufacturing	<1	334	567	1,476
Paint and coating manufacturing	<1	172	278	1,327
Adhesive manufacturing	<1	39	54	234
Soap and other detergent manufacturing	<1	1,690	4,017	15,471
Polish and other sanitation good manufacturing	<1	439	604	2,490
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	<1	463	497	2,002

Appendix

Explosives manufacturing	<1	11	12	38
Custom compounding of purchased resins	<1	17	26	129
Photographic film and chemical manufacturing	<1	611	1,137	5,403
Other miscellaneous chemical product manufacturing	<1	397	582	2,989
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	437	776	3,336
Unlaminated plastics profile shape manufacturing	<1	30	72	266
Plastics pipe and pipe fitting manufacturing	<1	183	543	2,082
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	378	751	2,403
Polystyrene foam product manufacturing	<1	408	737	2,587
Urethane and other foam product (except polystyrene) manufacturing	<1	98	169	701
Plastics bottle manufacturing	<1	117	201	923
Other plastics product manufacturing	<1	4,084	6,274	20,754
Tire manufacturing	<1	2,466	3,908	13,753
Rubber and plastics hoses and belting manufacturing	<1	515	804	2,481
Other rubber product manufacturing	<1	361	534	1,716
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	4
Brick, tile, and other structural clay product manufacturing	<1	238	415	1,078
Flat glass manufacturing	<1	252	521	1,309
Other pressed and blown glass and glassware manufacturing	<1	175	306	766
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	181	314	950
Cement manufacturing	<1	257	619	1,881
Ready-mix concrete manufacturing	<1	1,390	2,384	8,443
Concrete block and brick manufacturing	<1	405	738	1,895
Concrete pipe manufacturing	<1	72	123	335
Other concrete product manufacturing	<1	609	861	2,257
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	389	1,033	2,889

Appendix

Abrasive product manufacturing	<1	81	218	408
Cut stone and stone product manufacturing	<1	286	344	843
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	420	965	1,961
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	73	91	1,315
Iron, steel pipe and tube manufacturing from purchased steel	<1	30	32	270
Rolled steel shape manufacturing	<1	10	10	101
Steel wire drawing	<1	31	30	245
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	63	74	633
Other aluminum rolling, drawing and extruding	<1	11	12	91
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	207	226	2,829
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	304	294	1,075
Nonferrous metal foundries	<1	5	5	23
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	81	114	331
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	47	166	327
Handtool manufacturing	<1	210	414	936
Prefabricated metal buildings and components manufacturing	<1	115	190	557
Fabricated structural metal manufacturing	<1	653	1,134	3,581
Plate work manufacturing	<1	277	319	985
Metal window and door manufacturing	<1	615	957	2,579
Sheet metal work manufacturing	<1	556	835	2,205

Appendix

Ornamental and architectural metal work manufacturing	<1	226	331	875
Power boiler and heat exchanger manufacturing	<1	9	15	44
Metal tank (heavy gauge) manufacturing	<1	137	196	645
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	44	60	258
Hardware manufacturing	<1	142	264	727
Spring and wire product manufacturing	<1	96	151	473
Machine shops	<1	1,731	2,334	4,843
Turned product and screw, nut, and bolt manufacturing	<1	190	328	888
Metal heat treating	<1	227	387	992
Metal coating and nonprecious engraving	<1	113	246	620
Electroplating, anodizing, and coloring metal	<1	572	696	1,648
Valve and fittings, other than plumbing, manufacturing	<1	169	323	975
Plumbing fixture fitting and trim manufacturing	<1	41	154	529
Ball and roller bearing manufacturing	<1	62	140	419
Small arms ammunition manufacturing	<1	16	45	125
Ammunition, except for small arms, manufacturing	<1	5	7	17
Small arms, ordnance, and accessories manufacturing	<1	36	85	184
Fabricated pipe and pipe fitting manufacturing	<1	250	347	924
Other fabricated metal manufacturing	<1	650	974	2,464
Farm machinery and equipment manufacturing	<1	253	379	1,729
Lawn and garden equipment manufacturing	<1	172	264	1,573
Construction machinery manufacturing	<1	158	288	1,021
Mining machinery and equipment manufacturing	<1	6	8	28
Oil and gas field machinery and equipment manufacturing	<1	53	76	363
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	6	6	19

Appendix

Sawmill, woodworking, and paper machinery	<1	11	12	33
Printing machinery and equipment manufacturing	<1	10	11	28
All other industrial machinery manufacturing	<1	19	23	69
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	3	4	12
Other commercial service industry machinery manufacturing	<1	111	157	513
Air purification and ventilation equipment manufacturing	<1	35	44	127
Heating equipment (except warm air furnaces) manufacturing	<1	292	387	1,563
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	533	819	3,226
Industrial mold manufacturing	<1	41	45	97
Special tool, die, jig, and fixture manufacturing	<1	18	21	47
Cutting tool and machine tool accessory manufacturing	<1	100	108	286
Machine tool manufacturing	<1	12	15	47
Rolling mill and other metalworking machinery manufacturing	<1	22	25	63
Turbine and turbine generator set units manufacturing	<1	<1	<1	6
Speed changer, industrial high-speed drive, and gear manufacturing	<1	41	54	171
Mechanical power transmission equipment manufacturing	<1	271	369	813
Other engine equipment manufacturing	<1	85	148	886
Pump and pumping equipment manufacturing	<1	36	54	220
Air and gas compressor manufacturing	<1	1	2	7
Elevator and moving stairway manufacturing	<1	4	5	24
Conveyor and conveying equipment manufacturing	<1	82	90	279
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	13
Industrial truck, trailer, and stacker manufacturing	<1	43	61	232

Appendix

Power-driven handtool manufacturing	<1	7	15	60
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	<1	4	4	9
Fluid power cylinder and actuator manufacturing	<1	39	50	179
Fluid power pump and motor manufacturing	<1	79	108	433
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	27	31	92
Electronic computer manufacturing	<1	<1	2	11
Computer storage device manufacturing	<1	3	8	20
Computer terminals and other computer peripheral equipment manufacturing	<1	3	5	17
Telephone apparatus manufacturing	<1	23	44	112
Broadcast and wireless communications equipment manufacturing	<1	17	31	74
Other communications equipment manufacturing	<1	2	5	13
Audio and video equipment manufacturing	<1	14	30	96
Printed circuit assembly (electronic assembly) manufacturing	<1	26	59	226
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	5	11	42
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	61	101	261
Electronic connector manufacturing	<1	278	509	1,228
Other electronic component manufacturing	<1	87	137	463
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	2	4	9
Automatic environmental control manufacturing	0	0	0	0

Appendix

Industrial process variable instruments manufacturing	<1	25	47	106
Totalizing fluid meter and counting device manufacturing	<1	2	4	10
Electricity and signal testing instruments manufacturing	<1	11	22	71
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	6	13	32
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	1	2
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	208	338	665
Small electrical appliance manufacturing	<1	15	39	89
Household cooking appliance manufacturing	<1	23	56	123
Household refrigerator and home freezer manufacturing	<1	25	63	134
Household laundry equipment manufacturing	<1	59	112	303
Other major household appliance manufacturing	<1	10	26	52
Power, distribution, and specialty transformer manufacturing	<1	19	32	75
Motor and generator manufacturing	<1	71	134	287
Switchgear and switchboard apparatus manufacturing	<1	31	60	159
Relay and industrial control manufacturing	<1	58	86	231
Storage battery manufacturing	<1	972	1,542	3,927
Primary battery manufacturing	<1	630	1,767	2,559
Fiber optic cable manufacturing	<1	27	36	161
Other communication and energy wire manufacturing	<1	9	15	63
Wiring device manufacturing	<1	56	124	381
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	4,809	5,882	20,579
Automobile manufacturing	<1	2,354	5,951	25,203

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1	3	21
Motor vehicle body manufacturing	<1	106	129	535
Truck trailer manufacturing	<1	7	7	37
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	658	714	3,638
Motor vehicle gasoline engine and engine parts manufacturing	<1	146	194	1,143
Motor vehicle electrical and electronic equipment manufacturing	<1	715	839	5,017
Motor vehicle transmission and power train parts manufacturing	<1	492	674	3,538
Motor vehicle seating and interior trim manufacturing	<1	80	88	557
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	1,170	1,411	7,819
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	97	210	772
Aircraft engine and engine parts manufacturing	<1	34	82	196
Other aircraft parts and auxiliary equipment manufacturing	<1	41,954	62,360	169,877
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	24	29	144
Ship building and repairing	0	0	0	0
Boat building	<1	1,032	1,399	3,956
Motorcycle, bicycle, and parts manufacturing	<1	7	23	67
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	244	460	1,790
Wood kitchen cabinet and countertop manufacturing	<1	1,201	1,697	4,368
Upholstered household furniture manufacturing	<1	7	9	44

Appendix

Nonupholstered wood household furniture manufacturing	<1	22	27	87
Other household nonupholstered furniture manufacturing	<1	6	11	53
Institutional furniture manufacturing	<1	10	12	40
Wood office furniture manufacturing	<1	119	174	542
Custom architectural woodwork and millwork	<1	12	12	39
Office furniture, except wood, manufacturing	<1	6,961	12,781	33,846
Showcase, partition, shelving, and locker manufacturing	<1	151	226	546
Mattress manufacturing	<1	149	291	953
Blind and shade manufacturing	<1	4	4	14
Surgical and medical instrument manufacturing	<1	85	145	395
Surgical appliance and supplies manufacturing	<1	113	206	645
Dental equipment and supplies manufacturing	<1	<1	<1	3
Ophthalmic goods manufacturing	<1	35	63	154
Dental laboratories	<1	189	196	341
Jewelry and silverware manufacturing	<1	186	323	921
Sporting and athletic goods manufacturing	<1	214	288	931
Doll, toy, and game manufacturing	<1	151	228	921
Office supplies (except paper) manufacturing	<1	19	27	123
Sign manufacturing	<1	1,057	927	2,408
Gasket, packing, and sealing device manufacturing	<1	56	68	189
Musical instrument manufacturing	<1	19	21	77
Fasteners, buttons, needles, and pins manufacturing	<1	73	94	267
Broom, brush, and mop manufacturing	<1	324	446	1,329
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	213	281	934
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,861	10,746	25,590
Wholesale - Professional and commercial equipment and supplies	<1	20,543	31,726	53,799

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	5,225	12,009	25,087
Wholesale - Machinery, equipment, and supplies	<1	11,224	20,824	37,103
Wholesale - Other durable goods merchant wholesalers	<1	21,708	35,777	67,109
Wholesale - Drugs and druggists' sundries	<1	13,051	37,590	64,117
Wholesale - Grocery and related product wholesalers	<1	14,009	18,984	36,302
Wholesale - Petroleum and petroleum products	<1	9,998	58,554	75,696
Wholesale - Other nondurable goods merchant wholesalers	<1	39,898	74,855	145,842
Wholesale - Wholesale electronic markets and agents and brokers	<1	36,506	37,721	43,560
Retail - Motor vehicle and parts dealers	<1	17,310	31,835	46,088
Retail - Furniture and home furnishings stores	<1	9,345	13,636	22,040
Retail - Electronics and appliance stores	<1	9,964	11,406	19,129
Retail - Building material and garden equipment and supplies stores	<1	10,315	22,101	32,109
Retail - Food and beverage stores	1	30,796	44,958	73,785
Retail - Health and personal care stores	<1	19,708	26,009	39,951
Retail - Gasoline stores	<1	11,364	24,681	46,529
Retail - Clothing and clothing accessories stores	<1	8,895	17,735	36,693
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,890	11,344	18,511
Retail - General merchandise stores	<1	29,348	47,219	76,467
Retail - Miscellaneous store retailers	<1	12,586	18,566	31,821
Retail - Nonstore retailers	<1	13,068	51,303	122,606
Air transportation	<1	4,195	8,073	19,753
Rail transportation	<1	7,534	24,475	36,406
Water transportation	<1	78	90	1,036
Truck transportation	4	283,237	335,745	622,824
Transit and ground passenger transportation	<1	10,729	12,787	18,867
Pipeline transportation	<1	91,314	51,717	54,058
Scenic and sightseeing transportation and support activities for transportation	<1	43,395	48,924	99,688

Appendix

Couriers and messengers	<1	23,827	33,882	52,016
Warehousing and storage	<1	29,821	33,361	63,413
Newspaper publishers	<1	2,500	5,801	7,941
Periodical publishers	<1	4,025	8,354	14,073
Book publishers	<1	1,911	9,062	14,904
Directory, mailing list, and other publishers	<1	27,644	115,716	162,323
Greeting card publishing	0	0	0	0
Software publishers	<1	7,333	22,579	25,443
Motion picture and video industries	<1	4,037	5,418	18,787
Sound recording industries	<1	823	2,506	7,520
Radio and television broadcasting	<1	12,024	16,912	63,373
Cable and other subscription programming	<1	23	203	543
Wired telecommunications carriers	<1	59,309	79,730	108,203
Wireless telecommunications carriers (except satellite)	<1	18,241	55,608	111,650
Satellite, telecommunications resellers, and all other telecommunications	<1	8,128	8,767	12,332
Data processing, hosting, and related services	<1	20,999	35,894	109,787
News syndicates, libraries, archives and all other information services	<1	1,878	2,510	8,428
Internet publishing and broadcasting and web search portals	<1	16,254	30,538	135,475
Nondepository credit intermediation and related activities	<1	37,638	44,299	73,439
Securities and commodity contracts intermediation and brokerage	<1	35,993	28,592	73,484
Monetary authorities and depository credit intermediation	1	106,214	199,763	445,544
Other financial investment activities	<1	39,699	44,948	154,914
Direct life insurance carriers	<1	6,091	11,412	16,400
Insurance carriers, except direct life	<1	43,027	132,803	297,749
Insurance agencies, brokerages, and related activities	3	202,649	303,669	765,007
Funds, trusts, and other financial vehicles	<1	13,854	24,306	80,601
Other real estate	5	110,326	351,839	986,280
Tenant-occupied housing	<1	6,607	111,264	125,926

Appendix

Owner-occupied dwellings	0	0	397,316	504,375
Automotive equipment rental and leasing	<1	44,484	82,007	89,995
General and consumer goods rental except video tapes and discs	<1	19,791	21,324	24,421
Video tape and disc rental	<1	1,880	3,262	4,467
Commercial and industrial machinery and equipment rental and leasing	<1	56,898	98,500	108,796
Lessors of nonfinancial intangible assets	<1	360	51,003	52,347
Legal services	1	69,170	119,312	177,328
Accounting, tax preparation, bookkeeping, and payroll services	<1	47,539	66,188	99,067
Architectural, engineering, and related services	2	151,424	169,547	294,404
Specialized design services	<1	6,397	10,982	16,084
Custom computer programming services	<1	26,825	29,554	41,976
Computer systems design services	<1	31,567	31,973	40,836
Other computer related services, including facilities management	<1	9,592	21,232	32,658
Management consulting services	2	144,746	151,416	256,925
Environmental and other technical consulting services	<1	19,413	20,503	31,313
Scientific research and development services	25	1,814,130	2,629,808	5,286,059
Advertising, public relations, and related services	<1	26,496	39,780	73,620
Photographic services	<1	1,035	2,795	5,507
Veterinary services	<1	4,886	6,314	10,337
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	45,047	89,722	166,269
Management of companies and enterprises	2	225,908	286,831	463,711
Office administrative services	<1	48,410	29,714	54,890
Facilities support services	<1	4,257	6,930	14,474
Employment services	3	119,447	191,421	281,709
Business support services	2	96,838	87,759	148,433
Travel arrangement and reservation services	<1	5,091	7,057	15,866
Investigation and security services	<1	11,975	11,938	17,717
Services to buildings	<1	23,452	34,578	62,226
Landscape and horticultural services	2	97,216	124,171	211,978

Appendix

Other support services	<1	20,818	28,013	53,919
Waste management and remediation services	<1	10,004	16,938	32,615
Elementary and secondary schools	<1	5,925	5,286	6,566
Junior colleges, colleges, universities, and professional schools	10	329,442	467,865	684,370
Other educational services	<1	13,029	14,860	27,821
Offices of physicians	1	119,898	124,011	172,034
Offices of dentists	<1	28,618	33,634	47,236
Offices of other health practitioners	<1	21,668	28,565	39,265
Outpatient care centers	<1	24,492	22,216	40,364
Medical and diagnostic laboratories	<1	10,894	14,219	20,641
Home health care services	<1	23,779	22,625	28,719
Other ambulatory health care services	<1	5,982	6,469	10,396
Hospitals	2	155,782	183,078	362,503
Nursing and community care facilities	<1	31,459	36,138	65,338
Residential mental retardation, mental health, substance abuse and other facilities	<1	10,212	11,229	17,956
Individual and family services	1	36,040	32,757	51,023
Child day care services	<1	9,536	14,627	20,237
Community food, housing, and other relief services, including rehabilitation services	<1	8,752	8,703	20,741
Performing arts companies	<1	1,293	2,188	7,641
Commercial Sports Except Racing	<1	2,006	1,165	6,053
Racing and Track Operation	<1	355	763	1,873
Independent artists, writers, and performers	<1	499	2,268	5,547
Promoters of performing arts and sports and agents for public figures	<1	2,132	4,948	20,874
Museums, historical sites, zoos, and parks	<1	1,000	1,265	2,882
Amusement parks and arcades	<1	461	857	1,344
Gambling industries (except casino hotels)	<1	4,540	16,204	24,169
Other amusement and recreation industries	<1	5,462	6,252	11,504
Fitness and recreational sports centers	<1	4,755	6,263	11,537
Bowling centers	<1	721	1,079	2,203

Appendix

Hotels and motels, including casino hotels	<1	2,578	5,888	9,933
Other accommodations	<1	716	1,009	1,434
Full-service restaurants	2	55,212	82,163	147,106
Limited-service restaurants	2	35,366	58,977	130,242
All other food and drinking places	1	35,862	50,746	79,023
Automotive repair and maintenance, except car washes	<1	42,004	54,577	76,948
Car washes	<1	15,387	27,308	40,410
Electronic and precision equipment repair and maintenance	<1	34,029	40,987	68,279
Commercial and industrial machinery and equipment repair and maintenance	<1	20,769	21,070	30,316
Personal and household goods repair and maintenance	<1	4,504	8,290	12,055
Personal care services	<1	16,334	15,183	20,094
Death care services	<1	3,911	2,760	3,975
Dry-cleaning and laundry services	<1	9,259	6,160	8,306
Other personal services	<1	7,448	9,724	14,139
Religious organizations	<1	41,193	21,783	76,717
Grantmaking, giving, and social advocacy organizations	<1	6,908	23,441	35,721
Business and professional associations	<1	13,816	25,403	44,073
Labor and civic organizations	<1	6,719	20,350	35,824
Private households	<1	4,912	4,911	4,911
Postal service	<1	23,288	23,294	24,987
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	67,603	-659,158	81,912
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	425	-144	482
Local government electric utilities	<1	4,172	12,132	19,787
Other local government enterprises	<1	27,459	64,014	124,904
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	809,834	1,125,023	2,573,748

Moon to Mars Campaign

Table 674: Detailed M2M Campaign Impacts by Types of Impact, Kansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	87,956	149,059	286,413
Oilseed farming	<1	44	339	881
Grain farming	<1	49	61	530
Vegetable and melon farming	<1	3	6	15
Fruit farming	<1	<1	1	3
Tree nut farming	<1	<1	2	3
Greenhouse, nursery, and floriculture production	<1	5	7	17
Tobacco farming	0	0	0	0
Cotton farming	<1	1	2	4
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	11	15	40
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	34	98	480
Dairy cattle and milk production	<1	7	15	116
Poultry and egg production	<1	<1	1	17
Animal production, except cattle and poultry and eggs	<1	11	41	86
Forestry, forest products, and timber tract production	<1	1	2	2
Commercial logging	<1	<1	1	2
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	-4	4
Support activities for agriculture and forestry	<1	35	30	35
Oil and gas extraction	<1	385	235	4,103

Appendix

Coal mining	<1	<1	<1	2
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	14	16	55
Sand and gravel mining	<1	7	9	22
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	<1	2
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	5	5	22
Metal mining services	<1	1	<1	16
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	<1	2	5
Electric power generation - Fossil fuel	<1	61	211	562
Electric power generation - Nuclear	<1	79	166	352
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	13	110	242
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	144	483	1,250
Natural gas distribution	<1	142	383	891
Water, sewage and other systems	<1	4	8	15
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	194	286	657
Maintenance and repair construction of residential structures	<1	97	142	329
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	15	63	201
Other animal food manufacturing	<1	10	21	113
Flour milling	<1	9	22	92
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	9	34	143
Soybean and other oilseed processing	<1	<1	6	47
Fats and oils refining and blending	<1	2	6	49
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	1	4
Chocolate and confectionery manufacturing from cacao beans	<1	<1	<1	3
Confectionery manufacturing from purchased chocolate	<1	13	21	79
Frozen fruits, juices and vegetables manufacturing	<1	6	17	52
Frozen specialties manufacturing	<1	15	24	88
Canned fruits and vegetables manufacturing	<1	<1	2	11

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	<1	1
Cheese manufacturing	<1	1	2	19
Dry, condensed, and evaporated dairy product manufacturing	<1	4	12	63
Fluid milk manufacturing	<1	10	21	117
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1	2	8
Frozen cakes and other pastries manufacturing	<1	10	15	29
Poultry processing	<1	2	3	11
Animal, except poultry, slaughtering	<1	81	112	777
Meat processed from carcasses	<1	41	40	310
Rendering and meat byproduct processing	<1	<1	<1	1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	42	70	150
Cookie and cracker manufacturing	<1	30	55	119
Dry pasta, mixes, and dough manufacturing	<1	<1	2	7
Tortilla manufacturing	<1	4	5	16
Roasted nuts and peanut butter manufacturing	<1	2	2	14
Other snack food manufacturing	<1	13	40	119
Coffee and tea manufacturing	<1	<1	<1	7
Flavoring syrup and concentrate manufacturing	<1	<1	5	9
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	17	35	95
All other food manufacturing	<1	18	31	120
Bottled and canned soft drinks & water	<1	12	26	105
Manufactured ice	<1	2	1	4
Breweries	<1	3	9	38
Wineries	<1	2	4	19
Distilleries	<1	<1	5	11
Tobacco product manufacturing	<1	1	60	97
Fiber, yarn, and thread mills	<1	<1	<1	2
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	<1	<1	<1
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	1	<1	6
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	1	<1	4
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	2
Other textile product mills	<1	3	3	11
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	2	2	6
Other cut and sew apparel manufacturing	<1	<1	1	3
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	<1	<1	1
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	<1	<1	<1
Wood preservation	<1	<1	<1	2
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	<1	1	4
Reconstituted wood product manufacturing	<1	<1	3	9
Wood windows and door manufacturing	<1	7	12	28
Cut stock, resawing lumber, and planing	<1	<1	<1	1
Other millwork, including flooring	<1	1	3	7
Wood container and pallet manufacturing	<1	7	12	31
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	<1	1	4
All other miscellaneous wood product manufacturing	<1	4	7	19
Pulp mills	0	0	0	0

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Paper mills	<1	5	9	40
Paperboard mills	<1	<1	1	5
Paperboard container manufacturing	<1	18	28	108
Paper bag and coated and treated paper manufacturing	<1	3	5	18
Stationery product manufacturing	<1	3	5	23
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	1	2	6
Printing	<1	142	310	524
Support activities for printing	<1	30	57	75
Petroleum refineries	<1	260	1,833	7,291
Asphalt paving mixture and block manufacturing	<1	<1	1	4
Asphalt shingle and coating materials manufacturing	<1	1	5	11
Petroleum lubricating oil and grease manufacturing	<1	13	48	119
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2	4	14
Synthetic dye and pigment manufacturing	<1	<1	2	7
Other basic inorganic chemical manufacturing	<1	7	13	44
Other basic organic chemical manufacturing	<1	10	17	153
Plastics material and resin manufacturing	<1	2	3	25
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	<1	<1	2
Nitrogenous fertilizer manufacturing	<1	3	6	16
Phosphatic fertilizer manufacturing	<1	<1	<1	2
Fertilizer mixing	<1	<1	<1	2
Pesticide and other agricultural chemical manufacturing	<1	<1	<1	6
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	19	54	202
In-vitro diagnostic substance manufacturing	<1	2	3	12

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Biological product (except diagnostic) manufacturing	<1	5	9	23
Paint and coating manufacturing	<1	3	5	24
Adhesive manufacturing	<1	<1	<1	3
Soap and other detergent manufacturing	<1	20	54	175
Polish and other sanitation good manufacturing	<1	5	7	26
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	<1	6	6	26
Explosives manufacturing	<1	<1	<1	<1
Custom compounding of purchased resins	<1	<1	<1	2
Photographic film and chemical manufacturing	<1	4	7	33
Other miscellaneous chemical product manufacturing	<1	4	6	30
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6	10	44
Unlaminated plastics profile shape manufacturing	<1	<1	<1	3
Plastics pipe and pipe fitting manufacturing	<1	3	10	38
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	7	13	42
Polystyrene foam product manufacturing	<1	5	9	32
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	2	7
Plastics bottle manufacturing	<1	1	3	11
Other plastics product manufacturing	<1	47	73	234
Tire manufacturing	<1	26	42	151
Rubber and plastics hoses and belting manufacturing	<1	4	5	17
Other rubber product manufacturing	<1	2	3	9
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	<1	2	4	10
Flat glass manufacturing	<1	2	4	11
Other pressed and blown glass and glassware manufacturing	<1	<1	1	4
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	1	2	6
Cement manufacturing	<1	4	9	28
Ready-mix concrete manufacturing	<1	17	29	104
Concrete block and brick manufacturing	<1	11	20	53
Concrete pipe manufacturing	<1	1	2	5
Other concrete product manufacturing	<1	6	8	22
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	6	16	46
Abrasive product manufacturing	<1	<1	2	4
Cut stone and stone product manufacturing	<1	2	3	7
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	4	9	18
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	<1	1	17
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	4
Rolled steel shape manufacturing	<1	<1	<1	1
Steel wire drawing	<1	<1	<1	5
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	<1	<1	4
Other aluminum rolling, drawing and extruding	<1	<1	<1	<1
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	3	3	34
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	4	4	14
Nonferrous metal foundries	<1	<1	<1	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	1	3
Iron and steel forging	0	0	0	0

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	<1	2	4
Handtool manufacturing	<1	3	7	15
Prefabricated metal buildings and components manufacturing	<1	2	2	7
Fabricated structural metal manufacturing	<1	8	13	43
Plate work manufacturing	<1	3	4	12
Metal window and door manufacturing	<1	10	15	42
Sheet metal work manufacturing	<1	8	12	30
Ornamental and architectural metal work manufacturing	<1	3	4	11
Power boiler and heat exchanger manufacturing	<1	<1	<1	<1
Metal tank (heavy gauge) manufacturing	<1	2	3	10
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	<1	<1	3
Hardware manufacturing	<1	2	3	8
Spring and wire product manufacturing	<1	2	3	10
Machine shops	<1	18	25	51
Turned product and screw, nut, and bolt manufacturing	<1	3	6	15
Metal heat treating	<1	5	8	21
Metal coating and nonprecious engraving	<1	3	5	14
Electroplating, anodizing, and coloring metal	<1	11	13	31
Valve and fittings, other than plumbing, manufacturing	<1	2	5	14
Plumbing fixture fitting and trim manufacturing	<1	<1	1	4
Ball and roller bearing manufacturing	<1	<1	1	3
Small arms ammunition manufacturing	<1	<1	<1	2
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	<1	1	2
Fabricated pipe and pipe fitting manufacturing	<1	4	6	16
Other fabricated metal manufacturing	<1	8	11	29
Farm machinery and equipment manufacturing	<1	<1	1	6

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Lawn and garden equipment manufacturing	<1	1	2	11
Construction machinery manufacturing	<1	2	4	13
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	5
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	<1	<1	<1
Other commercial service industry machinery manufacturing	<1	2	3	11
Air purification and ventilation equipment manufacturing	<1	<1	<1	1
Heating equipment (except warm air furnaces) manufacturing	<1	8	11	39
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	8	12	46
Industrial mold manufacturing	<1	1	1	2
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	<1
Cutting tool and machine tool accessory manufacturing	<1	2	2	4
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	3
Mechanical power transmission equipment manufacturing	<1	3	5	10
Other engine equipment manufacturing	<1	4	7	35

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Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	<1
Conveyor and conveying equipment manufacturing	<1	1	1	4
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	3
Power-driven handtool manufacturing	<1	<1	<1	1
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	<1	<1	2
Fluid power pump and motor manufacturing	<1	2	3	13
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	<1	<1	<1	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	<1	<1	<1	<1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	<1	4	9	33
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	4	12

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1	2	5
Electronic connector manufacturing	<1	12	22	54
Other electronic component manufacturing	<1	9	15	49
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	3	5	9
Small electrical appliance manufacturing	<1	<1	<1	1
Household cooking appliance manufacturing	<1	<1	<1	1
Household refrigerator and home freezer manufacturing	<1	<1	<1	2
Household laundry equipment manufacturing	<1	<1	1	3
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	<1	1	2	5
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	2

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Relay and industrial control manufacturing	<1	1	2	5
Storage battery manufacturing	<1	16	24	60
Primary battery manufacturing	<1	8	31	33
Fiber optic cable manufacturing	<1	<1	1	5
Other communication and energy wire manufacturing	<1	<1	<1	2
Wiring device manufacturing	<1	1	3	8
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	24	59	245
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	1	1	5
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	4	5	24
Motor vehicle gasoline engine and engine parts manufacturing	<1	2	2	14
Motor vehicle electrical and electronic equipment manufacturing	<1	6	7	38
Motor vehicle transmission and power train parts manufacturing	<1	7	10	46
Motor vehicle seating and interior trim manufacturing	<1	1	1	8
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	16	18	108
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	2	6
Aircraft engine and engine parts manufacturing	<1	<1	<1	1
Other aircraft parts and auxiliary equipment manufacturing	<1	15	21	53
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	0	0	0	0
Boat building	<1	10	14	39
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	3	6	22
Wood kitchen cabinet and countertop manufacturing	<1	7	9	24
Upholstered household furniture manufacturing	<1	<1	<1	<1
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	<1	<1	<1	2
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	2
Mattress manufacturing	<1	2	3	11
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	2	4
Surgical appliance and supplies manufacturing	<1	1	3	8
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	3	3	5
Jewelry and silverware manufacturing	<1	2	4	10
Sporting and athletic goods manufacturing	<1	3	3	10
Doll, toy, and game manufacturing	<1	2	2	10
Office supplies (except paper) manufacturing	<1	<1	<1	2
Sign manufacturing	<1	7	6	15
Gasket, packing, and sealing device manufacturing	<1	<1	<1	2

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Musical instrument manufacturing	<1	<1	<1	1
Fasteners, buttons, needles, and pins manufacturing	<1	<1	1	4
Broom, brush, and mop manufacturing	<1	4	7	17
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	4	5	17
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	68	152	361
Wholesale - Professional and commercial equipment and supplies	<1	198	306	515
Wholesale - Household appliances and electrical and electronic goods	<1	133	302	626
Wholesale - Machinery, equipment, and supplies	<1	112	207	368
Wholesale - Other durable goods merchant wholesalers	<1	194	320	599
Wholesale - Drugs and druggists' sundries	<1	146	422	706
Wholesale - Grocery and related product wholesalers	<1	140	190	361
Wholesale - Petroleum and petroleum products	<1	195	1,445	1,822
Wholesale - Other nondurable goods merchant wholesalers	<1	383	744	1,417
Wholesale - Wholesale electronic markets and agents and brokers	<1	180	186	214
Retail - Motor vehicle and parts dealers	<1	200	367	528
Retail - Furniture and home furnishings stores	<1	107	156	250
Retail - Electronics and appliance stores	<1	113	132	217
Retail - Building material and garden equipment and supplies stores	<1	114	245	354
Retail - Food and beverage stores	<1	388	563	912
Retail - Health and personal care stores	<1	222	294	452
Retail - Gasoline stores	<1	340	704	1,266
Retail - Clothing and clothing accessories stores	<1	105	207	420
Retail - Sporting goods, hobby, musical instrument and book stores	<1	89	129	207
Retail - General merchandise stores	<1	339	548	886

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Retail - Miscellaneous store retailers	<1	146	215	361
Retail - Nonstore retailers	<1	165	683	1,600
Air transportation	<1	44	87	210
Rail transportation	<1	180	492	783
Water transportation	<1	<1	<1	7
Truck transportation	<1	16,411	19,387	36,227
Transit and ground passenger transportation	<1	134	158	226
Pipeline transportation	<1	920	569	608
Scenic and sightseeing transportation and support activities for transportation	<1	755	856	1,764
Couriers and messengers	<1	530	781	1,199
Warehousing and storage	<1	509	571	1,081
Newspaper publishers	<1	19	46	62
Periodical publishers	<1	35	74	119
Book publishers	<1	15	73	119
Directory, mailing list, and other publishers	<1	23	99	138
Greeting card publishing	0	0	0	0
Software publishers	<1	81	252	283
Motion picture and video industries	<1	49	66	207
Sound recording industries	<1	8	25	70
Radio and television broadcasting	<1	103	139	432
Cable and other subscription programming	<1	<1	2	4
Wired telecommunications carriers	<1	586	763	1,025
Wireless telecommunications carriers (except satellite)	<1	214	666	1,308
Satellite, telecommunications resellers, and all other telecommunications	<1	72	76	105
Data processing, hosting, and related services	<1	119	201	592
News syndicates, libraries, archives and all other information services	<1	8	10	34
Internet publishing and broadcasting and web search portals	<1	118	224	938
Nondepository credit intermediation and related activities	<1	330	389	624
Securities and commodity contracts intermediation and brokerage	<1	382	298	703

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Monetary authorities and depository credit intermediation	<1	853	1,614	3,552
Other financial investment activities	<1	530	585	1,805
Direct life insurance carriers	<1	60	117	164
Insurance carriers, except direct life	<1	498	1,623	3,469
Insurance agencies, brokerages, and related activities	<1	642	1,008	2,408
Funds, trusts, and other financial vehicles	<1	160	289	827
Other real estate	<1	866	2,655	6,968
Tenant-occupied housing	<1	80	1,385	1,539
Owner-occupied dwellings	0	0	4,944	6,276
Automotive equipment rental and leasing	<1	365	588	622
General and consumer goods rental except video tapes and discs	<1	353	360	396
Video tape and disc rental	<1	21	37	50
Commercial and industrial machinery and equipment rental and leasing	<1	415	663	722
Lessors of nonfinancial intangible assets	<1	3	371	379
Legal services	<1	296	519	762
Accounting, tax preparation, bookkeeping, and payroll services	<1	430	615	897
Architectural, engineering, and related services	<1	10,876	12,353	21,164
Specialized design services	<1	54	97	137
Custom computer programming services	<1	220	240	337
Computer systems design services	<1	253	256	324
Other computer related services, including facilities management	<1	63	139	209
Management consulting services	<1	669	704	1,169
Environmental and other technical consulting services	<1	206	220	331
Scientific research and development services	<1	143	206	409
Advertising, public relations, and related services	<1	201	307	547
Photographic services	<1	9	27	52
Veterinary services	<1	53	70	112
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	161	327	602

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Management of companies and enterprises	<1	1,863	2,379	3,780
Office administrative services	<1	646	425	722
Facilities support services	<1	57	93	181
Employment services	<1	1,192	1,945	2,751
Business support services	<1	282	260	425
Travel arrangement and reservation services	<1	38	53	118
Investigation and security services	<1	140	140	202
Services to buildings	<1	223	334	578
Landscape and horticultural services	<1	171	220	368
Other support services	<1	100	136	256
Waste management and remediation services	<1	87	146	279
Elementary and secondary schools	<1	86	77	94
Junior colleges, colleges, universities, and professional schools	<1	11,110	15,516	22,697
Other educational services	<1	195	224	409
Offices of physicians	<1	1,387	1,442	1,999
Offices of dentists	<1	334	399	555
Offices of other health practitioners	<1	247	333	454
Outpatient care centers	<1	291	266	488
Medical and diagnostic laboratories	<1	130	173	248
Home health care services	<1	277	264	338
Other ambulatory health care services	<1	70	77	122
Hospitals	<1	2,043	2,384	4,696
Nursing and community care facilities	<1	376	432	766
Residential mental retardation, mental health, substance abuse and other facilities	<1	136	149	235
Individual and family services	<1	447	410	633
Child day care services	<1	119	184	251
Community food, housing, and other relief services, including rehabilitation services	<1	117	117	272
Performing arts companies	<1	17	28	91
Commercial Sports Except Racing	<1	20	11	58
Racing and Track Operation	<1	5	10	22
Independent artists, writers, and performers	<1	6	24	58

Appendix

Promoters of performing arts and sports and agents for public figures	<1	25	57	227
Museums, historical sites, zoos, and parks	<1	12	15	34
Amusement parks and arcades	<1	6	10	16
Gambling industries (except casino hotels)	<1	56	194	286
Other amusement and recreation industries	<1	62	69	125
Fitness and recreational sports centers	<1	60	75	137
Bowling centers	<1	8	12	24
Hotels and motels, including casino hotels	<1	30	68	113
Other accommodations	<1	11	16	22
Full-service restaurants	<1	630	947	1,664
Limited-service restaurants	<1	408	686	1,474
All other food and drinking places	<1	357	506	772
Automotive repair and maintenance, except car washes	<1	840	1,034	1,455
Car washes	<1	176	312	459
Electronic and precision equipment repair and maintenance	<1	6,998	8,539	13,905
Commercial and industrial machinery and equipment repair and maintenance	<1	252	252	357
Personal and household goods repair and maintenance	<1	53	95	137
Personal care services	<1	202	181	241
Death care services	<1	53	32	48
Dry-cleaning and laundry services	<1	154	88	123
Other personal services	<1	82	106	153
Religious organizations	<1	520	239	930
Grantmaking, giving, and social advocacy organizations	<1	94	299	457
Business and professional associations	<1	108	189	324
Labor and civic organizations	<1	90	258	462
Private households	<1	63	63	63
Postal service	<1	350	350	375
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	10	-105	10
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	4	-2	4
Local government electric utilities	<1	30	82	133
Other local government enterprises	<1	313	691	1,343
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	6,640	31,070	71,079

Investments in Climate Change Research and Technology

Table 675: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kansas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>69</i>	<i>4,115,636</i>	<i>5,474,123</i>	<i>12,657,739</i>
Oilseed farming	<1	2,021	9,305	20,419
Grain farming	<1	3,642	3,681	39,719
Vegetable and melon farming	<1	125	245	637
Fruit farming	<1	24	52	102
Tree nut farming	<1	21	46	87
Greenhouse, nursery, and floriculture production	<1	484	717	1,777
Tobacco farming	0	0	0	0
Cotton farming	<1	246	347	827
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	859	1,198	3,205
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,971	7,562	41,321

Appendix

Dairy cattle and milk production	<1	222	547	4,561
Poultry and egg production	<1	53	76	1,157
Animal production, except cattle and poultry and eggs	<1	1,488	4,392	8,766
Forestry, forest products, and timber tract production	<1	83	93	122
Commercial logging	<1	60	71	144
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	33	-396	389
Support activities for agriculture and forestry	<1	3,770	3,217	3,800
Oil and gas extraction	<1	21,240	10,251	190,444
Coal mining	<1	91	139	445
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	667	1,037	3,398
Sand and gravel mining	<1	407	578	1,522
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	48	75	194
Other nonmetallic minerals	<1	7	9	31
Drilling oil and gas wells	<1	5	4	30
Support activities for oil and gas operations	<1	417	368	1,587
Metal mining services	<1	164	92	1,825
Other nonmetallic minerals services	<1	23	12	206
Electric power generation - Hydroelectric	<1	63	170	358
Electric power generation - Fossil fuel	<1	3,760	14,040	42,002
Electric power generation - Nuclear	<1	6,928	14,665	33,831
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	1,671	13,243	32,015
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	11,664	40,396	112,234
Natural gas distribution	<1	6,878	17,853	44,950
Water, sewage and other systems	<1	189	394	756
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,888	18,985	45,423
Maintenance and repair construction of residential structures	<1	4,396	6,436	15,469
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	9	21
Dog and cat food manufacturing	<1	849	3,288	11,175
Other animal food manufacturing	<1	851	1,610	9,345
Flour milling	<1	1,211	2,931	12,151
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	573	1,996	8,759
Soybean and other oilseed processing	<1	37	297	2,310
Fats and oils refining and blending	<1	64	162	1,468
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	21	39	144
Chocolate and confectionery manufacturing from cacao beans	<1	10	17	67
Confectionery manufacturing from purchased chocolate	<1	552	900	3,559
Frozen fruits, juices and vegetables manufacturing	<1	433	1,112	3,930
Frozen specialties manufacturing	<1	1,105	1,830	6,859
Canned fruits and vegetables manufacturing	<1	48	130	609
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	10	22	73
Cheese manufacturing	<1	63	106	1,139
Dry, condensed, and evaporated dairy product manufacturing	<1	124	405	2,376
Fluid milk manufacturing	<1	342	670	3,903
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	74	120	585
Frozen cakes and other pastries manufacturing	<1	330	511	983
Poultry processing	<1	239	325	1,162
Animal, except poultry, slaughtering	<1	5,301	7,277	51,356
Meat processed from carcasses	<1	2,056	1,988	15,941
Rendering and meat byproduct processing	<1	14	16	70
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,424	2,340	5,117
Cookie and cracker manufacturing	<1	1,062	1,815	4,555
Dry pasta, mixes, and dough manufacturing	<1	25	74	262
Tortilla manufacturing	<1	174	243	824
Roasted nuts and peanut butter manufacturing	<1	78	91	595
Other snack food manufacturing	<1	611	1,957	5,912
Coffee and tea manufacturing	<1	19	45	327
Flavoring syrup and concentrate manufacturing	<1	29	356	599
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	655	1,349	3,911
All other food manufacturing	<1	786	1,383	5,638

Appendix

Bottled and canned soft drinks & water	<1	810	1,681	7,033
Manufactured ice	<1	97	76	281
Breweries	<1	98	315	1,307
Wineries	<1	54	112	609
Distilleries	<1	24	175	463
Tobacco product manufacturing	<1	58	1,903	3,527
Fiber, yarn, and thread mills	<1	11	8	132
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	1	1	6
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	2	1	9
Textile and fabric finishing mills	<1	3	2	25
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	61	23	277
Curtain and linen mills	<1	4	3	15
Textile bag and canvas mills	<1	71	61	257
Rope, cordage, twine, tire cord and tire fabric mills	<1	122	68	460
Other textile product mills	<1	168	136	594
Hosiery and sock mills	<1	2	3	9
Other apparel knitting mills	<1	2	5	13
Cut and sew apparel contractors	<1	62	71	167
Mens and boys cut and sew apparel manufacturing	<1	7	9	22
Womens and girls cut and sew apparel manufacturing	<1	38	51	163
Other cut and sew apparel manufacturing	<1	10	13	36
Apparel accessories and other apparel manufacturing	<1	2	4	12
Leather and hide tanning and finishing	<1	2	3	36
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	4
Sawmills	<1	8	16	61
Wood preservation	<1	13	56	182
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	56	108	313
Reconstituted wood product manufacturing	<1	75	265	851
Wood windows and door manufacturing	<1	783	1,369	3,357

Appendix

Cut stock, resawing lumber, and planing	<1	16	41	102
Other millwork, including flooring	<1	120	259	642
Wood container and pallet manufacturing	<1	349	605	1,590
Manufactured home (mobile home) manufacturing	<1	1	2	4
Prefabricated wood building manufacturing	<1	58	102	268
All other miscellaneous wood product manufacturing	<1	214	420	1,180
Pulp mills	0	0	0	0
Paper mills	<1	348	844	3,143
Paperboard mills	<1	68	167	669
Paperboard container manufacturing	<1	920	1,438	5,538
Paper bag and coated and treated paper manufacturing	<1	154	293	1,103
Stationery product manufacturing	<1	117	185	847
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	105	157	490
Printing	<1	9,188	18,932	35,939
Support activities for printing	<1	1,436	2,697	3,658
Petroleum refineries	<1	9,198	63,524	258,068
Asphalt paving mixture and block manufacturing	<1	43	68	250
Asphalt shingle and coating materials manufacturing	<1	128	469	959
Petroleum lubricating oil and grease manufacturing	<1	582	2,142	5,685
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	173	299	1,125
Synthetic dye and pigment manufacturing	<1	75	121	435
Other basic inorganic chemical manufacturing	<1	643	1,069	3,735
Other basic organic chemical manufacturing	<1	876	1,506	12,288
Plastics material and resin manufacturing	<1	134	196	1,736
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	9	12	59

Appendix

Nitrogenous fertilizer manufacturing	<1	271	518	1,672
Phosphatic fertilizer manufacturing	<1	35	59	347
Fertilizer mixing	<1	55	89	350
Pesticide and other agricultural chemical manufacturing	<1	38	92	664
Medicinal and botanical manufacturing	<1	12	17	75
Pharmaceutical preparation manufacturing	<1	596	1,553	6,311
In-vitro diagnostic substance manufacturing	<1	45	58	210
Biological product (except diagnostic) manufacturing	<1	134	226	605
Paint and coating manufacturing	<1	101	159	757
Adhesive manufacturing	<1	19	27	121
Soap and other detergent manufacturing	<1	790	1,846	7,857
Polish and other sanitation good manufacturing	<1	212	287	1,234
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	<1	284	302	1,221
Explosives manufacturing	<1	13	15	49
Custom compounding of purchased resins	<1	9	14	72
Photographic film and chemical manufacturing	<1	338	632	3,024
Other miscellaneous chemical product manufacturing	<1	249	357	1,793
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	254	459	1,985
Unlaminated plastics profile shape manufacturing	<1	16	40	150
Plastics pipe and pipe fitting manufacturing	<1	119	362	1,323
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	244	500	1,545
Polystyrene foam product manufacturing	<1	275	505	1,785
Urethane and other foam product (except polystyrene) manufacturing	<1	58	102	430
Plastics bottle manufacturing	<1	64	111	525
Other plastics product manufacturing	<1	2,325	3,586	12,188

Appendix

Tire manufacturing	<1	1,515	2,430	8,631
Rubber and plastics hoses and belting manufacturing	<1	315	499	1,547
Other rubber product manufacturing	<1	205	306	955
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	2
Brick, tile, and other structural clay product manufacturing	<1	146	258	649
Flat glass manufacturing	<1	153	328	817
Other pressed and blown glass and glassware manufacturing	<1	107	193	471
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	105	186	555
Cement manufacturing	<1	174	437	1,301
Ready-mix concrete manufacturing	<1	929	1,621	5,670
Concrete block and brick manufacturing	<1	247	465	1,175
Concrete pipe manufacturing	<1	46	80	209
Other concrete product manufacturing	<1	434	626	1,614
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	225	639	1,712
Abrasive product manufacturing	<1	44	128	235
Cut stone and stone product manufacturing	<1	171	207	507
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	259	606	1,217
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	<1	37	52	671
Iron, steel pipe and tube manufacturing from purchased steel	<1	17	20	159
Rolled steel shape manufacturing	<1	6	7	66
Steel wire drawing	<1	18	19	146
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	19	24	185
Other aluminum rolling, drawing and extruding	<1	4	5	35

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	129	147	1,853
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	157	173	586
Nonferrous metal foundries	<1	2	2	10
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	42	59	175
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	22	79	160
Handtool manufacturing	<1	87	172	397
Prefabricated metal buildings and components manufacturing	<1	72	122	354
Fabricated structural metal manufacturing	<1	405	714	2,278
Plate work manufacturing	<1	196	225	696
Metal window and door manufacturing	<1	397	624	1,712
Sheet metal work manufacturing	<1	281	426	1,150
Ornamental and architectural metal work manufacturing	<1	147	218	594
Power boiler and heat exchanger manufacturing	<1	8	13	39
Metal tank (heavy gauge) manufacturing	<1	81	117	390
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	20	28	121
Hardware manufacturing	<1	76	143	401
Spring and wire product manufacturing	<1	35	55	172
Machine shops	<1	773	1,049	2,222
Turned product and screw, nut, and bolt manufacturing	<1	82	143	391
Metal heat treating	<1	142	242	619
Metal coating and nonprecious engraving	<1	69	152	380
Electroplating, anodizing, and coloring metal	<1	324	395	938
Valve and fittings, other than plumbing, manufacturing	<1	100	192	590

Appendix

Plumbing fixture fitting and trim manufacturing	<1	22	81	284
Ball and roller bearing manufacturing	<1	32	74	224
Small arms ammunition manufacturing	<1	10	27	79
Ammunition, except for small arms, manufacturing	<1	5	7	17
Small arms, ordnance, and accessories manufacturing	<1	18	43	99
Fabricated pipe and pipe fitting manufacturing	<1	160	225	593
Other fabricated metal manufacturing	<1	333	502	1,287
Farm machinery and equipment manufacturing	<1	110	169	736
Lawn and garden equipment manufacturing	<1	91	136	846
Construction machinery manufacturing	<1	131	233	856
Mining machinery and equipment manufacturing	<1	6	8	28
Oil and gas field machinery and equipment manufacturing	<1	63	89	398
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	4	4	12
Sawmill, woodworking, and paper machinery	<1	5	6	17
Printing machinery and equipment manufacturing	<1	5	5	13
All other industrial machinery manufacturing	<1	21	24	72
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	1	1	5
Other commercial service industry machinery manufacturing	<1	82	110	358
Air purification and ventilation equipment manufacturing	<1	28	33	100
Heating equipment (except warm air furnaces) manufacturing	<1	128	167	703
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	328	485	2,016
Industrial mold manufacturing	<1	21	22	50
Special tool, die, jig, and fixture manufacturing	<1	8	9	20

Appendix

Cutting tool and machine tool accessory manufacturing	<1	49	52	140
Machine tool manufacturing	<1	5	6	21
Rolling mill and other metalworking machinery manufacturing	<1	11	12	32
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	<1	29	37	124
Mechanical power transmission equipment manufacturing	<1	214	282	650
Other engine equipment manufacturing	<1	50	82	558
Pump and pumping equipment manufacturing	<1	22	31	135
Air and gas compressor manufacturing	<1	1	2	7
Elevator and moving stairway manufacturing	<1	3	3	15
Conveyor and conveying equipment manufacturing	<1	47	50	163
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	4	21
Industrial truck, trailer, and stacker manufacturing	<1	33	45	175
Power-driven handtool manufacturing	<1	3	7	28
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	1
Industrial process furnace and oven manufacturing	<1	2	2	4
Fluid power cylinder and actuator manufacturing	<1	18	22	78
Fluid power pump and motor manufacturing	<1	24	32	132
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	14	16	49
Electronic computer manufacturing	<1	<1	<1	5
Computer storage device manufacturing	<1	<1	3	8
Computer terminals and other computer peripheral equipment manufacturing	<1	1	3	8
Telephone apparatus manufacturing	<1	28	58	132

Appendix

Broadcast and wireless communications equipment manufacturing	<1	7	13	32
Other communications equipment manufacturing	<1	1	3	8
Audio and video equipment manufacturing	<1	6	12	39
Printed circuit assembly (electronic assembly) manufacturing	<1	10	24	88
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	5	18
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	23	38	101
Electronic connector manufacturing	<1	97	183	448
Other electronic component manufacturing	<1	23	37	122
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	2	4
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	12	24	54
Totalizing fluid meter and counting device manufacturing	<1	1	4	8
Electricity and signal testing instruments manufacturing	<1	1	2	7
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	2	5	12
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	80	128	258
Small electrical appliance manufacturing	<1	7	17	43

Appendix

Household cooking appliance manufacturing	<1	11	26	59
Household refrigerator and home freezer manufacturing	<1	12	29	64
Household laundry equipment manufacturing	<1	29	52	145
Other major household appliance manufacturing	<1	5	12	25
Power, distribution, and specialty transformer manufacturing	<1	11	18	45
Motor and generator manufacturing	<1	54	97	215
Switchgear and switchboard apparatus manufacturing	<1	18	33	92
Relay and industrial control manufacturing	<1	29	42	114
Storage battery manufacturing	<1	483	765	1,994
Primary battery manufacturing	<1	323	664	1,271
Fiber optic cable manufacturing	<1	13	16	82
Other communication and energy wire manufacturing	<1	5	8	32
Wiring device manufacturing	<1	24	53	170
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	1	2	6
Automobile manufacturing	<1	1,297	3,454	14,417
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1	2	16
Motor vehicle body manufacturing	<1	71	90	354
Truck trailer manufacturing	<1	5	7	32
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	511	574	2,840
Motor vehicle gasoline engine and engine parts manufacturing	<1	83	118	670
Motor vehicle electrical and electronic equipment manufacturing	<1	526	681	4,227
Motor vehicle transmission and power train parts manufacturing	<1	273	387	2,182
Motor vehicle seating and interior trim manufacturing	<1	72	87	513
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	796	1,072	5,424

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	45	106	372
Aircraft engine and engine parts manufacturing	<1	2	3	10
Other aircraft parts and auxiliary equipment manufacturing	<1	46	67	180
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	24	29	147
Ship building and repairing	0	0	0	0
Boat building	<1	701	938	2,746
Motorcycle, bicycle, and parts manufacturing	<1	3	9	28
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	134	242	985
Wood kitchen cabinet and countertop manufacturing	<1	907	1,333	3,432
Upholstered household furniture manufacturing	<1	3	4	21
Nonupholstered wood household furniture manufacturing	<1	13	16	53
Other household nonupholstered furniture manufacturing	<1	3	5	28
Institutional furniture manufacturing	<1	31	35	123
Wood office furniture manufacturing	<1	53	77	246
Custom architectural woodwork and millwork	<1	7	7	23
Office furniture, except wood, manufacturing	<1	2,802	5,122	14,113
Showcase, partition, shelving, and locker manufacturing	<1	110	171	417
Mattress manufacturing	<1	83	156	536
Blind and shade manufacturing	<1	2	2	8
Surgical and medical instrument manufacturing	<1	42	69	197
Surgical appliance and supplies manufacturing	<1	56	99	322
Dental equipment and supplies manufacturing	<1	<1	<1	1

Appendix

Ophthalmic goods manufacturing	<1	19	32	82
Dental laboratories	<1	90	93	163
Jewelry and silverware manufacturing	<1	104	178	516
Sporting and athletic goods manufacturing	<1	103	137	465
Doll, toy, and game manufacturing	<1	71	104	431
Office supplies (except paper) manufacturing	<1	10	14	71
Sign manufacturing	<1	751	635	1,694
Gasket, packing, and sealing device manufacturing	<1	36	43	122
Musical instrument manufacturing	<1	7	8	31
Fasteners, buttons, needles, and pins manufacturing	<1	34	43	124
Broom, brush, and mop manufacturing	<1	165	210	681
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	134	174	603
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,996	6,769	15,987
Wholesale - Professional and commercial equipment and supplies	<1	13,203	20,477	34,988
Wholesale - Household appliances and electrical and electronic goods	<1	2,753	6,527	13,662
Wholesale - Machinery, equipment, and supplies	<1	6,811	12,877	22,838
Wholesale - Other durable goods merchant wholesalers	<1	14,218	23,686	44,446
Wholesale - Drugs and druggists' sundries	<1	7,019	20,869	35,617
Wholesale - Grocery and related product wholesalers	<1	8,471	11,605	22,307
Wholesale - Petroleum and petroleum products	<1	7,773	44,938	58,043
Wholesale - Other nondurable goods merchant wholesalers	<1	24,562	45,771	90,117
Wholesale - Wholesale electronic markets and agents and brokers	<1	31,900	32,978	38,104
Retail - Motor vehicle and parts dealers	<1	10,043	18,457	26,825
Retail - Furniture and home furnishings stores	<1	5,158	7,525	12,306
Retail - Electronics and appliance stores	<1	5,593	6,350	10,774

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Retail - Building material and garden equipment and supplies stores	<1	5,859	12,609	18,391
Retail - Food and beverage stores	<1	16,463	24,214	40,262
Retail - Health and personal care stores	<1	11,005	14,528	22,438
Retail - Gasoline stores	<1	7,728	17,242	33,301
Retail - Clothing and clothing accessories stores	<1	4,846	9,775	20,712
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,315	6,228	10,336
Retail - General merchandise stores	<1	17,147	27,506	44,744
Retail - Miscellaneous store retailers	<1	6,688	9,962	17,532
Retail - Nonstore retailers	<1	6,975	27,434	66,932
Air transportation	<1	2,667	4,938	12,339
Rail transportation	<1	6,117	20,025	29,521
Water transportation	<1	43	50	585
Truck transportation	4	248,792	302,081	578,478
Transit and ground passenger transportation	<1	5,414	6,295	9,745
Pipeline transportation	<1	72,772	35,395	37,836
Scenic and sightseeing transportation and support activities for transportation	<1	29,411	33,171	67,402
Couriers and messengers	<1	16,310	23,666	36,902
Warehousing and storage	<1	19,330	21,664	41,742
Newspaper publishers	<1	1,660	3,802	5,240
Periodical publishers	<1	2,380	4,886	8,471
Book publishers	<1	1,226	5,837	9,699
Directory, mailing list, and other publishers	<1	27,009	109,347	153,352
Greeting card publishing	0	0	0	0
Software publishers	<1	3,865	11,742	13,329
Motion picture and video industries	<1	2,045	2,673	10,249
Sound recording industries	<1	528	1,501	4,753
Radio and television broadcasting	<1	6,783	9,872	43,389
Cable and other subscription programming	<1	11	110	319
Wired telecommunications carriers	<1	36,802	50,257	69,599
Wireless telecommunications carriers (except satellite)	<1	11,062	32,847	67,683

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	5,007	5,592	8,408
Data processing, hosting, and related services	<1	13,775	23,599	80,460
News syndicates, libraries, archives and all other information services	<1	1,522	2,018	7,113
Internet publishing and broadcasting and web search portals	<1	8,645	16,547	97,128
Nondepository credit intermediation and related activities	<1	26,488	30,536	52,229
Securities and commodity contracts intermediation and brokerage	<1	20,782	16,835	47,220
Monetary authorities and depository credit intermediation	<1	69,132	121,192	281,664
Other financial investment activities	<1	19,200	22,059	83,076
Direct life insurance carriers	<1	3,602	6,677	9,928
Insurance carriers, except direct life	<1	26,756	80,066	187,223
Insurance agencies, brokerages, and related activities	2	173,022	266,969	660,087
Funds, trusts, and other financial vehicles	<1	8,398	14,454	49,083
Other real estate	3	63,590	202,080	592,209
Tenant-occupied housing	<1	3,509	55,748	64,186
Owner-occupied dwellings	0	0	205,080	260,340
Automotive equipment rental and leasing	<1	31,640	66,799	74,908
General and consumer goods rental except video tapes and discs	<1	11,270	12,735	14,918
Video tape and disc rental	<1	1,017	1,792	2,461
Commercial and industrial machinery and equipment rental and leasing	<1	44,730	88,454	99,369
Lessors of nonfinancial intangible assets	<1	228	30,027	30,763
Legal services	<1	41,552	70,827	106,293
Accounting, tax preparation, bookkeeping, and payroll services	<1	31,100	42,343	64,531
Architectural, engineering, and related services	1	109,455	120,275	212,172
Specialized design services	<1	4,464	7,261	11,257
Custom computer programming services	<1	17,945	19,876	28,980

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Computer systems design services	<1	21,123	21,247	27,481
Other computer related services, including facilities management	<1	6,593	14,535	22,877
Management consulting services	1	75,314	78,749	135,779
Environmental and other technical consulting services	<1	11,495	12,141	18,746
Scientific research and development services	14	1,009,177	1,503,111	3,037,020
Advertising, public relations, and related services	<1	16,072	23,715	45,402
Photographic services	<1	612	1,562	3,238
Veterinary services	<1	2,631	3,328	5,549
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	19,713	38,241	75,131
Management of companies and enterprises	1	125,643	159,595	263,777
Office administrative services	<1	27,257	16,807	31,929
Facilities support services	<1	2,657	4,380	9,440
Employment services	2	73,461	117,206	177,822
Business support services	2	88,264	79,507	139,282
Travel arrangement and reservation services	<1	2,834	3,944	9,031
Investigation and security services	<1	7,336	7,296	11,104
Services to buildings	<1	14,166	20,876	38,665
Landscape and horticultural services	2	80,090	102,491	177,757
Other support services	<1	15,675	21,154	42,181
Waste management and remediation services	<1	6,103	10,325	20,099
Elementary and secondary schools	<1	2,937	2,647	3,311
Junior colleges, colleges, universities, and professional schools	4	112,667	160,183	233,437
Other educational services	<1	6,488	7,392	13,983
Offices of physicians	<1	66,504	68,553	95,529
Offices of dentists	<1	15,464	17,967	25,395
Offices of other health practitioners	<1	12,033	15,584	21,496
Outpatient care centers	<1	12,585	11,365	20,767
Medical and diagnostic laboratories	<1	5,906	7,581	11,197
Home health care services	<1	13,414	12,719	16,319
Other ambulatory health care services	<1	3,249	3,491	5,648

Appendix

Hospitals	1	78,702	92,694	185,551
Nursing and community care facilities	<1	16,341	18,758	34,599
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,981	5,473	8,868
Individual and family services	<1	17,291	15,481	24,467
Child day care services	<1	4,979	7,394	10,493
Community food, housing, and other relief services, including rehabilitation services	<1	4,168	4,130	10,052
Performing arts companies	<1	635	1,096	4,009
Commercial Sports Except Racing	<1	1,163	699	3,688
Racing and Track Operation	<1	180	403	1,044
Independent artists, writers, and performers	<1	252	1,247	3,082
Promoters of performing arts and sports and agents for public figures	<1	1,057	2,542	11,134
Museums, historical sites, zoos, and parks	<1	494	629	1,462
Amusement parks and arcades	<1	228	451	719
Gambling industries (except casino hotels)	<1	2,257	7,878	12,087
Other amusement and recreation industries	<1	2,813	3,230	6,161
Fitness and recreational sports centers	<1	2,350	3,121	5,941
Bowling centers	<1	371	562	1,179
Hotels and motels, including casino hotels	<1	1,471	3,420	5,842
Other accommodations	<1	329	466	670
Full-service restaurants	1	31,779	46,727	85,609
Limited-service restaurants	1	19,684	32,448	73,964
All other food and drinking places	<1	20,051	28,333	44,822
Automotive repair and maintenance, except car washes	<1	25,202	33,854	47,822
Car washes	<1	8,545	15,240	22,695
Electronic and precision equipment repair and maintenance	<1	21,200	25,227	43,158
Commercial and industrial machinery and equipment repair and maintenance	<1	12,292	12,423	18,295
Personal and household goods repair and maintenance	<1	2,545	4,851	7,117
Personal care services	<1	8,321	7,953	10,551
Death care services	<1	1,973	1,568	2,205

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Dry-cleaning and laundry services	<1	4,776	3,595	4,730
Other personal services	<1	3,984	5,251	7,719
Religious organizations	<1	20,359	12,271	39,941
Grantmaking, giving, and social advocacy organizations	<1	3,093	11,016	16,726
Business and professional associations	<1	9,459	17,867	31,058
Labor and civic organizations	<1	3,212	10,170	17,688
Private households	<1	2,563	2,563	2,563
Postal service	<1	14,678	14,684	15,764
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	87,045	-791,029	81,401
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	266	-72	405
Local government electric utilities	<1	2,616	8,451	13,908
Other local government enterprises	<1	15,433	38,496	74,984
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	184,011	240,451	550,088

Kentucky

NASA

Table 676: Detailed NASA Impacts by Types of Impact, Kentucky

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	168	10,278,152	15,809,983	32,732,834
Oilseed farming	<1	8,229	20,890	34,955
Grain farming	<1	8,445	7,315	43,799
Vegetable and melon farming	<1	478	778	1,537
Fruit farming	<1	134	228	355
Tree nut farming	<1	25	46	71
Greenhouse, nursery, and floriculture production	<1	828	1,109	2,088
Tobacco farming	<1	6,674	6,591	11,886
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,859	3,583	7,176
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,303	6,820	20,947
Dairy cattle and milk production	<1	458	844	4,387
Poultry and egg production	<1	1,250	2,156	19,767
Animal production, except cattle and poultry and eggs	<1	15,347	33,002	49,343
Forestry, forest products, and timber tract production	<1	163	176	217
Commercial logging	<1	2,758	2,660	3,592
Commercial fishing	<1	-5	173	284
Commercial hunting and trapping	<1	24	99	261
Support activities for agriculture and forestry	<1	11,844	9,855	12,407
Oil and gas extraction	<1	1,063	3,060	46,308
Coal mining	<1	4,704	9,995	20,288
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	15	29	54
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	1	2	5
Stone mining and quarrying	<1	1,290	3,921	8,315
Sand and gravel mining	<1	260	553	1,107

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Other clay, ceramic, refractory minerals mining	<1	15	29	67
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	1	2
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	23	33	119
Metal mining services	<1	15	40	568
Other nonmetallic minerals services	<1	33	58	273
Electric power generation - Hydroelectric	<1	29	95	161
Electric power generation - Fossil fuel	<1	6,801	31,191	80,373
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	87	821	1,272
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	72	48	110
Electric power transmission and distribution	<1	20,587	87,875	215,745
Natural gas distribution	<1	6,033	19,585	43,050
Water, sewage and other systems	<1	1,165	2,752	5,234
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	28,442	32,436	70,990
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	32,154	49,802	116,870
Maintenance and repair construction of residential structures	<1	11,536	17,328	41,144
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	14	22	52
Dog and cat food manufacturing	<1	473	1,074	4,757
Other animal food manufacturing	<1	1,945	2,938	23,454
Flour milling	<1	172	273	2,563
Rice milling	<1	33	46	331
Malt manufacturing	0	0	0	0
Wet corn milling	<1	493	1,088	6,751
Soybean and other oilseed processing	<1	95	365	4,625
Fats and oils refining and blending	<1	113	187	2,061
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	465	630	2,227
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	75	95	699
Frozen fruits, juices and vegetables manufacturing	<1	100	159	719
Frozen specialties manufacturing	<1	2,330	2,901	12,159
Canned fruits and vegetables manufacturing	<1	731	1,205	4,800
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	16	24	101
Cheese manufacturing	<1	448	587	6,628
Dry, condensed, and evaporated dairy product manufacturing	<1	528	989	7,982
Fluid milk manufacturing	<1	1,108	1,523	11,122
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	11	14	76
Frozen cakes and other pastries manufacturing	<1	732	1,008	2,086

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Poultry processing	<1	6,244	7,311	35,102
Animal, except poultry, slaughtering	<1	2,070	2,479	20,796
Meat processed from carcasses	<1	2,921	2,772	23,222
Rendering and meat byproduct processing	<1	228	206	1,323
Seafood product preparation and packaging	<1	15	17	121
Bread and bakery product, except frozen, manufacturing	<1	4,217	5,436	12,818
Cookie and cracker manufacturing	<1	3,268	4,168	14,944
Dry pasta, mixes, and dough manufacturing	<1	439	773	3,234
Tortilla manufacturing	<1	25	29	98
Roasted nuts and peanut butter manufacturing	<1	1,037	2,284	6,981
Other snack food manufacturing	<1	480	825	4,001
Coffee and tea manufacturing	<1	94	146	1,028
Flavoring syrup and concentrate manufacturing	<1	1,528	8,062	24,098
Mayonnaise, dressing, and sauce manufacturing	<1	132	212	1,138
Spice and extract manufacturing	<1	621	885	4,594
All other food manufacturing	<1	1,388	1,822	8,997
Bottled and canned soft drinks & water	<1	1,773	2,576	14,726
Manufactured ice	<1	164	59	441
Breweries	<1	476	1,011	3,759
Wineries	<1	219	341	1,957
Distilleries	<1	22,772	80,122	160,331
Tobacco product manufacturing	<1	1,864	39,731	72,477
Fiber, yarn, and thread mills	<1	20	36	123
Broadwoven fabric mills	<1	105	213	610
Narrow fabric mills and schiffli machine embroidery	<1	30	34	99
Nonwoven fabric mills	<1	321	748	2,434
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	11
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	26	55	94
Curtain and linen mills	<1	229	334	930
Textile bag and canvas mills	<1	281	371	1,182
Rope, cordage, twine, tire cord and tire fabric mills	<1	27	50	125
Other textile product mills	<1	146	194	545
Hosiery and sock mills	<1	14	16	47

Appendix

Other apparel knitting mills	<1	5	9	25
Cut and sew apparel contractors	<1	84	90	236
Mens and boys cut and sew apparel manufacturing	<1	288	292	821
Womens and girls cut and sew apparel manufacturing	<1	3	6	29
Other cut and sew apparel manufacturing	<1	18	21	83
Apparel accessories and other apparel manufacturing	<1	5	9	30
Leather and hide tanning and finishing	<1	<1	<1	8
Footwear manufacturing	<1	1	2	10
Other leather and allied product manufacturing	<1	9	10	44
Sawmills	<1	2,122	2,494	11,967
Wood preservation	<1	253	386	2,037
Veneer and plywood manufacturing	<1	583	675	2,470
Engineered wood member and truss manufacturing	<1	236	274	952
Reconstituted wood product manufacturing	<1	220	313	1,061
Wood windows and door manufacturing	<1	792	890	3,096
Cut stock, resawing lumber, and planing	<1	880	1,055	3,635
Other millwork, including flooring	<1	1,625	1,913	6,738
Wood container and pallet manufacturing	<1	1,716	1,878	5,012
Manufactured home (mobile home) manufacturing	<1	<1	<1	3
Prefabricated wood building manufacturing	<1	128	143	508
All other miscellaneous wood product manufacturing	<1	523	585	2,058
Pulp mills	<1	117	224	834
Paper mills	<1	3,727	10,849	30,439
Paperboard mills	<1	206	663	2,095
Paperboard container manufacturing	<1	3,704	6,795	24,977
Paper bag and coated and treated paper manufacturing	<1	3,921	9,116	25,113
Stationery product manufacturing	<1	309	547	1,747
Sanitary paper product manufacturing	<1	1,480	6,230	15,515
All other converted paper product manufacturing	<1	899	1,540	3,905

Appendix

Printing	<1	23,026	33,826	71,193
Support activities for printing	<1	643	885	1,240
Petroleum refineries	<1	4,277	40,201	150,748
Asphalt paving mixture and block manufacturing	<1	350	618	2,685
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	54	246	453
All other petroleum and coal products manufacturing	<1	713	3,683	8,148
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	241	355	1,636
Synthetic dye and pigment manufacturing	<1	163	224	844
Other basic inorganic chemical manufacturing	<1	604	891	3,976
Other basic organic chemical manufacturing	<1	1,825	2,692	23,304
Plastics material and resin manufacturing	<1	3,716	4,815	38,468
Synthetic rubber manufacturing	<1	612	739	3,398
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	81	132	671
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	26	37	160
Pesticide and other agricultural chemical manufacturing	<1	69	136	1,108
Medicinal and botanical manufacturing	<1	370	429	1,314
Pharmaceutical preparation manufacturing	<1	1,052	2,141	8,956
In-vitro diagnostic substance manufacturing	<1	101	118	418
Biological product (except diagnostic) manufacturing	<1	16	23	59
Paint and coating manufacturing	<1	1,128	1,544	7,949
Adhesive manufacturing	<1	535	658	3,199
Soap and other detergent manufacturing	<1	828	1,572	8,949
Polish and other sanitation good manufacturing	<1	256	312	1,216
Surface active agent manufacturing	<1	236	472	2,442
Toilet preparation manufacturing	<1	457	853	3,057
Printing ink manufacturing	<1	416	437	1,596

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Explosives manufacturing	<1	46	49	159
Custom compounding of purchased resins	<1	348	471	1,808
Photographic film and chemical manufacturing	<1	270	426	2,913
Other miscellaneous chemical product manufacturing	<1	709	902	4,425
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,375	3,932	13,954
Unlaminated plastics profile shape manufacturing	<1	457	1,012	2,804
Plastics pipe and pipe fitting manufacturing	<1	347	957	3,543
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	59	111	300
Polystyrene foam product manufacturing	<1	1,324	2,270	8,939
Urethane and other foam product (except polystyrene) manufacturing	<1	418	683	2,762
Plastics bottle manufacturing	<1	366	590	2,432
Other plastics product manufacturing	<1	7,188	10,533	32,390
Tire manufacturing	<1	267	412	2,037
Rubber and plastics hoses and belting manufacturing	<1	993	1,489	4,074
Other rubber product manufacturing	<1	2,337	3,325	11,959
Pottery, ceramics, and plumbing fixture manufacturing	<1	151	204	546
Brick, tile, and other structural clay product manufacturing	<1	1,462	2,248	5,181
Flat glass manufacturing	<1	613	1,098	2,027
Other pressed and blown glass and glassware manufacturing	<1	319	495	905
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,227	1,874	4,309
Cement manufacturing	<1	527	1,077	2,729
Ready-mix concrete manufacturing	<1	2,767	4,233	14,766
Concrete block and brick manufacturing	<1	1,454	2,322	5,755
Concrete pipe manufacturing	<1	71	106	271
Other concrete product manufacturing	<1	1,225	1,587	3,985
Lime manufacturing	<1	303	616	1,585
Gypsum product manufacturing	<1	237	521	1,365

Appendix

Abrasive product manufacturing	<1	61	140	268
Cut stone and stone product manufacturing	<1	622	711	1,550
Ground or treated mineral and earth manufacturing	<1	288	634	1,523
Mineral wool manufacturing	<1	205	411	1,238
Miscellaneous nonmetallic mineral products manufacturing	<1	335	780	2,218
Iron and steel mills and ferroalloy manufacturing	<1	1,781	4,752	21,606
Iron, steel pipe and tube manufacturing from purchased steel	<1	279	679	2,655
Rolled steel shape manufacturing	<1	202	660	2,121
Steel wire drawing	<1	74	150	625
Alumina refining and primary aluminum production	<1	948	1,885	9,070
Secondary smelting and alloying of aluminum	<1	471	1,074	5,956
Aluminum sheet, plate, and foil manufacturing	<1	3,814	11,104	34,540
Other aluminum rolling, drawing and extruding	<1	211	380	1,414
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	2,722	5,500	29,182
Nonferrous metal, except copper and aluminum, shaping	<1	326	468	1,691
Secondary processing of other nonferrous metals	<1	69	192	849
Ferrous metal foundries	<1	208	412	930
Nonferrous metal foundries	<1	942	1,726	3,708
Custom roll forming	<1	525	913	4,135
Crown and closure manufacturing and metal stamping	<1	1,911	2,477	7,962
Iron and steel forging	<1	5,654	9,458	33,428
Nonferrous forging	<1	1,970	2,934	10,852
Cutlery, utensil, pot, and pan manufacturing	<1	30	81	297
Handtool manufacturing	<1	104	175	412
Prefabricated metal buildings and components manufacturing	<1	259	377	1,326
Fabricated structural metal manufacturing	<1	750	1,140	3,884
Plate work manufacturing	<1	411	462	1,427
Metal window and door manufacturing	<1	147	205	614
Sheet metal work manufacturing	<1	4,611	6,211	16,108

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Ornamental and architectural metal work manufacturing	<1	345	463	1,565
Power boiler and heat exchanger manufacturing	<1	27	40	95
Metal tank (heavy gauge) manufacturing	<1	155	202	583
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	117	149	593
Hardware manufacturing	<1	502	805	2,381
Spring and wire product manufacturing	<1	1,225	1,712	4,924
Machine shops	<1	3,251	4,057	8,913
Turned product and screw, nut, and bolt manufacturing	<1	826	1,244	3,575
Metal heat treating	<1	306	448	919
Metal coating and nonprecious engraving	<1	1,480	2,631	5,409
Electroplating, anodizing, and coloring metal	<1	417	488	1,282
Valve and fittings, other than plumbing, manufacturing	<1	51	84	248
Plumbing fixture fitting and trim manufacturing	<1	70	205	799
Ball and roller bearing manufacturing	<1	352	654	1,933
Small arms ammunition manufacturing	<1	107	233	535
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,079	2,056	3,901
Fabricated pipe and pipe fitting manufacturing	<1	25	34	154
Other fabricated metal manufacturing	<1	685	926	2,686
Farm machinery and equipment manufacturing	<1	45,476	67,244	345,524
Lawn and garden equipment manufacturing	<1	13	20	132
Construction machinery manufacturing	<1	175	305	1,086
Mining machinery and equipment manufacturing	<1	45	60	182
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	3	10

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Sawmill, woodworking, and paper machinery	<1	29	31	133
Printing machinery and equipment manufacturing	<1	10	10	27
All other industrial machinery manufacturing	<1	28	32	92
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	6	7	24
Other commercial service industry machinery manufacturing	<1	71	99	402
Air purification and ventilation equipment manufacturing	<1	231	282	796
Heating equipment (except warm air furnaces) manufacturing	<1	61	78	296
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	471	692	2,195
Industrial mold manufacturing	<1	137	149	354
Special tool, die, jig, and fixture manufacturing	<1	178	207	442
Cutting tool and machine tool accessory manufacturing	<1	155	166	438
Machine tool manufacturing	<1	72	82	223
Rolling mill and other metalworking machinery manufacturing	<1	3	4	9
Turbine and turbine generator set units manufacturing	<1	2	3	10
Speed changer, industrial high-speed drive, and gear manufacturing	<1	38	49	163
Mechanical power transmission equipment manufacturing	<1	28	38	106
Other engine equipment manufacturing	<1	579	976	7,383
Pump and pumping equipment manufacturing	<1	48	69	268
Air and gas compressor manufacturing	<1	4	7	33
Elevator and moving stairway manufacturing	<1	44	54	195
Conveyor and conveying equipment manufacturing	<1	193	208	624
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	5	18
Industrial truck, trailer, and stacker manufacturing	<1	128	176	648

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	22	27	99
Packaging machinery manufacturing	<1	33	41	112
Industrial process furnace and oven manufacturing	<1	4	5	12
Fluid power cylinder and actuator manufacturing	<1	647	802	2,251
Fluid power pump and motor manufacturing	<1	729	978	4,503
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	78	87	235
Electronic computer manufacturing	<1	417	1,101	4,666
Computer storage device manufacturing	<1	162	528	1,250
Computer terminals and other computer peripheral equipment manufacturing	1	255,336	512,427	809,577
Telephone apparatus manufacturing	<1	24	44	98
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	156	317	822
Audio and video equipment manufacturing	<1	33	68	233
Printed circuit assembly (electronic assembly) manufacturing	<1	7	16	53
Bare printed circuit board manufacturing	<1	77	115	270
Semiconductor and related device manufacturing	<1	63	129	407
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	122	197	461
Electronic connector manufacturing	<1	355	638	1,455
Other electronic component manufacturing	<1	355	545	1,656
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	5
Search, detection, and navigation instruments manufacturing	<1	1	3	6
Automatic environmental control manufacturing	<1	132	197	408

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Industrial process variable instruments manufacturing	<1	13	24	52
Totalizing fluid meter and counting device manufacturing	<1	18	50	133
Electricity and signal testing instruments manufacturing	<1	22	43	152
Analytical laboratory instrument manufacturing	<1	10,963	23,430	57,693
Irradiation apparatus manufacturing	<1	<1	1	4
Watch, clock, and other measuring and controlling device manufacturing	<1	5	11	26
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	25	42	65
Electric lamp bulb and part manufacturing	<1	1,100	1,481	3,749
Lighting fixture manufacturing	<1	92	108	366
Small electrical appliance manufacturing	<1	34	46	153
Household cooking appliance manufacturing	<1	1,831	2,445	8,275
Household refrigerator and home freezer manufacturing	<1	1,950	2,644	8,732
Household laundry equipment manufacturing	<1	4,580	5,569	21,700
Other major household appliance manufacturing	<1	742	1,030	3,247
Power, distribution, and specialty transformer manufacturing	<1	10	11	29
Motor and generator manufacturing	<1	278	351	1,581
Switchgear and switchboard apparatus manufacturing	<1	324	404	1,302
Relay and industrial control manufacturing	<1	196	222	649
Storage battery manufacturing	<1	1,480	1,682	5,559
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	139	155	698
Other communication and energy wire manufacturing	<1	38	45	213
Wiring device manufacturing	<1	762	967	2,774
Carbon and graphite product manufacturing	<1	80	100	430
All other miscellaneous electrical equipment and component manufacturing	<1	982	1,016	3,385
Automobile manufacturing	<1	3,340	8,843	35,956

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Light truck and utility vehicle manufacturing	<1	1,942	2,937	34,125
Heavy duty truck manufacturing	<1	2	4	22
Motor vehicle body manufacturing	<1	97	119	434
Truck trailer manufacturing	<1	6	7	29
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	268	285	1,011
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,610	2,147	13,732
Motor vehicle electrical and electronic equipment manufacturing	<1	2,501	2,882	15,994
Motor vehicle transmission and power train parts manufacturing	<1	4,661	6,424	33,815
Motor vehicle seating and interior trim manufacturing	<1	1,183	1,287	7,842
Motor vehicle metal stamping	<1	6,267	7,092	29,501
Other motor vehicle parts manufacturing	<1	5,820	7,056	35,749
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4,271	6,078	26,428
Aircraft manufacturing	<1	8	16	66
Aircraft engine and engine parts manufacturing	<1	85	186	523
Other aircraft parts and auxiliary equipment manufacturing	<1	26	36	104
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	13
Ship building and repairing	<1	98	118	283
Boat building	<1	101	134	691
Motorcycle, bicycle, and parts manufacturing	<1	40	118	490
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	40	70	327
Wood kitchen cabinet and countertop manufacturing	<1	937	1,181	2,929
Upholstered household furniture manufacturing	<1	3	4	13

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Nonupholstered wood household furniture manufacturing	<1	67	77	255
Other household nonupholstered furniture manufacturing	<1	79	116	395
Institutional furniture manufacturing	<1	18,335	20,167	52,969
Wood office furniture manufacturing	<1	6	8	29
Custom architectural woodwork and millwork	<1	6	6	20
Office furniture, except wood, manufacturing	<1	35	55	173
Showcase, partition, shelving, and locker manufacturing	<1	234	313	1,021
Mattress manufacturing	<1	262	429	1,778
Blind and shade manufacturing	<1	1	1	6
Surgical and medical instrument manufacturing	<1	11	15	31
Surgical appliance and supplies manufacturing	<1	383	531	1,723
Dental equipment and supplies manufacturing	<1	29	36	102
Ophthalmic goods manufacturing	<1	75	100	273
Dental laboratories	<1	170	174	321
Jewelry and silverware manufacturing	<1	334	506	1,461
Sporting and athletic goods manufacturing	<1	253	296	1,122
Doll, toy, and game manufacturing	<1	24	29	136
Office supplies (except paper) manufacturing	<1	210	247	827
Sign manufacturing	<1	988	806	2,085
Gasket, packing, and sealing device manufacturing	<1	348	379	1,006
Musical instrument manufacturing	<1	19	20	67
Fasteners, buttons, needles, and pins manufacturing	<1	289	325	846
Broom, brush, and mop manufacturing	<1	253	265	923
Burial casket manufacturing	<1	102	115	306
All other miscellaneous manufacturing	<1	567	675	2,421
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,987	9,608	21,051
Wholesale - Professional and commercial equipment and supplies	<1	34,725	57,824	97,939

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Wholesale - Household appliances and electrical and electronic goods	<1	11,919	30,354	63,508
Wholesale - Machinery, equipment, and supplies	<1	17,251	34,860	59,727
Wholesale - Other durable goods merchant wholesalers	<1	24,661	44,894	85,003
Wholesale - Drugs and druggists' sundries	<1	19,432	61,519	110,439
Wholesale - Grocery and related product wholesalers	<1	24,996	35,389	69,306
Wholesale - Petroleum and petroleum products	<1	4,516	70,366	81,256
Wholesale - Other nondurable goods merchant wholesalers	<1	38,359	86,741	161,019
Wholesale - Wholesale electronic markets and agents and brokers	<1	19,348	20,212	23,843
Retail - Motor vehicle and parts dealers	<1	30,265	45,517	70,246
Retail - Furniture and home furnishings stores	<1	13,788	17,165	30,070
Retail - Electronics and appliance stores	<1	14,268	12,944	23,571
Retail - Building material and garden equipment and supplies stores	<1	19,851	33,993	52,173
Retail - Food and beverage stores	1	38,685	51,545	92,033
Retail - Health and personal care stores	<1	36,426	43,881	67,318
Retail - Gasoline stores	<1	14,526	24,528	52,332
Retail - Clothing and clothing accessories stores	<1	14,665	23,032	54,491
Retail - Sporting goods, hobby, musical instrument and book stores	<1	10,321	13,118	24,072
Retail - General merchandise stores	2	50,966	70,276	120,960
Retail - Miscellaneous store retailers	1	20,869	24,285	46,370
Retail - Nonstore retailers	1	21,382	70,522	156,405
Air transportation	<1	8,829	16,956	35,258
Rail transportation	<1	6,835	15,994	27,066
Water transportation	<1	6,598	7,649	28,967
Truck transportation	1	83,111	97,446	193,249
Transit and ground passenger transportation	<1	9,189	11,424	18,489
Pipeline transportation	<1	6,833	11,826	14,885
Scenic and sightseeing transportation and support activities for transportation	<1	52,356	55,897	111,376

Appendix

Couriers and messengers	<1	34,154	40,167	55,231
Warehousing and storage	<1	44,297	48,011	87,715
Newspaper publishers	<1	7,334	12,450	16,560
Periodical publishers	<1	3,118	4,924	7,995
Book publishers	<1	2,878	8,711	15,873
Directory, mailing list, and other publishers	<1	1,314	3,618	5,286
Greeting card publishing	0	0	0	0
Software publishers	<1	92,863	203,942	236,340
Motion picture and video industries	<1	4,307	6,925	26,754
Sound recording industries	<1	387	2,110	5,823
Radio and television broadcasting	<1	26,899	34,668	103,358
Cable and other subscription programming	<1	202	1,082	2,730
Wired telecommunications carriers	<1	28,419	67,466	125,201
Wireless telecommunications carriers (except satellite)	<1	6,704	46,143	122,732
Satellite, telecommunications resellers, and all other telecommunications	<1	2,730	4,462	11,122
Data processing, hosting, and related services	1	99,074	164,281	484,728
News syndicates, libraries, archives and all other information services	<1	827	1,004	3,322
Internet publishing and broadcasting and web search portals	<1	8,834	15,309	80,189
Nondepository credit intermediation and related activities	<1	31,321	38,349	72,920
Securities and commodity contracts intermediation and brokerage	<1	69,402	65,785	121,319
Monetary authorities and depository credit intermediation	2	149,095	353,052	681,881
Other financial investment activities	<1	25,667	34,482	87,938
Direct life insurance carriers	<1	6,494	10,984	15,843
Insurance carriers, except direct life	<1	68,542	175,842	378,601
Insurance agencies, brokerages, and related activities	<1	58,340	81,959	211,065
Funds, trusts, and other financial vehicles	<1	9,519	14,103	77,752
Other real estate	8	156,122	527,261	1,420,692
Tenant-occupied housing	<1	11,243	140,533	164,818

Appendix

Owner-occupied dwellings	0	0	571,351	725,305
Automotive equipment rental and leasing	<1	7,348	28,215	41,141
General and consumer goods rental except video tapes and discs	<1	9,090	12,749	24,471
Video tape and disc rental	<1	2,314	4,238	6,779
Commercial and industrial machinery and equipment rental and leasing	<1	8,320	26,473	37,741
Lessors of nonfinancial intangible assets	<1	25	11,275	16,657
Legal services	2	170,841	288,810	429,909
Accounting, tax preparation, bookkeeping, and payroll services	1	75,303	87,729	136,160
Architectural, engineering, and related services	1	82,710	87,036	159,646
Specialized design services	<1	3,662	4,840	8,081
Custom computer programming services	<1	17,510	18,928	27,902
Computer systems design services	<1	29,659	27,181	37,064
Other computer related services, including facilities management	<1	12,325	17,083	35,928
Management consulting services	2	161,270	164,984	292,861
Environmental and other technical consulting services	<1	26,398	27,100	44,188
Scientific research and development services	45	3,203,073	4,004,342	8,919,347
Advertising, public relations, and related services	<1	39,416	48,393	100,424
Photographic services	<1	1,508	2,737	6,714
Veterinary services	<1	9,272	10,434	16,827
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	33,937	49,461	106,388
Management of companies and enterprises	2	253,165	314,373	533,013
Office administrative services	1	63,103	19,589	60,191
Facilities support services	<1	5,436	7,607	20,473
Employment services	7	259,449	359,910	570,998
Business support services	1	44,497	35,484	68,401
Travel arrangement and reservation services	<1	5,281	6,563	16,815
Investigation and security services	<1	22,812	21,934	34,156
Services to buildings	1	38,628	50,058	95,026
Landscape and horticultural services	<1	26,320	30,910	56,661

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Other support services	<1	15,410	18,899	39,472
Waste management and remediation services	<1	18,977	31,056	59,853
Elementary and secondary schools	<1	8,581	6,898	8,483
Junior colleges, colleges, universities, and professional schools	10	318,565	406,559	620,029
Other educational services	<1	11,420	12,478	26,335
Offices of physicians	2	220,686	231,093	326,869
Offices of dentists	<1	34,825	43,497	63,284
Offices of other health practitioners	<1	35,263	50,724	67,556
Outpatient care centers	<1	48,540	44,164	74,562
Medical and diagnostic laboratories	<1	11,461	16,410	24,382
Home health care services	<1	35,476	33,803	41,434
Other ambulatory health care services	<1	11,021	12,277	19,926
Hospitals	4	289,914	345,142	688,614
Nursing and community care facilities	1	48,800	55,831	97,370
Residential mental retardation, mental health, substance abuse and other facilities	<1	20,140	21,827	32,733
Individual and family services	2	50,381	42,847	64,807
Child day care services	<1	14,572	20,913	29,853
Community food, housing, and other relief services, including rehabilitation services	<1	13,273	13,100	29,195
Performing arts companies	<1	2,571	3,351	6,856
Commercial Sports Except Racing	<1	8,011	2,422	9,415
Racing and Track Operation	<1	1,968	3,382	5,883
Independent artists, writers, and performers	<1	1,259	2,929	5,417
Promoters of performing arts and sports and agents for public figures	<1	4,418	6,743	17,201
Museums, historical sites, zoos, and parks	<1	3,469	4,058	8,280
Amusement parks and arcades	<1	932	2,366	3,888
Gambling industries (except casino hotels)	<1	6,174	16,156	26,555
Other amusement and recreation industries	<1	5,929	7,197	16,228
Fitness and recreational sports centers	<1	4,489	6,494	14,893
Bowling centers	<1	639	1,012	2,064

Appendix

Hotels and motels, including casino hotels	<1	6,557	11,071	18,871
Other accommodations	<1	1,639	2,116	3,115
Full-service restaurants	4	89,303	127,293	226,493
Limited-service restaurants	3	62,120	96,655	217,463
All other food and drinking places	2	53,782	71,952	111,658
Automotive repair and maintenance, except car washes	<1	45,492	53,633	81,617
Car washes	<1	21,184	32,203	51,128
Electronic and precision equipment repair and maintenance	<1	47,116	56,490	100,747
Commercial and industrial machinery and equipment repair and maintenance	<1	26,307	28,260	43,502
Personal and household goods repair and maintenance	<1	6,536	12,475	18,354
Personal care services	<1	18,592	17,052	22,903
Death care services	<1	4,551	3,410	4,832
Dry-cleaning and laundry services	<1	13,630	9,712	12,868
Other personal services	<1	13,020	15,647	23,400
Religious organizations	1	62,181	37,618	125,010
Grantmaking, giving, and social advocacy organizations	<1	12,718	44,323	72,728
Business and professional associations	<1	11,807	21,506	38,343
Labor and civic organizations	<1	6,973	21,432	38,825
Private households	<1	7,933	7,932	7,932
Postal service	<1	29,940	29,947	32,014
Federal electric utilities	<1	4,547	7,721	32,148
Other federal government enterprises	<1	2,248	-573	6,198
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	8,233	10,086	15,580
Local government passenger transit	<1	14,877	-8,715	11,612
Local government electric utilities	<1	5,620	15,442	30,445
Other local government enterprises	<1	53,947	118,808	213,899
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	12	1,414,718	2,456,216	5,619,156

Moon to Mars Campaign

Table 677: Detailed M2M Campaign Impacts by Types of Impact, Kentucky

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	26	1,724,435	2,660,803	5,423,747
Oilseed farming	<1	1,405	4,999	9,377
Grain farming	<1	1,171	1,127	6,263
Vegetable and melon farming	<1	75	126	248
Fruit farming	<1	24	41	64
Tree nut farming	<1	6	10	16
Greenhouse, nursery, and floriculture production	<1	126	172	320
Tobacco farming	<1	1,858	1,923	3,646
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	377	488	971
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	482	912	2,666
Dairy cattle and milk production	<1	79	137	675
Poultry and egg production	<1	172	324	2,677
Animal production, except cattle and poultry and eggs	<1	1,808	4,471	6,761
Forestry, forest products, and timber tract production	<1	29	31	38
Commercial logging	<1	464	452	589
Commercial fishing	<1	-1	26	43
Commercial hunting and trapping	<1	6	16	42
Support activities for agriculture and forestry	<1	1,762	1,457	1,842
Oil and gas extraction	<1	100	358	5,561

Appendix

Coal mining	<1	485	956	1,997
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	2	3	7
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	<1	<1	<1
Stone mining and quarrying	<1	225	578	1,252
Sand and gravel mining	<1	40	76	150
Other clay, ceramic, refractory minerals mining	<1	2	4	10
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	3	11
Metal mining services	<1	2	5	78
Other nonmetallic minerals services	<1	4	8	37
Electric power generation - Hydroelectric	<1	5	15	25
Electric power generation - Fossil fuel	<1	1,403	6,130	14,603
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	13	117	177
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	15	10	21
Electric power transmission and distribution	<1	3,561	15,097	35,240
Natural gas distribution	<1	926	3,106	6,514
Water, sewage and other systems	<1	153	358	646
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,961	7,754	17,810
Maintenance and repair construction of residential structures	<1	1,939	2,927	6,833
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	4	8
Dog and cat food manufacturing	<1	65	154	663
Other animal food manufacturing	<1	304	479	3,664
Flour milling	<1	24	39	361
Rice milling	<1	6	9	64
Malt manufacturing	0	0	0	0
Wet corn milling	<1	73	168	1,023
Soybean and other oilseed processing	<1	17	67	817
Fats and oils refining and blending	<1	20	35	367
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	86	117	395
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	12	15	104
Frozen fruits, juices and vegetables manufacturing	<1	18	29	120
Frozen specialties manufacturing	<1	376	471	1,950
Canned fruits and vegetables manufacturing	<1	148	247	958

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	3	5	19
Cheese manufacturing	<1	75	98	1,119
Dry, condensed, and evaporated dairy product manufacturing	<1	99	192	1,420
Fluid milk manufacturing	<1	169	238	1,711
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	2	11
Frozen cakes and other pastries manufacturing	<1	117	160	328
Poultry processing	<1	855	1,037	4,825
Animal, except poultry, slaughtering	<1	253	307	2,542
Meat processed from carcasses	<1	482	464	3,842
Rendering and meat byproduct processing	<1	40	37	233
Seafood product preparation and packaging	<1	2	2	15
Bread and bakery product, except frozen, manufacturing	<1	651	842	1,967
Cookie and cracker manufacturing	<1	597	806	2,644
Dry pasta, mixes, and dough manufacturing	<1	68	121	524
Tortilla manufacturing	<1	4	4	15
Roasted nuts and peanut butter manufacturing	<1	185	425	1,217
Other snack food manufacturing	<1	79	139	655
Coffee and tea manufacturing	<1	13	21	142
Flavoring syrup and concentrate manufacturing	<1	319	1,654	4,925
Mayonnaise, dressing, and sauce manufacturing	<1	22	35	183
Spice and extract manufacturing	<1	126	187	900
All other food manufacturing	<1	255	336	1,606
Bottled and canned soft drinks & water	<1	279	416	2,314
Manufactured ice	<1	27	10	70
Breweries	<1	66	148	535
Wineries	<1	47	75	411
Distilleries	<1	3,692	13,398	25,554
Tobacco product manufacturing	<1	378	9,585	16,024
Fiber, yarn, and thread mills	<1	3	5	17
Broadwoven fabric mills	<1	19	44	117
Narrow fabric mills and schiffli machine embroidery	<1	6	8	21

Appendix

Nonwoven fabric mills	<1	66	164	491
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	2
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	4	10	15
Curtain and linen mills	<1	42	63	167
Textile bag and canvas mills	<1	47	63	195
Rope, cordage, twine, tire cord and tire fabric mills	<1	3	6	15
Other textile product mills	<1	26	36	96
Hosiery and sock mills	<1	2	3	7
Other apparel knitting mills	<1	1	2	5
Cut and sew apparel contractors	<1	18	20	50
Mens and boys cut and sew apparel manufacturing	<1	61	62	162
Womens and girls cut and sew apparel manufacturing	<1	<1	1	7
Other cut and sew apparel manufacturing	<1	3	4	15
Apparel accessories and other apparel manufacturing	<1	1	2	6
Leather and hide tanning and finishing	<1	<1	<1	1
Footwear manufacturing	<1	<1	<1	2
Other leather and allied product manufacturing	<1	2	2	9
Sawmills	<1	352	409	1,987
Wood preservation	<1	41	61	338
Veneer and plywood manufacturing	<1	91	104	385
Engineered wood member and truss manufacturing	<1	48	54	190
Reconstituted wood product manufacturing	<1	39	53	179
Wood windows and door manufacturing	<1	91	103	355
Cut stock, resawing lumber, and planing	<1	133	159	547
Other millwork, including flooring	<1	206	243	829
Wood container and pallet manufacturing	<1	266	295	769
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	12	13	46
All other miscellaneous wood product manufacturing	<1	86	99	323
Pulp mills	<1	11	21	81

Appendix

Paper mills	<1	460	1,243	3,722
Paperboard mills	<1	27	84	278
Paperboard container manufacturing	<1	669	1,223	4,462
Paper bag and coated and treated paper manufacturing	<1	647	1,435	4,000
Stationery product manufacturing	<1	51	89	277
Sanitary paper product manufacturing	<1	236	927	2,427
All other converted paper product manufacturing	<1	126	214	564
Printing	<1	3,995	5,990	11,966
Support activities for printing	<1	136	187	258
Petroleum refineries	<1	581	5,335	19,950
Asphalt paving mixture and block manufacturing	<1	49	86	364
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	10	44	79
All other petroleum and coal products manufacturing	<1	87	425	926
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	38	57	258
Synthetic dye and pigment manufacturing	<1	32	45	174
Other basic inorganic chemical manufacturing	<1	91	145	622
Other basic organic chemical manufacturing	<1	272	401	3,576
Plastics material and resin manufacturing	<1	602	790	6,381
Synthetic rubber manufacturing	<1	108	132	616
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	15	25	119
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	4	6	25
Pesticide and other agricultural chemical manufacturing	<1	9	18	149
Medicinal and botanical manufacturing	<1	79	96	270
Pharmaceutical preparation manufacturing	<1	227	484	1,926
In-vitro diagnostic substance manufacturing	<1	31	36	128

Appendix

Biological product (except diagnostic) manufacturing	<1	5	7	17
Paint and coating manufacturing	<1	281	401	2,028
Adhesive manufacturing	<1	114	148	677
Soap and other detergent manufacturing	<1	154	324	1,564
Polish and other sanitation good manufacturing	<1	50	63	230
Surface active agent manufacturing	<1	36	81	381
Toilet preparation manufacturing	<1	93	183	626
Printing ink manufacturing	<1	98	103	378
Explosives manufacturing	<1	7	7	25
Custom compounding of purchased resins	<1	61	90	324
Photographic film and chemical manufacturing	<1	42	70	459
Other miscellaneous chemical product manufacturing	<1	107	142	701
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	487	805	2,805
Unlaminated plastics profile shape manufacturing	<1	86	190	511
Plastics pipe and pipe fitting manufacturing	<1	83	228	838
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	24	44	120
Polystyrene foam product manufacturing	<1	199	341	1,356
Urethane and other foam product (except polystyrene) manufacturing	<1	78	128	514
Plastics bottle manufacturing	<1	71	115	460
Other plastics product manufacturing	<1	1,137	1,677	4,986
Tire manufacturing	<1	26	41	208
Rubber and plastics hoses and belting manufacturing	<1	86	129	355
Other rubber product manufacturing	<1	391	555	2,033
Pottery, ceramics, and plumbing fixture manufacturing	<1	29	37	103
Brick, tile, and other structural clay product manufacturing	<1	220	327	776
Flat glass manufacturing	<1	104	178	339
Other pressed and blown glass and glassware manufacturing	<1	60	90	164
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	191	284	664
Cement manufacturing	<1	65	129	334
Ready-mix concrete manufacturing	<1	316	474	1,665
Concrete block and brick manufacturing	<1	249	379	981
Concrete pipe manufacturing	<1	5	7	19
Other concrete product manufacturing	<1	144	182	469
Lime manufacturing	<1	34	70	180
Gypsum product manufacturing	<1	41	86	230
Abrasive product manufacturing	<1	12	27	52
Cut stone and stone product manufacturing	<1	92	105	229
Ground or treated mineral and earth manufacturing	<1	46	100	240
Mineral wool manufacturing	<1	36	69	205
Miscellaneous nonmetallic mineral products manufacturing	<1	22	49	137
Iron and steel mills and ferroalloy manufacturing	<1	265	676	3,282
Iron, steel pipe and tube manufacturing from purchased steel	<1	48	113	441
Rolled steel shape manufacturing	<1	24	77	268
Steel wire drawing	<1	18	36	151
Alumina refining and primary aluminum production	<1	303	575	2,605
Secondary smelting and alloying of aluminum	<1	141	304	1,697
Aluminum sheet, plate, and foil manufacturing	<1	1,392	3,836	12,835
Other aluminum rolling, drawing and extruding	<1	81	141	532
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	470	938	4,719
Nonferrous metal, except copper and aluminum, shaping	<1	63	87	331
Secondary processing of other nonferrous metals	<1	13	31	151
Ferrous metal foundries	<1	20	40	92
Nonferrous metal foundries	<1	166	295	639
Custom roll forming	<1	87	147	675
Crown and closure manufacturing and metal stamping	<1	258	334	1,052
Iron and steel forging	<1	1,455	2,408	8,432

Appendix

Nonferrous forging	<1	532	777	2,799
Cutlery, utensil, pot, and pan manufacturing	<1	5	15	54
Handtool manufacturing	<1	23	38	87
Prefabricated metal buildings and components manufacturing	<1	24	33	124
Fabricated structural metal manufacturing	<1	112	166	571
Plate work manufacturing	<1	58	66	200
Metal window and door manufacturing	<1	22	31	92
Sheet metal work manufacturing	<1	825	1,102	2,825
Ornamental and architectural metal work manufacturing	<1	43	57	192
Power boiler and heat exchanger manufacturing	<1	10	14	35
Metal tank (heavy gauge) manufacturing	<1	32	40	114
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	23	30	116
Hardware manufacturing	<1	98	155	456
Spring and wire product manufacturing	<1	316	421	1,226
Machine shops	<1	268	334	727
Turned product and screw, nut, and bolt manufacturing	<1	180	267	754
Metal heat treating	<1	70	102	209
Metal coating and nonprecious engraving	<1	327	572	1,186
Electroplating, anodizing, and coloring metal	<1	95	110	289
Valve and fittings, other than plumbing, manufacturing	<1	7	11	33
Plumbing fixture fitting and trim manufacturing	<1	13	38	146
Ball and roller bearing manufacturing	<1	52	95	271
Small arms ammunition manufacturing	<1	20	44	96
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	204	385	701
Fabricated pipe and pipe fitting manufacturing	<1	3	4	20
Other fabricated metal manufacturing	<1	111	151	430
Farm machinery and equipment manufacturing	<1	35	53	270

Appendix

Lawn and garden equipment manufacturing	<1	3	4	27
Construction machinery manufacturing	<1	20	39	127
Mining machinery and equipment manufacturing	<1	4	6	18
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	6	7	28
Printing machinery and equipment manufacturing	<1	2	2	5
All other industrial machinery manufacturing	<1	12	14	40
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	2	2	6
Other commercial service industry machinery manufacturing	<1	14	20	77
Air purification and ventilation equipment manufacturing	<1	47	59	167
Heating equipment (except warm air furnaces) manufacturing	<1	8	11	37
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	68	102	312
Industrial mold manufacturing	<1	25	28	65
Special tool, die, jig, and fixture manufacturing	<1	38	45	93
Cutting tool and machine tool accessory manufacturing	<1	24	26	68
Machine tool manufacturing	<1	11	12	34
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	1
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4	5	15
Mechanical power transmission equipment manufacturing	<1	5	6	18
Other engine equipment manufacturing	<1	92	163	1,062

Appendix

Pump and pumping equipment manufacturing	<1	8	12	44
Air and gas compressor manufacturing	<1	<1	1	6
Elevator and moving stairway manufacturing	<1	6	7	26
Conveyor and conveying equipment manufacturing	<1	27	30	88
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	6
Industrial truck, trailer, and stacker manufacturing	<1	20	28	101
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	4	6	18
Packaging machinery manufacturing	<1	7	9	25
Industrial process furnace and oven manufacturing	<1	1	1	3
Fluid power cylinder and actuator manufacturing	<1	43	54	153
Fluid power pump and motor manufacturing	<1	42	57	257
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	13	15	38
Electronic computer manufacturing	<1	4	11	44
Computer storage device manufacturing	<1	35	114	269
Computer terminals and other computer peripheral equipment manufacturing	<1	48,375	98,756	153,097
Telephone apparatus manufacturing	<1	3	6	14
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	23	46	123
Audio and video equipment manufacturing	<1	8	16	54
Printed circuit assembly (electronic assembly) manufacturing	<1	2	5	16
Bare printed circuit board manufacturing	<1	14	21	52
Semiconductor and related device manufacturing	<1	21	44	131

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	21	34	78
Electronic connector manufacturing	<1	70	126	292
Other electronic component manufacturing	<1	93	143	421
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	2	3
Automatic environmental control manufacturing	<1	31	47	99
Industrial process variable instruments manufacturing	<1	2	4	9
Totalizing fluid meter and counting device manufacturing	<1	3	8	20
Electricity and signal testing instruments manufacturing	<1	5	9	32
Analytical laboratory instrument manufacturing	<1	1,839	3,927	9,418
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	6
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	5	8	12
Electric lamp bulb and part manufacturing	<1	229	321	780
Lighting fixture manufacturing	<1	22	25	85
Small electrical appliance manufacturing	<1	6	9	29
Household cooking appliance manufacturing	<1	287	416	1,357
Household refrigerator and home freezer manufacturing	<1	305	452	1,435
Household laundry equipment manufacturing	<1	723	937	3,554
Other major household appliance manufacturing	<1	118	181	546
Power, distribution, and specialty transformer manufacturing	<1	2	2	6
Motor and generator manufacturing	<1	43	54	246
Switchgear and switchboard apparatus manufacturing	<1	66	83	261

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Relay and industrial control manufacturing	<1	46	53	150
Storage battery manufacturing	<1	279	308	996
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	31	35	148
Other communication and energy wire manufacturing	<1	10	11	52
Wiring device manufacturing	<1	197	254	687
Carbon and graphite product manufacturing	<1	14	18	75
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	5
Automobile manufacturing	<1	477	1,238	4,978
Light truck and utility vehicle manufacturing	<1	240	378	4,283
Heavy duty truck manufacturing	<1	<1	<1	3
Motor vehicle body manufacturing	<1	13	16	58
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	36	38	136
Motor vehicle gasoline engine and engine parts manufacturing	<1	223	288	1,912
Motor vehicle electrical and electronic equipment manufacturing	<1	292	331	1,715
Motor vehicle transmission and power train parts manufacturing	<1	775	1,049	4,991
Motor vehicle seating and interior trim manufacturing	<1	146	162	953
Motor vehicle metal stamping	<1	700	799	3,268
Other motor vehicle parts manufacturing	<1	730	807	4,459
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	586	829	3,548
Aircraft manufacturing	<1	1	2	9
Aircraft engine and engine parts manufacturing	<1	116	194	655
Other aircraft parts and auxiliary equipment manufacturing	<1	19	24	67
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	18	22	53
Boat building	<1	14	19	96
Motorcycle, bicycle, and parts manufacturing	<1	8	23	96
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	13	60
Wood kitchen cabinet and countertop manufacturing	<1	129	149	381
Upholstered household furniture manufacturing	<1	<1	<1	3
Nonupholstered wood household furniture manufacturing	<1	11	13	42
Other household nonupholstered furniture manufacturing	<1	16	22	75
Institutional furniture manufacturing	<1	13,372	14,491	39,677
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	<1	<1	3
Office furniture, except wood, manufacturing	<1	3	4	15
Showcase, partition, shelving, and locker manufacturing	<1	43	52	176
Mattress manufacturing	<1	45	69	293
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	2	3	5
Surgical appliance and supplies manufacturing	<1	79	112	348
Dental equipment and supplies manufacturing	<1	6	7	19
Ophthalmic goods manufacturing	<1	14	20	52
Dental laboratories	<1	33	34	62
Jewelry and silverware manufacturing	<1	53	81	233
Sporting and athletic goods manufacturing	<1	41	48	172
Doll, toy, and game manufacturing	<1	4	5	23
Office supplies (except paper) manufacturing	<1	32	37	118
Sign manufacturing	<1	127	105	269
Gasket, packing, and sealing device manufacturing	<1	56	61	159

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Musical instrument manufacturing	<1	5	5	17
Fasteners, buttons, needles, and pins manufacturing	<1	54	63	163
Broom, brush, and mop manufacturing	<1	53	69	195
Burial casket manufacturing	<1	12	13	34
All other miscellaneous manufacturing	<1	111	134	464
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	613	1,494	3,265
Wholesale - Professional and commercial equipment and supplies	<1	6,459	10,748	18,051
Wholesale - Household appliances and electrical and electronic goods	<1	2,014	5,113	10,628
Wholesale - Machinery, equipment, and supplies	<1	2,293	4,624	7,911
Wholesale - Other durable goods merchant wholesalers	<1	3,938	7,183	13,544
Wholesale - Drugs and druggists' sundries	<1	3,319	10,514	18,535
Wholesale - Grocery and related product wholesalers	<1	3,850	5,452	10,633
Wholesale - Petroleum and petroleum products	<1	605	11,515	13,024
Wholesale - Other nondurable goods merchant wholesalers	<1	6,396	15,013	27,212
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,093	3,233	3,804
Retail - Motor vehicle and parts dealers	<1	4,726	7,110	10,904
Retail - Furniture and home furnishings stores	<1	2,282	2,841	4,931
Retail - Electronics and appliance stores	<1	2,339	2,154	3,851
Retail - Building material and garden equipment and supplies stores	<1	3,104	5,330	8,142
Retail - Food and beverage stores	<1	6,727	8,913	15,714
Retail - Health and personal care stores	<1	5,907	7,151	10,961
Retail - Gasoline stores	<1	2,359	3,864	8,011
Retail - Clothing and clothing accessories stores	<1	2,491	3,883	9,011
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,682	2,143	3,884
Retail - General merchandise stores	<1	8,023	11,123	19,131

Appendix

Retail - Miscellaneous store retailers	<1	3,487	4,053	7,583
Retail - Nonstore retailers	<1	3,430	12,013	26,285
Air transportation	<1	1,378	2,720	5,566
Rail transportation	<1	1,213	2,436	4,384
Water transportation	<1	1,299	1,522	5,549
Truck transportation	<1	9,740	11,379	22,629
Transit and ground passenger transportation	<1	1,805	2,233	3,481
Pipeline transportation	<1	680	1,278	1,644
Scenic and sightseeing transportation and support activities for transportation	<1	8,846	9,489	19,104
Couriers and messengers	<1	5,283	6,359	8,730
Warehousing and storage	<1	7,269	7,901	14,339
Newspaper publishers	<1	1,143	1,949	2,554
Periodical publishers	<1	622	989	1,530
Book publishers	<1	466	1,415	2,545
Directory, mailing list, and other publishers	<1	169	478	693
Greeting card publishing	0	0	0	0
Software publishers	<1	1,121	2,533	2,970
Motion picture and video industries	<1	809	1,296	4,508
Sound recording industries	<1	69	385	1,005
Radio and television broadcasting	<1	5,282	6,465	15,644
Cable and other subscription programming	<1	56	212	451
Wired telecommunications carriers	<1	4,488	10,315	18,924
Wireless telecommunications carriers (except satellite)	<1	1,093	7,675	19,987
Satellite, telecommunications resellers, and all other telecommunications	<1	438	702	1,697
Data processing, hosting, and related services	<1	3,912	6,392	18,037
News syndicates, libraries, archives and all other information services	<1	164	205	640
Internet publishing and broadcasting and web search portals	<1	1,623	2,821	12,675
Nondepository credit intermediation and related activities	<1	5,628	6,907	12,685
Securities and commodity contracts intermediation and brokerage	<1	12,680	11,795	19,891

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Monetary authorities and depository credit intermediation	<1	23,117	54,858	104,612
Other financial investment activities	<1	5,290	6,932	15,797
Direct life insurance carriers	<1	972	1,717	2,412
Insurance carriers, except direct life	<1	11,164	30,253	62,080
Insurance agencies, brokerages, and related activities	<1	9,322	13,525	33,540
Funds, trusts, and other financial vehicles	<1	1,824	2,777	13,096
Other real estate	1	28,021	90,857	229,016
Tenant-occupied housing	<1	1,974	25,407	29,246
Owner-occupied dwellings	0	0	101,953	129,425
Automotive equipment rental and leasing	<1	1,518	4,931	6,889
General and consumer goods rental except video tapes and discs	<1	1,484	1,975	3,622
Video tape and disc rental	<1	380	689	1,099
Commercial and industrial machinery and equipment rental and leasing	<1	1,436	4,158	5,817
Lessors of nonfinancial intangible assets	<1	4	1,729	2,539
Legal services	<1	28,208	48,343	70,917
Accounting, tax preparation, bookkeeping, and payroll services	<1	12,611	15,116	22,828
Architectural, engineering, and related services	<1	13,881	14,814	26,806
Specialized design services	<1	608	835	1,351
Custom computer programming services	<1	2,606	2,793	4,056
Computer systems design services	<1	4,474	4,105	5,534
Other computer related services, including facilities management	<1	2,068	2,840	5,850
Management consulting services	<1	29,704	30,582	52,803
Environmental and other technical consulting services	<1	4,695	4,878	7,857
Scientific research and development services	8	587,483	728,203	1,580,652
Advertising, public relations, and related services	<1	6,526	8,178	16,237
Photographic services	<1	237	464	1,082
Veterinary services	<1	1,538	1,773	2,797
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,959	9,026	18,763

Appendix

Management of companies and enterprises	<1	43,562	54,417	90,626
Office administrative services	<1	12,417	4,131	11,671
Facilities support services	<1	898	1,262	3,196
Employment services	1	42,368	59,901	91,215
Business support services	<1	6,524	5,294	9,819
Travel arrangement and reservation services	<1	860	1,075	2,732
Investigation and security services	<1	3,782	3,657	5,526
Services to buildings	<1	6,483	8,546	15,557
Landscape and horticultural services	<1	4,057	4,808	8,597
Other support services	<1	2,309	2,856	5,836
Waste management and remediation services	<1	3,046	4,980	9,498
Elementary and secondary schools	<1	1,744	1,404	1,706
Junior colleges, colleges, universities, and professional schools	<1	5,501	7,002	10,254
Other educational services	<1	1,989	2,190	4,478
Offices of physicians	<1	36,705	38,617	54,601
Offices of dentists	<1	5,863	7,436	10,709
Offices of other health practitioners	<1	5,792	8,522	11,250
Outpatient care centers	<1	8,294	7,597	12,954
Medical and diagnostic laboratories	<1	1,967	2,878	4,214
Home health care services	<1	5,948	5,693	7,028
Other ambulatory health care services	<1	1,868	2,099	3,379
Hospitals	<1	54,482	64,393	127,819
Nursing and community care facilities	<1	8,494	9,727	16,640
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,856	4,187	6,182
Individual and family services	<1	8,931	7,667	11,477
Child day care services	<1	2,579	3,749	5,265
Community food, housing, and other relief services, including rehabilitation services	<1	2,531	2,507	5,470
Performing arts companies	<1	492	632	1,208
Commercial Sports Except Racing	<1	1,326	388	1,493
Racing and Track Operation	<1	360	622	980
Independent artists, writers, and performers	<1	241	521	942

Appendix

Promoters of performing arts and sports and agents for public figures	<1	797	1,186	2,866
Museums, historical sites, zoos, and parks	<1	589	689	1,383
Amusement parks and arcades	<1	175	399	655
Gambling industries (except casino hotels)	<1	1,099	2,802	4,547
Other amusement and recreation industries	<1	971	1,131	2,524
Fitness and recreational sports centers	<1	795	1,094	2,484
Bowling centers	<1	106	162	328
Hotels and motels, including casino hotels	<1	1,210	2,011	3,388
Other accommodations	<1	347	445	647
Full-service restaurants	<1	14,418	20,775	36,283
Limited-service restaurants	<1	10,527	16,503	36,154
All other food and drinking places	<1	9,389	12,567	19,086
Automotive repair and maintenance, except car washes	<1	7,707	8,765	13,331
Car washes	<1	3,573	5,402	8,531
Electronic and precision equipment repair and maintenance	<1	2,256	2,724	4,751
Commercial and industrial machinery and equipment repair and maintenance	<1	3,851	4,068	6,183
Personal and household goods repair and maintenance	<1	1,088	2,021	2,966
Personal care services	<1	3,304	2,930	3,946
Death care services	<1	887	577	846
Dry-cleaning and laundry services	<1	2,404	1,486	2,039
Other personal services	<1	2,263	2,690	3,993
Religious organizations	<1	11,232	5,901	21,689
Grantmaking, giving, and social advocacy organizations	<1	2,055	6,742	11,072
Business and professional associations	<1	2,088	3,616	6,371
Labor and civic organizations	<1	1,344	3,888	7,166
Private households	<1	1,437	1,437	1,437
Postal service	<1	4,570	4,572	4,882
Federal electric utilities	<1	340	587	2,436
Other federal government enterprises	<1	213	-60	523
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	749	915	1,326
Local government passenger transit	<1	2,414	-1,471	1,496
Local government electric utilities	<1	831	2,162	4,223
Other local government enterprises	<1	8,034	16,799	30,160
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	262,684	468,361	1,071,482

Investments in Climate Change Research and Technology

Table 678: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Kentucky

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>28</i>	<i>1,496,973</i>	<i>2,235,655</i>	<i>4,678,195</i>
Oilseed farming	<1	1,077	2,252	3,541
Grain farming	<1	1,122	840	5,903
Vegetable and melon farming	<1	68	113	225
Fruit farming	<1	17	30	47
Tree nut farming	<1	3	5	8
Greenhouse, nursery, and floriculture production	<1	117	160	308
Tobacco farming	<1	673	691	1,200
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	468	585	1,212
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	480	1,131	3,551

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Dairy cattle and milk production	<1	68	132	701
Poultry and egg production	<1	237	394	3,931
Animal production, except cattle and poultry and eggs	<1	2,493	4,607	6,614
Forestry, forest products, and timber tract production	<1	22	24	31
Commercial logging	<1	301	289	408
Commercial fishing	<1	-1	32	52
Commercial hunting and trapping	<1	3	17	43
Support activities for agriculture and forestry	<1	1,473	1,233	1,552
Oil and gas extraction	<1	219	622	9,223
Coal mining	<1	1,042	2,801	5,673
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	1	3	5
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	<1	<1	<1
Stone mining and quarrying	<1	146	524	1,067
Sand and gravel mining	<1	27	60	120
Other clay, ceramic, refractory minerals mining	<1	2	5	11
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	<1	<1
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	4	5	18
Metal mining services	<1	4	10	127
Other nonmetallic minerals services	<1	5	9	38
Electric power generation - Hydroelectric	<1	5	14	24
Electric power generation - Fossil fuel	<1	921	4,397	11,756
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	19	171	279
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	8	6	14
Electric power transmission and distribution	<1	3,100	13,567	33,945
Natural gas distribution	<1	1,173	3,793	8,555
Water, sewage and other systems	<1	386	921	1,776
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,654	7,257	17,339
Maintenance and repair construction of residential structures	<1	1,666	2,501	6,066
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	3	7
Dog and cat food manufacturing	<1	65	146	670
Other animal food manufacturing	<1	268	395	3,278
Flour milling	<1	32	52	487
Rice milling	<1	5	7	48
Malt manufacturing	0	0	0	0
Wet corn milling	<1	67	144	914
Soybean and other oilseed processing	<1	13	51	645
Fats and oils refining and blending	<1	18	29	324
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	67	91	332
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	13	16	117
Frozen fruits, juices and vegetables manufacturing	<1	15	24	115
Frozen specialties manufacturing	<1	363	461	1,972
Canned fruits and vegetables manufacturing	<1	102	171	682
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	2	3	14
Cheese manufacturing	<1	59	78	879
Dry, condensed, and evaporated dairy product manufacturing	<1	103	197	1,670
Fluid milk manufacturing	<1	186	257	1,941
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2	3	15
Frozen cakes and other pastries manufacturing	<1	135	186	390
Poultry processing	<1	1,233	1,415	6,936
Animal, except poultry, slaughtering	<1	428	514	4,334
Meat processed from carcasses	<1	400	378	3,243
Rendering and meat byproduct processing	<1	35	31	208
Seafood product preparation and packaging	<1	4	4	32
Bread and bakery product, except frozen, manufacturing	<1	765	994	2,364
Cookie and cracker manufacturing	<1	478	607	2,301
Dry pasta, mixes, and dough manufacturing	<1	60	108	445
Tortilla manufacturing	<1	4	5	16
Roasted nuts and peanut butter manufacturing	<1	145	315	994
Other snack food manufacturing	<1	75	134	637
Coffee and tea manufacturing	<1	18	27	192
Flavoring syrup and concentrate manufacturing	<1	189	1,054	3,066
Mayonnaise, dressing, and sauce manufacturing	<1	23	39	210
Spice and extract manufacturing	<1	110	158	834
All other food manufacturing	<1	178	236	1,194

Appendix

Bottled and canned soft drinks & water	<1	269	392	2,274
Manufactured ice	<1	24	9	68
Breweries	<1	93	197	738
Wineries	<1	25	39	231
Distilleries	<1	4,024	13,297	27,353
Tobacco product manufacturing	<1	302	5,667	10,752
Fiber, yarn, and thread mills	<1	3	5	17
Broadwoven fabric mills	<1	14	26	81
Narrow fabric mills and schiffli machine embroidery	<1	4	5	14
Nonwoven fabric mills	<1	41	97	325
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	4	7	13
Curtain and linen mills	<1	34	50	146
Textile bag and canvas mills	<1	36	47	156
Rope, cordage, twine, tire cord and tire fabric mills	<1	5	8	22
Other textile product mills	<1	20	26	76
Hosiery and sock mills	<1	2	2	7
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	8	8	23
Mens and boys cut and sew apparel manufacturing	<1	34	35	103
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	4	5	19
Apparel accessories and other apparel manufacturing	<1	<1	1	4
Leather and hide tanning and finishing	<1	<1	<1	2
Footwear manufacturing	<1	<1	<1	2
Other leather and allied product manufacturing	<1	1	1	6
Sawmills	<1	239	277	1,336
Wood preservation	<1	29	43	221
Veneer and plywood manufacturing	<1	73	86	305
Engineered wood member and truss manufacturing	<1	21	24	83
Reconstituted wood product manufacturing	<1	27	38	123
Wood windows and door manufacturing	<1	99	111	391

Appendix

Cut stock, resawing lumber, and planing	<1	101	122	423
Other millwork, including flooring	<1	183	214	776
Wood container and pallet manufacturing	<1	271	297	802
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	14	15	52
All other miscellaneous wood product manufacturing	<1	70	79	288
Pulp mills	<1	32	63	230
Paper mills	<1	623	2,024	5,291
Paperboard mills	<1	51	168	514
Paperboard container manufacturing	<1	495	919	3,410
Paper bag and coated and treated paper manufacturing	<1	575	1,375	3,909
Stationery product manufacturing	<1	56	101	331
Sanitary paper product manufacturing	<1	274	1,163	2,805
All other converted paper product manufacturing	<1	135	236	582
Printing	<1	2,605	3,699	8,276
Support activities for printing	<1	67	91	131
Petroleum refineries	<1	852	7,481	28,230
Asphalt paving mixture and block manufacturing	<1	51	89	398
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	8	36	68
All other petroleum and coal products manufacturing	<1	129	722	1,591
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	49	72	327
Synthetic dye and pigment manufacturing	<1	27	37	128
Other basic inorganic chemical manufacturing	<1	94	131	586
Other basic organic chemical manufacturing	<1	417	602	4,763
Plastics material and resin manufacturing	<1	793	992	7,233
Synthetic rubber manufacturing	<1	133	158	681
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	10	16	82
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	5	21
Pesticide and other agricultural chemical manufacturing	<1	16	31	250
Medicinal and botanical manufacturing	<1	40	46	144
Pharmaceutical preparation manufacturing	<1	125	248	1,079
In-vitro diagnostic substance manufacturing	<1	10	12	43
Biological product (except diagnostic) manufacturing	<1	2	2	6
Paint and coating manufacturing	<1	272	363	1,870
Adhesive manufacturing	<1	62	74	380
Soap and other detergent manufacturing	<1	103	193	1,216
Polish and other sanitation good manufacturing	<1	30	36	147
Surface active agent manufacturing	<1	31	60	320
Toilet preparation manufacturing	<1	58	104	380
Printing ink manufacturing	<1	51	53	195
Explosives manufacturing	<1	11	11	37
Custom compounding of purchased resins	<1	39	48	201
Photographic film and chemical manufacturing	<1	28	44	306
Other miscellaneous chemical product manufacturing	<1	101	126	603
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	307	518	1,842
Unlaminated plastics profile shape manufacturing	<1	48	107	301
Plastics pipe and pipe fitting manufacturing	<1	45	126	451
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6	11	29
Polystyrene foam product manufacturing	<1	204	356	1,410
Urethane and other foam product (except polystyrene) manufacturing	<1	57	94	387
Plastics bottle manufacturing	<1	48	78	333
Other plastics product manufacturing	<1	1,161	1,708	5,397

Appendix

Tire manufacturing	<1	79	126	601
Rubber and plastics hoses and belting manufacturing	<1	490	743	2,048
Other rubber product manufacturing	<1	493	709	2,476
Pottery, ceramics, and plumbing fixture manufacturing	<1	16	22	57
Brick, tile, and other structural clay product manufacturing	<1	163	256	569
Flat glass manufacturing	<1	67	125	230
Other pressed and blown glass and glassware manufacturing	<1	36	57	102
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	141	219	496
Cement manufacturing	<1	59	126	314
Ready-mix concrete manufacturing	<1	273	425	1,470
Concrete block and brick manufacturing	<1	152	252	614
Concrete pipe manufacturing	<1	5	7	18
Other concrete product manufacturing	<1	128	170	420
Lime manufacturing	<1	84	168	430
Gypsum product manufacturing	<1	27	63	157
Abrasive product manufacturing	<1	10	26	48
Cut stone and stone product manufacturing	<1	84	97	211
Ground or treated mineral and earth manufacturing	<1	44	102	235
Mineral wool manufacturing	<1	23	46	137
Miscellaneous nonmetallic mineral products manufacturing	<1	166	423	1,185
Iron and steel mills and ferroalloy manufacturing	<1	482	1,465	5,925
Iron, steel pipe and tube manufacturing from purchased steel	<1	113	305	1,128
Rolled steel shape manufacturing	<1	94	333	953
Steel wire drawing	<1	9	21	78
Alumina refining and primary aluminum production	<1	87	189	885
Secondary smelting and alloying of aluminum	<1	52	127	690
Aluminum sheet, plate, and foil manufacturing	<1	284	909	2,515
Other aluminum rolling, drawing and extruding	<1	20	40	141

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	520	1,098	5,868
Nonferrous metal, except copper and aluminum, shaping	<1	41	61	214
Secondary processing of other nonferrous metals	<1	8	27	103
Ferrous metal foundries	<1	120	271	568
Nonferrous metal foundries	<1	235	448	953
Custom roll forming	<1	60	106	476
Crown and closure manufacturing and metal stamping	<1	675	883	2,901
Iron and steel forging	<1	547	922	3,260
Nonferrous forging	<1	178	269	1,006
Cutlery, utensil, pot, and pan manufacturing	<1	4	11	40
Handtool manufacturing	<1	12	20	49
Prefabricated metal buildings and components manufacturing	<1	15	23	79
Fabricated structural metal manufacturing	<1	90	139	480
Plate work manufacturing	<1	97	108	335
Metal window and door manufacturing	<1	15	22	66
Sheet metal work manufacturing	<1	491	668	1,770
Ornamental and architectural metal work manufacturing	<1	34	46	160
Power boiler and heat exchanger manufacturing	<1	6	9	22
Metal tank (heavy gauge) manufacturing	<1	17	22	63
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	20	26	107
Hardware manufacturing	<1	63	103	310
Spring and wire product manufacturing	<1	111	157	450
Machine shops	<1	1,426	1,797	4,087
Turned product and screw, nut, and bolt manufacturing	<1	174	264	768
Metal heat treating	<1	47	69	141
Metal coating and nonprecious engraving	<1	238	428	875
Electroplating, anodizing, and coloring metal	<1	58	68	180
Valve and fittings, other than plumbing, manufacturing	<1	14	23	68

Appendix

Plumbing fixture fitting and trim manufacturing	<1	6	19	74
Ball and roller bearing manufacturing	<1	110	209	619
Small arms ammunition manufacturing	<1	18	38	89
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	147	279	559
Fabricated pipe and pipe fitting manufacturing	<1	4	5	23
Other fabricated metal manufacturing	<1	88	120	353
Farm machinery and equipment manufacturing	<1	29,585	47,017	213,030
Lawn and garden equipment manufacturing	<1	1	2	13
Construction machinery manufacturing	<1	32	55	202
Mining machinery and equipment manufacturing	<1	17	23	69
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	2	3	11
Printing machinery and equipment manufacturing	<1	1	1	3
All other industrial machinery manufacturing	<1	10	11	33
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	10	14	55
Air purification and ventilation equipment manufacturing	<1	29	34	100
Heating equipment (except warm air furnaces) manufacturing	<1	16	20	78
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	84	119	398
Industrial mold manufacturing	<1	15	16	39
Special tool, die, jig, and fixture manufacturing	<1	27	31	68

Appendix

Cutting tool and machine tool accessory manufacturing	<1	37	39	104
Machine tool manufacturing	<1	24	27	76
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	1
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	27	33	120
Mechanical power transmission equipment manufacturing	<1	6	7	21
Other engine equipment manufacturing	<1	273	416	3,692
Pump and pumping equipment manufacturing	<1	6	8	33
Air and gas compressor manufacturing	<1	1	2	10
Elevator and moving stairway manufacturing	<1	15	17	65
Conveyor and conveying equipment manufacturing	<1	37	40	123
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	2	10
Industrial truck, trailer, and stacker manufacturing	<1	27	36	139
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	3	4	14
Packaging machinery manufacturing	<1	4	5	15
Industrial process furnace and oven manufacturing	<1	<1	<1	2
Fluid power cylinder and actuator manufacturing	<1	251	305	851
Fluid power pump and motor manufacturing	<1	296	390	1,832
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	21	23	65
Electronic computer manufacturing	<1	2	5	22
Computer storage device manufacturing	<1	13	41	97
Computer terminals and other computer peripheral equipment manufacturing	<1	26,600	51,133	88,578
Telephone apparatus manufacturing	<1	6	12	24

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	15	32	76
Audio and video equipment manufacturing	<1	4	7	26
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	2	6
Bare printed circuit board manufacturing	<1	8	12	27
Semiconductor and related device manufacturing	<1	10	22	74
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	7	12	30
Electronic connector manufacturing	<1	41	75	175
Other electronic component manufacturing	<1	36	57	167
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	13	20	42
Industrial process variable instruments manufacturing	<1	2	4	8
Totalizing fluid meter and counting device manufacturing	<1	3	10	26
Electricity and signal testing instruments manufacturing	<1	<1	<1	3
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	3	5	8
Electric lamp bulb and part manufacturing	<1	182	228	623
Lighting fixture manufacturing	<1	8	9	31
Small electrical appliance manufacturing	<1	4	5	19

Appendix

Household cooking appliance manufacturing	<1	237	298	1,043
Household refrigerator and home freezer manufacturing	<1	254	324	1,106
Household laundry equipment manufacturing	<1	603	701	2,800
Other major household appliance manufacturing	<1	105	137	447
Power, distribution, and specialty transformer manufacturing	<1	1	2	4
Motor and generator manufacturing	<1	91	110	511
Switchgear and switchboard apparatus manufacturing	<1	40	47	161
Relay and industrial control manufacturing	<1	28	32	93
Storage battery manufacturing	<1	318	361	1,222
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	14	16	77
Other communication and energy wire manufacturing	<1	5	5	26
Wiring device manufacturing	<1	84	104	314
Carbon and graphite product manufacturing	<1	8	10	42
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	3
Automobile manufacturing	<1	506	1,412	5,662
Light truck and utility vehicle manufacturing	<1	761	1,726	13,246
Heavy duty truck manufacturing	<1	<1	<1	5
Motor vehicle body manufacturing	<1	21	27	95
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	46	51	177
Motor vehicle gasoline engine and engine parts manufacturing	<1	368	526	3,215
Motor vehicle electrical and electronic equipment manufacturing	<1	883	1,124	6,451
Motor vehicle transmission and power train parts manufacturing	<1	1,493	2,116	11,933
Motor vehicle seating and interior trim manufacturing	<1	332	395	2,221
Motor vehicle metal stamping	<1	1,241	1,483	6,319
Other motor vehicle parts manufacturing	<1	2,108	2,843	13,199

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,370	2,061	9,014
Aircraft manufacturing	<1	1	3	12
Aircraft engine and engine parts manufacturing	<1	3	6	20
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	8
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	<1	13	16	38
Boat building	<1	18	24	129
Motorcycle, bicycle, and parts manufacturing	<1	4	13	54
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	6	10	47
Wood kitchen cabinet and countertop manufacturing	<1	113	149	370
Upholstered household furniture manufacturing	<1	<1	<1	2
Nonupholstered wood household furniture manufacturing	<1	9	11	35
Other household nonupholstered furniture manufacturing	<1	11	16	56
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	<1	2	3	8
Showcase, partition, shelving, and locker manufacturing	<1	24	33	108
Mattress manufacturing	<1	39	62	268
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	1	2	4
Surgical appliance and supplies manufacturing	<1	47	64	216
Dental equipment and supplies manufacturing	<1	4	4	13

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Ophthalmic goods manufacturing	<1	11	14	39
Dental laboratories	<1	22	22	41
Jewelry and silverware manufacturing	<1	50	75	219
Sporting and athletic goods manufacturing	<1	34	39	157
Doll, toy, and game manufacturing	<1	3	3	15
Office supplies (except paper) manufacturing	<1	37	42	152
Sign manufacturing	<1	138	109	288
Gasket, packing, and sealing device manufacturing	<1	56	59	161
Musical instrument manufacturing	<1	2	2	7
Fasteners, buttons, needles, and pins manufacturing	<1	36	40	105
Broom, brush, and mop manufacturing	<1	32	31	118
Burial casket manufacturing	<1	21	23	65
All other miscellaneous manufacturing	<1	87	102	381
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,009	2,488	5,404
Wholesale - Professional and commercial equipment and supplies	<1	4,470	7,475	12,764
Wholesale - Household appliances and electrical and electronic goods	<1	1,687	4,441	9,317
Wholesale - Machinery, equipment, and supplies	<1	4,725	9,743	16,602
Wholesale - Other durable goods merchant wholesalers	<1	3,822	7,030	13,326
Wholesale - Drugs and druggists' sundries	<1	2,703	8,833	15,867
Wholesale - Grocery and related product wholesalers	<1	4,235	6,065	11,939
Wholesale - Petroleum and petroleum products	<1	980	13,000	15,165
Wholesale - Other nondurable goods merchant wholesalers	<1	5,595	12,511	23,507
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,106	3,246	3,839
Retail - Motor vehicle and parts dealers	<1	5,792	8,707	13,482
Retail - Furniture and home furnishings stores	<1	2,024	2,520	4,467
Retail - Electronics and appliance stores	<1	2,132	1,919	3,535

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Retail - Building material and garden equipment and supplies stores	<1	2,743	4,722	7,282
Retail - Food and beverage stores	<1	5,530	7,423	13,428
Retail - Health and personal care stores	<1	5,453	6,571	10,136
Retail - Gasoline stores	<1	2,629	4,580	10,067
Retail - Clothing and clothing accessories stores	<1	2,139	3,399	8,233
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,503	1,918	3,579
Retail - General merchandise stores	<1	8,039	11,050	19,107
Retail - Miscellaneous store retailers	<1	2,950	3,467	6,797
Retail - Nonstore retailers	<1	3,087	10,190	23,095
Air transportation	<1	1,292	2,388	5,072
Rail transportation	<1	1,429	3,437	5,709
Water transportation	<1	712	822	3,197
Truck transportation	<1	38,099	45,576	92,675
Transit and ground passenger transportation	<1	1,008	1,220	2,080
Pipeline transportation	<1	1,684	2,363	3,030
Scenic and sightseeing transportation and support activities for transportation	<1	7,485	7,995	15,903
Couriers and messengers	<1	5,414	6,471	9,026
Warehousing and storage	<1	7,061	7,667	14,200
Newspaper publishers	<1	968	1,625	2,178
Periodical publishers	<1	358	560	936
Book publishers	<1	394	1,188	2,194
Directory, mailing list, and other publishers	<1	176	469	687
Greeting card publishing	0	0	0	0
Software publishers	<1	2,536	5,538	6,517
Motion picture and video industries	<1	536	839	3,603
Sound recording industries	<1	68	346	1,007
Radio and television broadcasting	<1	2,585	3,447	12,065
Cable and other subscription programming	<1	17	98	267
Wired telecommunications carriers	<1	4,014	9,577	18,077
Wireless telecommunications carriers (except satellite)	<1	958	6,405	17,517

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Satellite, telecommunications resellers, and all other telecommunications	<1	332	562	1,482
Data processing, hosting, and related services	<1	2,500	4,123	13,747
News syndicates, libraries, archives and all other information services	<1	93	112	387
Internet publishing and broadcasting and web search portals	<1	913	1,607	10,779
Nondepository credit intermediation and related activities	<1	4,337	5,209	10,257
Securities and commodity contracts intermediation and brokerage	<1	9,394	9,086	18,339
Monetary authorities and depository credit intermediation	<1	20,575	45,173	91,212
Other financial investment activities	<1	3,072	4,190	11,694
Direct life insurance carriers	<1	995	1,661	2,486
Insurance carriers, except direct life	<1	10,169	25,314	56,836
Insurance agencies, brokerages, and related activities	<1	8,387	11,880	30,806
Funds, trusts, and other financial vehicles	<1	1,403	2,059	11,633
Other real estate	1	20,439	68,785	193,894
Tenant-occupied housing	<1	1,604	18,920	22,574
Owner-occupied dwellings	0	0	79,067	100,372
Automotive equipment rental and leasing	<1	872	3,794	5,662
General and consumer goods rental except video tapes and discs	<1	1,698	2,485	4,859
Video tape and disc rental	<1	336	624	1,001
Commercial and industrial machinery and equipment rental and leasing	<1	1,030	3,684	5,340
Lessors of nonfinancial intangible assets	<1	3	1,163	1,716
Legal services	<1	18,010	30,065	45,222
Accounting, tax preparation, bookkeeping, and payroll services	<1	9,250	10,513	16,644
Architectural, engineering, and related services	<1	8,855	9,153	17,050
Specialized design services	<1	468	591	1,033
Custom computer programming services	<1	1,913	2,080	3,147

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Computer systems design services	<1	3,263	2,970	4,104
Other computer related services, including facilities management	<1	1,238	1,709	3,680
Management consulting services	<1	15,102	15,439	27,883
Environmental and other technical consulting services	<1	2,722	2,795	4,612
Scientific research and development services	4	273,715	351,586	787,225
Advertising, public relations, and related services	<1	4,569	5,502	11,825
Photographic services	<1	196	335	867
Veterinary services	<1	1,294	1,425	2,340
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,535	5,003	11,417
Management of companies and enterprises	<1	27,197	33,784	58,595
Office administrative services	<1	6,223	1,938	6,141
Facilities support services	<1	658	930	2,614
Employment services	<1	28,098	38,804	63,522
Business support services	<1	5,739	4,550	9,115
Travel arrangement and reservation services	<1	639	797	2,083
Investigation and security services	<1	2,929	2,809	4,492
Services to buildings	<1	5,525	7,155	13,980
Landscape and horticultural services	<1	3,383	3,976	7,428
Other support services	<1	2,154	2,649	5,721
Waste management and remediation services	<1	2,626	4,294	8,371
Elementary and secondary schools	<1	1,135	922	1,142
Junior colleges, colleges, universities, and professional schools	7	214,233	273,744	415,545
Other educational services	<1	1,939	2,113	4,514
Offices of physicians	<1	32,832	34,264	48,684
Offices of dentists	<1	5,049	6,235	9,129
Offices of other health practitioners	<1	5,254	7,425	9,923
Outpatient care centers	<1	6,690	6,060	10,290
Medical and diagnostic laboratories	<1	1,667	2,347	3,548
Home health care services	<1	5,370	5,099	6,318
Other ambulatory health care services	<1	1,601	1,772	2,895

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Hospitals	<1	39,263	46,844	94,486
Nursing and community care facilities	<1	6,816	7,792	13,864
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,637	2,855	4,339
Individual and family services	<1	6,476	5,425	8,326
Child day care services	<1	2,037	2,830	4,144
Community food, housing, and other relief services, including rehabilitation services	<1	1,694	1,666	3,791
Performing arts companies	<1	316	421	902
Commercial Sports Except Racing	<1	1,009	317	1,250
Racing and Track Operation	<1	266	477	877
Independent artists, writers, and performers	<1	142	361	675
Promoters of performing arts and sports and agents for public figures	<1	529	839	2,221
Museums, historical sites, zoos, and parks	<1	459	541	1,126
Amusement parks and arcades	<1	125	339	566
Gambling industries (except casino hotels)	<1	825	2,111	3,569
Other amusement and recreation industries	<1	801	976	2,281
Fitness and recreational sports centers	<1	581	849	2,011
Bowling centers	<1	88	141	296
Hotels and motels, including casino hotels	<1	823	1,416	2,444
Other accommodations	<1	195	253	377
Full-service restaurants	<1	12,422	17,492	31,858
Limited-service restaurants	<1	8,878	13,655	31,721
All other food and drinking places	<1	6,943	9,284	14,642
Automotive repair and maintenance, except car washes	<1	7,072	8,636	13,163
Car washes	<1	2,913	4,452	7,116
Electronic and precision equipment repair and maintenance	<1	21,928	25,951	47,567
Commercial and industrial machinery and equipment repair and maintenance	<1	3,729	4,021	6,327
Personal and household goods repair and maintenance	<1	898	1,774	2,634
Personal care services	<1	2,541	2,396	3,226
Death care services	<1	617	520	720

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Dry-cleaning and laundry services	<1	1,996	1,608	2,079
Other personal services	<1	1,698	2,061	3,116
Religious organizations	<1	8,237	5,680	17,445
Grantmaking, giving, and social advocacy organizations	<1	1,264	4,650	7,579
Business and professional associations	<1	1,495	2,809	5,038
Labor and civic organizations	<1	893	2,871	5,138
Private households	<1	1,107	1,107	1,107
Postal service	<1	4,482	4,484	4,797
Federal electric utilities	<1	1,395	2,255	9,626
Other federal government enterprises	<1	182	-39	398
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,181	2,837	4,527
Local government passenger transit	<1	2,042	-938	2,178
Local government electric utilities	<1	761	2,316	4,604
Other local government enterprises	<1	9,153	21,543	38,699
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	257,680	361,112	826,127

Louisiana

NASA

Table 679: Detailed NASA Impacts by Types of Impact, Louisiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,601</i>	<i>150,071,494</i>	<i>233,338,880</i>	<i>493,601,827</i>
Oilseed farming	<1	46,762	134,078	240,101
Grain farming	1	62,485	6,638	450,281
Vegetable and melon farming	<1	7,619	15,300	41,123
Fruit farming	<1	1,297	2,882	5,822
Tree nut farming	<1	3,144	7,544	15,520
Greenhouse, nursery, and floriculture production	<1	11,897	18,792	55,243
Tobacco farming	0	0	0	0
Cotton farming	<1	4,649	7,007	20,687
Sugarcane and sugar beet farming	<1	22,657	32,143	99,973
All other crop farming	4	26,856	37,569	120,575
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	14,632	29,575	106,538
Dairy cattle and milk production	<1	1,776	3,496	24,432
Poultry and egg production	<1	4,413	7,299	135,952
Animal production, except cattle and poultry and eggs	2	63,426	155,607	267,602
Forestry, forest products, and timber tract production	<1	5,190	4,142	5,759
Commercial logging	2	102,043	74,261	146,485
Commercial fishing	1	70,797	66,730	71,715
Commercial hunting and trapping	<1	6,458	7,936	10,092
Support activities for agriculture and forestry	2	61,763	52,699	68,891
Oil and gas extraction	2	417,285	798,326	1,608,266
Coal mining	<1	22,530	81,519	152,160
Copper, nickel, lead, and zinc mining	<1	34,844	181,918	358,669
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	346	2,705	4,962
Sand and gravel mining	<1	14,809	57,409	126,333

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Other clay, ceramic, refractory minerals mining	<1	126	511	1,470
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	2,674	10,363	20,489
Other nonmetallic minerals	<1	1,053	3,980	9,050
Drilling oil and gas wells	<1	135	263	565
Support activities for oil and gas operations	<1	3,827	5,491	10,922
Metal mining services	<1	13,456	28,397	69,291
Other nonmetallic minerals services	<1	2,960	6,189	13,773
Electric power generation - Hydroelectric	<1	9,768	40,223	74,407
Electric power generation - Fossil fuel	2	312,511	1,633,699	3,610,274
Electric power generation - Nuclear	4	655,583	1,811,379	3,587,677
Electric power generation - Solar	<1	4,588	22,904	43,214
Electric power generation - Wind	<1	6,149	78,473	129,873
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,976	25,754	61,474
Electric power generation - All other	<1	9,415	8,847	21,487
Electric power transmission and distribution	8	929,466	4,703,127	10,436,740
Natural gas distribution	<1	45,712	177,349	348,257
Water, sewage and other systems	6	391,207	1,040,701	1,987,981
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	98	6,510,614	6,961,124	15,176,564
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	11	649,183	806,141	2,059,930
Maintenance and repair construction of residential structures	4	206,674	261,718	648,977
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	528	663	1,685
Dog and cat food manufacturing	<1	115	378	1,262
Other animal food manufacturing	<1	9,729	17,554	132,855
Flour milling	<1	4,385	9,049	63,574
Rice milling	<1	2,964	5,201	37,403
Malt manufacturing	0	0	0	0
Wet corn milling	<1	38,595	113,716	679,747
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	243	535	6,119
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	8,689	25,467	117,279
Nonchocolate confectionery manufacturing	<1	702	1,165	6,601
Chocolate and confectionery manufacturing from cacao beans	<1	777	1,264	5,697
Confectionery manufacturing from purchased chocolate	<1	3,595	5,305	30,046
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	7,572	11,148	43,607
Canned fruits and vegetables manufacturing	<1	8,491	18,796	68,612
Canned specialties	<1	1,208	3,297	12,833
Dehydrated food products manufacturing	<1	2,512	4,942	18,086
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	15,425	26,609	171,192
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	41	62	437
Frozen cakes and other pastries manufacturing	<1	16,320	25,403	46,245

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Poultry processing	1	43,405	56,782	312,440
Animal, except poultry, slaughtering	<1	6,684	8,840	83,791
Meat processed from carcasses	<1	22,713	22,973	202,952
Rendering and meat byproduct processing	<1	1,068	1,208	7,159
Seafood product preparation and packaging	<1	24,075	32,506	200,097
Bread and bakery product, except frozen, manufacturing	1	54,168	82,876	201,786
Cookie and cracker manufacturing	<1	4,592	7,143	29,320
Dry pasta, mixes, and dough manufacturing	<1	4,626	11,321	40,504
Tortilla manufacturing	<1	2,628	3,417	14,496
Roasted nuts and peanut butter manufacturing	<1	6,064	10,293	41,913
Other snack food manufacturing	<1	6,203	8,928	43,533
Coffee and tea manufacturing	<1	16,076	32,324	126,756
Flavoring syrup and concentrate manufacturing	<1	1,990	17,474	46,380
Mayonnaise, dressing, and sauce manufacturing	<1	4,157	8,727	34,183
Spice and extract manufacturing	<1	5,243	9,371	42,714
All other food manufacturing	<1	2,881	4,548	24,609
Bottled and canned soft drinks & water	<1	53,619	95,030	400,736
Manufactured ice	<1	3,536	2,389	10,568
Breweries	<1	10,927	27,824	81,172
Wineries	<1	567	1,020	4,310
Distilleries	<1	1,758	11,264	25,184
Tobacco product manufacturing	<1	1,492	50,533	85,502
Fiber, yarn, and thread mills	<1	1,571	2,784	17,564
Broadwoven fabric mills	<1	3,032	5,821	17,362
Narrow fabric mills and schiffli machine embroidery	<1	120	136	477
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	136	188	622
Textile and fabric finishing mills	<1	41	58	277
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	285	399	1,770
Textile bag and canvas mills	<1	2,195	2,777	8,687
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,889	3,194	8,840
Other textile product mills	<1	4,504	5,750	17,628
Hosiery and sock mills	<1	114	268	611

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Other apparel knitting mills	<1	123	276	640
Cut and sew apparel contractors	<1	180	263	752
Mens and boys cut and sew apparel manufacturing	<1	526	924	3,070
Womens and girls cut and sew apparel manufacturing	<1	418	1,024	4,599
Other cut and sew apparel manufacturing	<1	303	658	2,496
Apparel accessories and other apparel manufacturing	<1	350	749	2,339
Leather and hide tanning and finishing	<1	251	733	3,180
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	90	104	356
Sawmills	1	66,825	116,110	364,425
Wood preservation	<1	5,569	18,089	59,650
Veneer and plywood manufacturing	2	108,441	186,716	542,535
Engineered wood member and truss manufacturing	<1	43,963	73,198	184,089
Reconstituted wood product manufacturing	<1	32,928	91,106	281,014
Wood windows and door manufacturing	<1	19,490	29,333	84,746
Cut stock, resawing lumber, and planing	<1	2,501	5,026	14,169
Other millwork, including flooring	<1	5,417	9,681	29,305
Wood container and pallet manufacturing	<1	15,877	23,322	68,876
Manufactured home (mobile home) manufacturing	<1	33	44	121
Prefabricated wood building manufacturing	<1	10,974	16,262	46,252
All other miscellaneous wood product manufacturing	1	91,423	143,558	353,060
Pulp mills	0	0	0	0
Paper mills	<1	60,849	183,339	470,639
Paperboard mills	<1	80,672	260,199	731,135
Paperboard container manufacturing	<1	71,914	133,941	438,455
Paper bag and coated and treated paper manufacturing	<1	16,962	40,831	137,013
Stationery product manufacturing	<1	8,859	15,950	41,542
Sanitary paper product manufacturing	<1	12,327	53,809	103,690
All other converted paper product manufacturing	<1	3,110	5,553	21,594

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Printing	3	133,685	190,332	487,487
Support activities for printing	<1	1,458	1,966	3,760
Petroleum refineries	<1	226,252	1,840,151	6,963,020
Asphalt paving mixture and block manufacturing	<1	16,125	27,004	140,745
Asphalt shingle and coating materials manufacturing	<1	10,111	42,562	84,479
Petroleum lubricating oil and grease manufacturing	<1	17,382	70,629	130,850
All other petroleum and coal products manufacturing	<1	12,785	58,752	134,783
Petrochemical manufacturing	<1	70,836	598,674	2,272,056
Industrial gas manufacturing	<1	126,121	268,045	684,879
Synthetic dye and pigment manufacturing	<1	1,831	3,817	11,449
Other basic inorganic chemical manufacturing	<1	131,065	302,905	846,950
Other basic organic chemical manufacturing	<1	137,176	282,212	1,484,535
Plastics material and resin manufacturing	<1	69,642	117,696	623,871
Synthetic rubber manufacturing	<1	29,230	45,101	160,035
Artificial and synthetic fibers and filaments manufacturing	<1	99	149	594
Nitrogenous fertilizer manufacturing	<1	34,735	88,449	222,288
Phosphatic fertilizer manufacturing	<1	13,856	30,903	85,776
Fertilizer mixing	<1	725	1,507	4,573
Pesticide and other agricultural chemical manufacturing	<1	20,355	62,237	199,325
Medicinal and botanical manufacturing	<1	11	19	66
Pharmaceutical preparation manufacturing	<1	3,797	13,802	48,209
In-vitro diagnostic substance manufacturing	<1	21	32	101
Biological product (except diagnostic) manufacturing	<1	9	20	55
Paint and coating manufacturing	<1	7,719	15,708	65,301
Adhesive manufacturing	<1	6,664	11,157	39,523
Soap and other detergent manufacturing	<1	34,632	114,374	371,467
Polish and other sanitation good manufacturing	<1	250	396	1,341
Surface active agent manufacturing	<1	4,180	14,611	45,733
Toilet preparation manufacturing	<1	1,372	4,698	13,725
Printing ink manufacturing	<1	114	126	673

Appendix

Explosives manufacturing	<1	198	230	912
Custom compounding of purchased resins	<1	2,142	4,148	18,275
Photographic film and chemical manufacturing	<1	553	1,331	6,324
Other miscellaneous chemical product manufacturing	<1	25,363	43,575	148,671
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7,805	14,769	55,263
Unlaminated plastics profile shape manufacturing	<1	643	1,701	4,818
Plastics pipe and pipe fitting manufacturing	<1	4,937	16,584	50,564
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	939	2,054	5,588
Polystyrene foam product manufacturing	<1	498	968	3,268
Urethane and other foam product (except polystyrene) manufacturing	<1	200	370	1,362
Plastics bottle manufacturing	<1	6,266	11,394	46,368
Other plastics product manufacturing	<1	14,780	24,066	74,188
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	14,212	23,620	53,568
Other rubber product manufacturing	<1	6,282	9,734	26,400
Pottery, ceramics, and plumbing fixture manufacturing	<1	8,808	13,775	25,372
Brick, tile, and other structural clay product manufacturing	<1	6,030	11,747	22,554
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	16,115	32,020	77,146
Glass container manufacturing	<1	6,170	11,137	28,764
Glass product manufacturing made of purchased glass	<1	1,172	2,280	7,061
Cement manufacturing	<1	9,524	27,131	71,432
Ready-mix concrete manufacturing	1	88,816	169,801	544,323
Concrete block and brick manufacturing	<1	18,078	37,570	101,738
Concrete pipe manufacturing	<1	17,224	32,332	80,484
Other concrete product manufacturing	2	104,418	158,569	401,941
Lime manufacturing	<1	2,218	6,252	14,236
Gypsum product manufacturing	3	277,998	860,135	1,978,737

Appendix

Abrasive product manufacturing	<1	459	1,481	2,708
Cut stone and stone product manufacturing	<1	5,420	6,774	16,216
Ground or treated mineral and earth manufacturing	<1	25,877	81,234	167,570
Mineral wool manufacturing	<1	3,508	9,655	23,335
Miscellaneous nonmetallic mineral products manufacturing	<1	6,265	21,097	51,229
Iron and steel mills and ferroalloy manufacturing	<1	36,060	51,145	338,188
Iron, steel pipe and tube manufacturing from purchased steel	<1	65,538	84,030	426,322
Rolled steel shape manufacturing	<1	904	1,348	9,877
Steel wire drawing	<1	721	812	5,819
Alumina refining and primary aluminum production	<1	8,267	10,553	76,659
Secondary smelting and alloying of aluminum	<1	447	651	6,104
Aluminum sheet, plate, and foil manufacturing	<1	1,321	2,042	17,682
Other aluminum rolling, drawing and extruding	<1	2,413	2,911	16,449
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	649	722	3,143
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	481	562	1,785
Nonferrous metal foundries	<1	570	695	2,081
Custom roll forming	<1	1,475	2,285	9,722
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	453	682	2,252
Nonferrous forging	<1	1,183	1,608	4,757
Cutlery, utensil, pot, and pan manufacturing	<1	187	431	1,600
Handtool manufacturing	<1	280	429	1,093
Prefabricated metal buildings and components manufacturing	<1	42,109	56,087	206,242
Fabricated structural metal manufacturing	8	533,827	743,392	2,594,791
Plate work manufacturing	<1	21,176	22,989	72,061
Metal window and door manufacturing	<1	5,387	7,012	23,089
Sheet metal work manufacturing	<1	9,746	12,353	35,489

Appendix

Ornamental and architectural metal work manufacturing	<1	18,732	23,305	72,144
Power boiler and heat exchanger manufacturing	<1	962	1,329	3,591
Metal tank (heavy gauge) manufacturing	<1	27,359	33,521	102,611
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	526	638	3,039
Hardware manufacturing	<1	6	10	100
Spring and wire product manufacturing	<1	8,698	11,370	38,236
Machine shops	1	80,361	95,245	194,103
Turned product and screw, nut, and bolt manufacturing	<1	1,104	1,530	4,450
Metal heat treating	<1	20,939	28,586	64,942
Metal coating and nonprecious engraving	<1	18,810	30,373	76,372
Electroplating, anodizing, and coloring metal	<1	2,395	2,683	6,624
Valve and fittings, other than plumbing, manufacturing	<1	29,213	43,544	119,540
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	324	646	1,448
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	46	78	191
Fabricated pipe and pipe fitting manufacturing	<1	34,239	40,941	108,605
Other fabricated metal manufacturing	<1	22,488	28,242	84,085
Farm machinery and equipment manufacturing	<1	785	1,072	3,624
Lawn and garden equipment manufacturing	<1	1,048	1,499	6,739
Construction machinery manufacturing	<1	1,191	1,996	6,926
Mining machinery and equipment manufacturing	<1	347	449	1,260
Oil and gas field machinery and equipment manufacturing	<1	6,145	8,032	26,311
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	99	106	300

Appendix

Sawmill, woodworking, and paper machinery	<1	340	364	1,099
Printing machinery and equipment manufacturing	<1	65	69	203
All other industrial machinery manufacturing	<1	142	163	475
Optical instrument and lens manufacturing	<1	11	13	37
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	9,373	12,960	44,923
Air purification and ventilation equipment manufacturing	<1	482	578	1,483
Heating equipment (except warm air furnaces) manufacturing	<1	307	387	1,168
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,077	10,250	40,595
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	206	238	486
Cutting tool and machine tool accessory manufacturing	<1	172	184	416
Machine tool manufacturing	<1	692	787	2,419
Rolling mill and other metalworking machinery manufacturing	<1	105	115	251
Turbine and turbine generator set units manufacturing	<1	25	29	147
Speed changer, industrial high-speed drive, and gear manufacturing	<1	138	175	737
Mechanical power transmission equipment manufacturing	<1	58	76	271
Other engine equipment manufacturing	<1	647	1,024	5,914
Pump and pumping equipment manufacturing	<1	1,365	1,947	7,030
Air and gas compressor manufacturing	<1	223	327	1,101
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	29	31	79
Overhead cranes, hoists, and monorail systems manufacturing	<1	188	228	937
Industrial truck, trailer, and stacker manufacturing	<1	991	1,328	4,102

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Power-driven handtool manufacturing	<1	68	126	453
Welding and soldering equipment manufacturing	<1	17	21	98
Packaging machinery manufacturing	<1	32	40	130
Industrial process furnace and oven manufacturing	<1	67	72	178
Fluid power cylinder and actuator manufacturing	<1	1,149	1,397	3,544
Fluid power pump and motor manufacturing	<1	4,001	5,231	18,996
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	786	881	2,408
Electronic computer manufacturing	<1	10	15	91
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	12	16	54
Telephone apparatus manufacturing	<1	51	64	261
Broadcast and wireless communications equipment manufacturing	<1	90	112	368
Other communications equipment manufacturing	<1	169	217	972
Audio and video equipment manufacturing	<1	193	258	1,185
Printed circuit assembly (electronic assembly) manufacturing	<1	461	590	2,732
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	50	70	598
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	422	512	1,348
Electronic connector manufacturing	<1	463	567	1,568
Other electronic component manufacturing	<1	26	30	83
Electromedical and electrotherapeutic apparatus manufacturing	<1	32	44	97
Search, detection, and navigation instruments manufacturing	<1	172	219	496
Automatic environmental control manufacturing	<1	486	573	1,596

Appendix

Industrial process variable instruments manufacturing	<1	4,390	5,562	15,607
Totalizing fluid meter and counting device manufacturing	<1	1,060	1,580	4,456
Electricity and signal testing instruments manufacturing	<1	16	20	67
Analytical laboratory instrument manufacturing	<1	10	14	46
Irradiation apparatus manufacturing	<1	9	13	52
Watch, clock, and other measuring and controlling device manufacturing	<1	414	557	1,573
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	8	10	31
Electric lamp bulb and part manufacturing	<1	563	1,003	2,722
Lighting fixture manufacturing	<1	3,299	4,568	13,821
Small electrical appliance manufacturing	<1	50	95	329
Household cooking appliance manufacturing	<1	377	727	2,540
Household refrigerator and home freezer manufacturing	<1	306	607	2,051
Household laundry equipment manufacturing	<1	490	770	3,391
Other major household appliance manufacturing	<1	111	228	726
Power, distribution, and specialty transformer manufacturing	<1	5,350	7,359	20,974
Motor and generator manufacturing	<1	1,622	2,547	8,328
Switchgear and switchboard apparatus manufacturing	<1	52,413	81,128	232,612
Relay and industrial control manufacturing	<1	1,478	1,911	5,660
Storage battery manufacturing	<1	559	743	1,962
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2,062	2,462	9,077
Other communication and energy wire manufacturing	<1	364	513	1,782
Wiring device manufacturing	<1	480	812	2,053
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	13	14	39
Automobile manufacturing	<1	2,487	2,596	36,194

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	30	32	408
Motor vehicle body manufacturing	<1	586	594	3,265
Truck trailer manufacturing	<1	23	21	131
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,664	1,701	11,621
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,257	2,293	21,185
Motor vehicle electrical and electronic equipment manufacturing	<1	445	848	3,517
Motor vehicle transmission and power train parts manufacturing	<1	1,064	1,141	10,337
Motor vehicle seating and interior trim manufacturing	<1	169	168	1,453
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	3,779	3,680	40,202
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	17	1,710,300	3,925,754	14,861,126
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	6,694	11,071	22,293
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	203	386	624
Railroad rolling stock manufacturing	<1	95	122	545
Ship building and repairing	<1	6,855	9,167	21,686
Boat building	<1	26,078	38,181	122,539
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	1,579	3,939	10,756
All other transportation equipment manufacturing	<1	10,031	21,704	80,273
Wood kitchen cabinet and countertop manufacturing	<1	9,853	11,753	35,106
Upholstered household furniture manufacturing	<1	45	49	231

Appendix

Nonupholstered wood household furniture manufacturing	<1	1,212	1,313	4,843
Other household nonupholstered furniture manufacturing	<1	61	83	419
Institutional furniture manufacturing	<1	60	64	205
Wood office furniture manufacturing	<1	43	53	243
Custom architectural woodwork and millwork	<1	214	199	775
Office furniture, except wood, manufacturing	<1	136	190	928
Showcase, partition, shelving, and locker manufacturing	<1	13	16	81
Mattress manufacturing	<1	121	178	985
Blind and shade manufacturing	<1	69	72	338
Surgical and medical instrument manufacturing	<1	132	225	520
Surgical appliance and supplies manufacturing	<1	946	1,720	5,250
Dental equipment and supplies manufacturing	<1	9	14	35
Ophthalmic goods manufacturing	<1	115	206	505
Dental laboratories	<1	1,725	1,778	3,705
Jewelry and silverware manufacturing	<1	17,664	25,732	69,118
Sporting and athletic goods manufacturing	<1	962	1,303	6,030
Doll, toy, and game manufacturing	<1	211	317	975
Office supplies (except paper) manufacturing	<1	503	696	2,526
Sign manufacturing	<1	7,901	6,856	22,086
Gasket, packing, and sealing device manufacturing	<1	7,935	9,576	25,302
Musical instrument manufacturing	<1	8	8	21
Fasteners, buttons, needles, and pins manufacturing	<1	300	385	1,205
Broom, brush, and mop manufacturing	<1	361	508	1,930
Burial casket manufacturing	<1	181	221	641
All other miscellaneous manufacturing	<1	12,569	16,283	49,996
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	86,901	184,574	444,340
Wholesale - Professional and commercial equipment and supplies	4	361,559	555,766	1,001,389

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Wholesale - Household appliances and electrical and electronic goods	5	494,010	1,077,005	2,429,483
Wholesale - Machinery, equipment, and supplies	7	625,500	1,107,790	1,957,271
Wholesale - Other durable goods merchant wholesalers	13	1,009,078	1,631,916	3,201,702
Wholesale - Drugs and druggists' sundries	2	255,818	668,636	1,220,633
Wholesale - Grocery and related product wholesalers	5	348,206	459,028	943,887
Wholesale - Petroleum and petroleum products	1	93,275	873,410	1,049,692
Wholesale - Other nondurable goods merchant wholesalers	6	472,522	928,352	1,756,286
Wholesale - Wholesale electronic markets and agents and brokers	5	552,054	570,112	663,807
Retail - Motor vehicle and parts dealers	7	388,504	735,340	1,049,493
Retail - Furniture and home furnishings stores	5	192,406	286,477	472,372
Retail - Electronics and appliance stores	5	229,031	276,923	466,158
Retail - Building material and garden equipment and supplies stores	10	461,723	974,635	1,370,157
Retail - Food and beverage stores	22	735,832	1,075,332	1,706,597
Retail - Health and personal care stores	11	500,130	660,878	981,004
Retail - Gasoline stores	7	214,520	432,106	766,723
Retail - Clothing and clothing accessories stores	12	261,954	535,333	1,077,486
Retail - Sporting goods, hobby, musical instrument and book stores	7	155,827	236,274	399,451
Retail - General merchandise stores	22	658,788	1,145,624	1,799,254
Retail - Miscellaneous store retailers	14	313,893	443,792	722,596
Retail - Nonstore retailers	11	114,236	599,181	1,552,637
Air transportation	4	412,973	714,079	1,341,473
Rail transportation	1	156,469	341,208	621,774
Water transportation	<1	65,146	81,477	412,258
Truck transportation	13	753,607	961,923	1,974,493
Transit and ground passenger transportation	23	379,484	453,917	697,890
Pipeline transportation	<1	235,161	322,771	391,652
Scenic and sightseeing transportation and support activities for transportation	7	521,251	588,806	1,110,467

Appendix

Couriers and messengers	7	237,806	416,934	670,936
Warehousing and storage	12	523,314	673,052	1,189,752
Newspaper publishers	1	71,383	125,578	162,722
Periodical publishers	<1	16,674	27,581	49,839
Book publishers	<1	9,134	29,069	46,797
Directory, mailing list, and other publishers	<1	9,985	29,162	44,830
Greeting card publishing	<1	1,450	4,146	6,401
Software publishers	2	148,629	353,510	429,410
Motion picture and video industries	6	396,269	1,219,011	1,911,454
Sound recording industries	<1	2,607	50,193	74,677
Radio and television broadcasting	3	250,068	345,039	1,201,239
Cable and other subscription programming	<1	22,722	176,126	490,841
Wired telecommunications carriers	12	1,177,790	3,054,719	5,591,402
Wireless telecommunications carriers (except satellite)	1	86,815	712,209	1,954,304
Satellite, telecommunications resellers, and all other telecommunications	<1	57,260	97,942	270,015
Data processing, hosting, and related services	5	364,917	700,069	2,241,922
News syndicates, libraries, archives and all other information services	<1	10,404	16,151	44,993
Internet publishing and broadcasting and web search portals	<1	37,464	86,064	445,630
Nondepository credit intermediation and related activities	6	440,779	564,239	1,082,955
Securities and commodity contracts intermediation and brokerage	14	448,194	465,728	1,486,463
Monetary authorities and depository credit intermediation	18	1,639,321	4,387,764	7,476,126
Other financial investment activities	6	156,430	236,007	1,046,455
Direct life insurance carriers	<1	59,892	198,742	282,592
Insurance carriers, except direct life	6	437,927	2,494,863	4,248,552
Insurance agencies, brokerages, and related activities	10	608,961	1,235,944	2,831,625
Funds, trusts, and other financial vehicles	5	190,664	273,488	1,358,643
Other real estate	68	1,177,330	4,062,465	12,002,966
Tenant-occupied housing	10	173,972	2,117,255	2,556,481

Appendix

Owner-occupied dwellings	0	0	8,797,992	11,168,664
Automotive equipment rental and leasing	3	119,243	420,146	632,942
General and consumer goods rental except video tapes and discs	3	154,314	214,431	370,428
Video tape and disc rental	<1	35,464	64,260	99,165
Commercial and industrial machinery and equipment rental and leasing	4	339,034	1,095,278	1,470,649
Lessors of nonfinancial intangible assets	<1	27,052	632,678	748,529
Legal services	19	1,554,102	2,382,623	3,470,114
Accounting, tax preparation, bookkeeping, and payroll services	19	1,243,423	1,340,834	2,185,815
Architectural, engineering, and related services	39	3,293,915	3,388,033	6,042,148
Specialized design services	<1	50,612	60,500	109,790
Custom computer programming services	5	341,008	355,250	536,514
Computer systems design services	6	509,290	454,588	618,217
Other computer related services, including facilities management	4	312,656	339,519	786,132
Management consulting services	81	6,428,171	6,530,616	10,927,176
Environmental and other technical consulting services	10	725,083	736,806	1,150,880
Scientific research and development services	27	1,859,648	2,455,074	5,367,382
Advertising, public relations, and related services	9	585,449	654,677	1,357,077
Photographic services	1	36,081	57,699	147,085
Veterinary services	3	125,053	133,107	228,432
Marketing research and all other miscellaneous professional, scientific, and technical services	18	1,549,475	1,926,282	3,913,048
Management of companies and enterprises	30	2,588,336	3,056,776	5,823,342
Office administrative services	22	1,105,496	528,125	1,404,213
Facilities support services	634	25,272,792	37,723,341	93,786,848
Employment services	162	6,099,196	8,983,807	13,753,091
Business support services	14	486,365	423,053	838,795
Travel arrangement and reservation services	2	63,502	82,677	235,620
Investigation and security services	38	1,086,433	1,066,935	1,746,496
Services to buildings	23	581,155	798,466	1,640,811
Landscape and horticultural services	9	281,243	346,970	676,015

Appendix

Other support services	10	398,079	504,868	1,082,271
Waste management and remediation services	10	727,162	1,175,714	2,226,407
Elementary and secondary schools	8	375,960	321,428	378,025
Junior colleges, colleges, universities, and professional schools	15	633,744	881,702	1,190,925
Other educational services	6	193,578	218,509	452,096
Offices of physicians	35	3,126,519	3,254,271	4,847,433
Offices of dentists	9	537,300	654,704	965,466
Offices of other health practitioners	10	514,011	715,599	977,773
Outpatient care centers	9	540,772	497,360	902,446
Medical and diagnostic laboratories	2	158,668	219,223	343,696
Home health care services	18	781,725	748,432	979,240
Other ambulatory health care services	3	211,133	231,755	367,144
Hospitals	51	3,956,100	4,528,108	9,038,784
Nursing and community care facilities	17	656,054	680,071	1,265,703
Residential mental retardation, mental health, substance abuse and other facilities	7	247,731	252,634	418,075
Individual and family services	28	656,126	587,520	941,035
Child day care services	8	200,145	299,232	421,052
Community food, housing, and other relief services, including rehabilitation services	6	148,747	149,624	385,368
Performing arts companies	1	34,493	70,025	104,303
Commercial Sports Except Racing	9	360,445	319,129	475,542
Racing and Track Operation	<1	16,729	48,008	68,140
Independent artists, writers, and performers	3	110,473	651,094	758,823
Promoters of performing arts and sports and agents for public figures	4	77,333	264,783	429,654
Museums, historical sites, zoos, and parks	1	48,809	77,619	128,563
Amusement parks and arcades	<1	7,903	12,862	24,496
Gambling industries (except casino hotels)	6	190,894	437,060	746,031
Other amusement and recreation industries	4	84,369	93,258	201,989
Fitness and recreational sports centers	5	79,139	100,417	210,705
Bowling centers	<1	15,600	24,293	44,256

Appendix

Hotels and motels, including casino hotels	7	255,514	522,384	785,056
Other accommodations	1	39,219	53,955	73,609
Full-service restaurants	65	1,495,867	2,233,809	3,997,472
Limited-service restaurants	50	930,764	1,572,474	3,618,184
All other food and drinking places	40	1,103,533	1,663,755	2,550,883
Automotive repair and maintenance, except car washes	16	729,413	1,019,079	1,497,559
Car washes	7	346,203	630,171	941,956
Electronic and precision equipment repair and maintenance	3	157,483	185,278	339,786
Commercial and industrial machinery and equipment repair and maintenance	11	725,297	652,210	1,067,278
Personal and household goods repair and maintenance	13	520,982	1,052,361	1,557,456
Personal care services	11	266,275	258,983	359,145
Death care services	2	57,007	48,117	70,067
Dry-cleaning and laundry services	5	138,787	112,935	153,832
Other personal services	9	228,730	289,909	446,409
Religious organizations	16	717,936	471,160	1,451,571
Grantmaking, giving, and social advocacy organizations	3	156,955	577,955	876,005
Business and professional associations	2	131,201	250,173	439,283
Labor and civic organizations	3	76,338	247,513	435,681
Private households	8	137,222	137,201	137,201
Postal service	5	401,591	401,645	428,313
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	12,752	3,305	56,231
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	8,397	9,657	16,430
Local government passenger transit	2	142,351	-148,768	51,051
Local government electric utilities	<1	34,981	85,121	199,499
Other local government enterprises	12	760,522	1,427,304	3,346,718
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	189	32,154,753	40,351,643	92,313,590

Moon to Mars Campaign

Table 680: Detailed M2M Campaign Impacts by Types of Impact, Louisiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,234</i>	<i>68,627,081</i>	<i>112,119,080</i>	<i>225,120,309</i>
Oilseed farming	<1	21,482	86,732	174,288
Grain farming	<1	23,695	2,743	174,924
Vegetable and melon farming	<1	3,153	6,489	17,413
Fruit farming	<1	594	1,340	2,720
Tree nut farming	<1	1,821	4,383	8,914
Greenhouse, nursery, and floriculture production	<1	4,885	7,845	22,836
Tobacco farming	0	0	0	0
Cotton farming	<1	1,452	2,268	6,573
Sugarcane and sugar beet farming	<1	9,749	13,696	41,800
All other crop farming	1	8,800	12,705	40,481
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	6,043	10,868	36,303
Dairy cattle and milk production	<1	847	1,576	10,448
Poultry and egg production	<1	1,610	2,918	48,984
Animal production, except cattle and poultry and eggs	<1	19,267	53,949	93,608
Forestry, forest products, and timber tract production	<1	2,197	1,753	2,380
Commercial logging	<1	34,889	25,775	49,196
Commercial fishing	<1	33,349	27,766	30,051
Commercial hunting and trapping	<1	4,249	3,401	4,171
Support activities for agriculture and forestry	<1	23,408	19,939	26,065
Oil and gas extraction	<1	122,278	294,187	592,625

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Coal mining	<1	10,350	34,601	66,749
Copper, nickel, lead, and zinc mining	<1	9,783	53,912	100,433
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	135	869	1,635
Sand and gravel mining	<1	5,195	18,031	38,886
Other clay, ceramic, refractory minerals mining	<1	53	206	607
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	1,848	5,892	11,469
Other nonmetallic minerals	<1	663	2,382	5,373
Drilling oil and gas wells	<1	41	84	184
Support activities for oil and gas operations	<1	1,010	1,522	3,039
Metal mining services	<1	3,713	9,014	22,195
Other nonmetallic minerals services	<1	779	2,047	4,378
Electric power generation - Hydroelectric	<1	9,081	37,212	66,233
Electric power generation - Fossil fuel	2	329,755	1,617,974	3,327,338
Electric power generation - Nuclear	3	569,579	1,544,831	2,914,512
Electric power generation - Solar	<1	3,439	17,781	33,077
Electric power generation - Wind	<1	5,192	65,503	105,772
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	3,034	20,851	45,699
Electric power generation - All other	<1	10,917	10,262	21,832
Electric power transmission and distribution	6	846,901	4,183,356	8,871,620
Natural gas distribution	<1	23,588	94,616	176,963
Water, sewage and other systems	5	404,893	944,415	1,624,839
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	5	348,341	436,890	1,090,478
Maintenance and repair construction of residential structures	2	91,087	115,999	282,534
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	223	279	706
Dog and cat food manufacturing	<1	40	140	454
Other animal food manufacturing	<1	3,915	7,380	53,538
Flour milling	<1	1,642	3,442	24,070
Rice milling	<1	1,513	2,593	18,899
Malt manufacturing	0	0	0	0
Wet corn milling	<1	16,906	52,287	308,979
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	129	292	3,169
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	5,050	15,201	66,977
Nonchocolate confectionery manufacturing	<1	350	580	3,153
Chocolate and confectionery manufacturing from cacao beans	<1	477	783	3,411
Confectionery manufacturing from purchased chocolate	<1	1,509	2,267	11,998
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	3,319	4,919	19,034
Canned fruits and vegetables manufacturing	<1	4,730	10,609	37,665

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Canned specialties	<1	581	1,579	5,994
Dehydrated food products manufacturing	<1	1,320	2,587	9,312
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	6,609	11,712	74,440
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	19	29	188
Frozen cakes and other pastries manufacturing	<1	7,345	11,389	20,530
Poultry processing	<1	15,589	21,123	112,616
Animal, except poultry, slaughtering	<1	2,354	3,161	29,531
Meat processed from carcasses	<1	9,639	9,877	86,353
Rendering and meat byproduct processing	<1	499	566	3,308
Seafood product preparation and packaging	<1	9,568	13,409	80,530
Bread and bakery product, except frozen, manufacturing	<1	23,568	36,253	87,481
Cookie and cracker manufacturing	<1	2,235	3,680	13,841
Dry pasta, mixes, and dough manufacturing	<1	1,892	4,681	17,344
Tortilla manufacturing	<1	1,072	1,387	5,854
Roasted nuts and peanut butter manufacturing	<1	2,856	5,070	19,334
Other snack food manufacturing	<1	2,709	3,975	18,881
Coffee and tea manufacturing	<1	6,631	13,809	52,429
Flavoring syrup and concentrate manufacturing	<1	1,059	9,158	24,198
Mayonnaise, dressing, and sauce manufacturing	<1	2,021	4,202	15,957
Spice and extract manufacturing	<1	3,117	5,807	24,625
All other food manufacturing	<1	1,393	2,208	11,572
Bottled and canned soft drinks & water	<1	22,033	40,152	164,592
Manufactured ice	<1	1,519	1,097	4,378
Breweries	<1	4,627	12,390	35,240
Wineries	<1	324	591	2,393
Distilleries	<1	805	5,311	11,315
Tobacco product manufacturing	<1	778	31,390	48,674
Fiber, yarn, and thread mills	<1	593	1,154	6,591
Broadwoven fabric mills	<1	1,029	2,189	6,125
Narrow fabric mills and schiffli machine embroidery	<1	63	73	249

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Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	85	120	389
Textile and fabric finishing mills	<1	25	35	163
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	138	198	847
Textile bag and canvas mills	<1	919	1,184	3,589
Rope, cordage, twine, tire cord and tire fabric mills	<1	542	967	2,550
Other textile product mills	<1	1,521	1,969	5,794
Hosiery and sock mills	<1	46	113	231
Other apparel knitting mills	<1	66	145	326
Cut and sew apparel contractors	<1	103	150	417
Mens and boys cut and sew apparel manufacturing	<1	338	596	1,821
Womens and girls cut and sew apparel manufacturing	<1	259	633	2,731
Other cut and sew apparel manufacturing	<1	199	430	1,551
Apparel accessories and other apparel manufacturing	<1	180	387	1,126
Leather and hide tanning and finishing	<1	185	538	2,211
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	49	57	187
Sawmills	<1	13,439	23,051	73,425
Wood preservation	<1	881	2,800	9,598
Veneer and plywood manufacturing	<1	39,197	65,737	194,178
Engineered wood member and truss manufacturing	<1	21,106	33,682	86,401
Reconstituted wood product manufacturing	<1	13,821	35,776	109,850
Wood windows and door manufacturing	<1	4,552	6,906	19,726
Cut stock, resawing lumber, and planing	<1	876	1,734	4,904
Other millwork, including flooring	<1	1,175	2,105	6,181
Wood container and pallet manufacturing	<1	9,423	13,838	40,287
Manufactured home (mobile home) manufacturing	<1	2	3	9
Prefabricated wood building manufacturing	<1	693	1,001	2,897
All other miscellaneous wood product manufacturing	<1	56,389	88,987	215,352
Pulp mills	0	0	0	0

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Paper mills	<1	22,543	62,964	172,730
Paperboard mills	<1	34,841	107,027	316,140
Paperboard container manufacturing	<1	38,272	70,584	229,131
Paper bag and coated and treated paper manufacturing	<1	7,922	18,121	61,821
Stationery product manufacturing	<1	4,858	8,560	21,709
Sanitary paper product manufacturing	<1	5,425	21,981	44,599
All other converted paper product manufacturing	<1	1,263	2,225	9,017
Printing	1	65,987	95,894	232,963
Support activities for printing	<1	1,043	1,404	2,638
Petroleum refineries	<1	89,012	708,854	2,661,796
Asphalt paving mixture and block manufacturing	<1	3,223	5,483	27,561
Asphalt shingle and coating materials manufacturing	<1	2,209	9,564	18,290
Petroleum lubricating oil and grease manufacturing	<1	7,804	31,890	57,505
All other petroleum and coal products manufacturing	<1	3,546	15,376	34,766
Petrochemical manufacturing	<1	30,453	267,948	967,198
Industrial gas manufacturing	<1	82,522	177,523	451,765
Synthetic dye and pigment manufacturing	<1	1,349	2,922	8,870
Other basic inorganic chemical manufacturing	<1	68,627	170,182	456,182
Other basic organic chemical manufacturing	<1	66,946	137,781	746,359
Plastics material and resin manufacturing	<1	32,296	55,278	295,380
Synthetic rubber manufacturing	<1	13,581	21,132	76,308
Artificial and synthetic fibers and filaments manufacturing	<1	73	106	432
Nitrogenous fertilizer manufacturing	<1	11,369	29,717	69,191
Phosphatic fertilizer manufacturing	<1	4,366	9,817	27,153
Fertilizer mixing	<1	178	386	1,144
Pesticide and other agricultural chemical manufacturing	<1	7,506	23,119	75,724
Medicinal and botanical manufacturing	<1	6	11	35
Pharmaceutical preparation manufacturing	<1	2,109	8,026	26,665
In-vitro diagnostic substance manufacturing	<1	17	26	80

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Biological product (except diagnostic) manufacturing	<1	6	15	39
Paint and coating manufacturing	<1	3,416	7,243	29,681
Adhesive manufacturing	<1	3,215	5,660	18,846
Soap and other detergent manufacturing	<1	18,439	67,844	185,643
Polish and other sanitation good manufacturing	<1	136	226	713
Surface active agent manufacturing	<1	1,863	7,268	20,688
Toilet preparation manufacturing	<1	719	2,590	7,245
Printing ink manufacturing	<1	79	87	469
Explosives manufacturing	<1	64	74	306
Custom compounding of purchased resins	<1	760	1,534	6,486
Photographic film and chemical manufacturing	<1	287	725	3,307
Other miscellaneous chemical product manufacturing	<1	9,089	16,313	56,192
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,687	6,976	25,569
Unlaminated plastics profile shape manufacturing	<1	320	849	2,329
Plastics pipe and pipe fitting manufacturing	<1	1,267	4,257	12,969
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	400	874	2,377
Polystyrene foam product manufacturing	<1	163	317	1,080
Urethane and other foam product (except polystyrene) manufacturing	<1	72	134	491
Plastics bottle manufacturing	<1	3,425	6,233	24,534
Other plastics product manufacturing	<1	5,627	9,227	27,501
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	5,361	8,876	20,329
Other rubber product manufacturing	<1	2,675	4,139	11,451
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,365	2,055	4,007
Brick, tile, and other structural clay product manufacturing	<1	839	1,588	3,134
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	9,810	18,943	45,356
Glass container manufacturing	<1	3,703	6,468	17,080

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Glass product manufacturing made of purchased glass	<1	550	1,045	3,287
Cement manufacturing	<1	1,348	3,740	10,026
Ready-mix concrete manufacturing	<1	10,186	19,170	61,933
Concrete block and brick manufacturing	<1	1,590	3,177	8,926
Concrete pipe manufacturing	<1	461	858	2,210
Other concrete product manufacturing	<1	6,132	9,200	23,774
Lime manufacturing	<1	854	2,429	5,554
Gypsum product manufacturing	2	188,475	560,255	1,318,077
Abrasive product manufacturing	<1	126	382	707
Cut stone and stone product manufacturing	<1	1,399	1,740	4,173
Ground or treated mineral and earth manufacturing	<1	12,565	38,964	80,027
Mineral wool manufacturing	<1	483	1,297	3,056
Miscellaneous nonmetallic mineral products manufacturing	<1	212	682	1,641
Iron and steel mills and ferroalloy manufacturing	<1	9,093	12,274	86,892
Iron, steel pipe and tube manufacturing from purchased steel	<1	19,562	24,295	122,759
Rolled steel shape manufacturing	<1	189	273	2,153
Steel wire drawing	<1	124	144	1,019
Alumina refining and primary aluminum production	<1	3,536	4,321	29,521
Secondary smelting and alloying of aluminum	<1	189	263	2,480
Aluminum sheet, plate, and foil manufacturing	<1	518	759	7,048
Other aluminum rolling, drawing and extruding	<1	1,184	1,385	7,888
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	268	289	1,315
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	213	247	808
Nonferrous metal foundries	<1	253	298	900
Custom roll forming	<1	622	932	4,027
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	149	222	728

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Nonferrous forging	<1	434	584	1,676
Cutlery, utensil, pot, and pan manufacturing	<1	103	239	882
Handtool manufacturing	<1	149	228	566
Prefabricated metal buildings and components manufacturing	<1	1,154	1,434	5,646
Fabricated structural metal manufacturing	5	316,501	427,832	1,512,705
Plate work manufacturing	<1	9,921	10,774	33,692
Metal window and door manufacturing	<1	988	1,273	4,177
Sheet metal work manufacturing	<1	2,624	3,307	9,401
Ornamental and architectural metal work manufacturing	<1	4,963	6,062	18,796
Power boiler and heat exchanger manufacturing	<1	738	978	2,738
Metal tank (heavy gauge) manufacturing	<1	14,522	17,520	52,252
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	263	320	1,475
Hardware manufacturing	<1	2	3	31
Spring and wire product manufacturing	<1	1,478	1,855	6,318
Machine shops	<1	38,515	45,573	92,119
Turned product and screw, nut, and bolt manufacturing	<1	472	643	1,841
Metal heat treating	<1	14,470	19,486	44,407
Metal coating and nonprecious engraving	<1	8,924	14,196	35,996
Electroplating, anodizing, and coloring metal	<1	1,166	1,302	3,209
Valve and fittings, other than plumbing, manufacturing	<1	4,677	7,010	19,522
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	181	370	791
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	36	61	144
Fabricated pipe and pipe fitting manufacturing	<1	8,309	9,708	26,387
Other fabricated metal manufacturing	<1	7,586	9,550	27,945
Farm machinery and equipment manufacturing	<1	309	437	1,402

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Lawn and garden equipment manufacturing	<1	659	986	4,090
Construction machinery manufacturing	<1	232	424	1,367
Mining machinery and equipment manufacturing	<1	91	117	325
Oil and gas field machinery and equipment manufacturing	<1	1,958	2,599	8,492
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	49	54	152
Sawmill, woodworking, and paper machinery	<1	133	145	428
Printing machinery and equipment manufacturing	<1	34	36	101
All other industrial machinery manufacturing	<1	146	170	492
Optical instrument and lens manufacturing	<1	6	7	20
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	1,630	2,256	7,638
Air purification and ventilation equipment manufacturing	<1	150	185	476
Heating equipment (except warm air furnaces) manufacturing	<1	96	128	351
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,530	3,779	14,361
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	104	123	244
Cutting tool and machine tool accessory manufacturing	<1	62	66	149
Machine tool manufacturing	<1	492	575	1,773
Rolling mill and other metalworking machinery manufacturing	<1	46	51	109
Turbine and turbine generator set units manufacturing	<1	14	17	78
Speed changer, industrial high-speed drive, and gear manufacturing	<1	83	109	424
Mechanical power transmission equipment manufacturing	<1	27	37	128
Other engine equipment manufacturing	<1	528	884	4,346

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Pump and pumping equipment manufacturing	<1	168	240	866
Air and gas compressor manufacturing	<1	77	117	402
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	12	13	34
Overhead cranes, hoists, and monorail systems manufacturing	<1	90	136	497
Industrial truck, trailer, and stacker manufacturing	<1	505	688	2,076
Power-driven handtool manufacturing	<1	55	102	342
Welding and soldering equipment manufacturing	<1	10	12	49
Packaging machinery manufacturing	<1	17	22	69
Industrial process furnace and oven manufacturing	<1	54	59	142
Fluid power cylinder and actuator manufacturing	<1	98	121	310
Fluid power pump and motor manufacturing	<1	550	730	2,601
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	291	331	874
Electronic computer manufacturing	<1	6	9	50
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	7	9	29
Telephone apparatus manufacturing	<1	25	32	128
Broadcast and wireless communications equipment manufacturing	<1	37	47	149
Other communications equipment manufacturing	<1	115	146	668
Audio and video equipment manufacturing	<1	121	161	724
Printed circuit assembly (electronic assembly) manufacturing	<1	257	337	1,527
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	18	26	213

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	243	298	774
Electronic connector manufacturing	<1	222	272	758
Other electronic component manufacturing	<1	13	16	42
Electromedical and electrotherapeutic apparatus manufacturing	<1	17	23	50
Search, detection, and navigation instruments manufacturing	<1	98	124	275
Automatic environmental control manufacturing	<1	366	430	1,228
Industrial process variable instruments manufacturing	<1	1,558	1,976	5,502
Totalizing fluid meter and counting device manufacturing	<1	459	683	1,925
Electricity and signal testing instruments manufacturing	<1	6	7	24
Analytical laboratory instrument manufacturing	<1	6	7	25
Irradiation apparatus manufacturing	<1	5	7	27
Watch, clock, and other measuring and controlling device manufacturing	<1	66	88	246
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	6	8	21
Electric lamp bulb and part manufacturing	<1	385	715	1,852
Lighting fixture manufacturing	<1	2,847	3,826	11,335
Small electrical appliance manufacturing	<1	23	46	151
Household cooking appliance manufacturing	<1	189	395	1,324
Household refrigerator and home freezer manufacturing	<1	146	317	1,026
Household laundry equipment manufacturing	<1	200	335	1,439
Other major household appliance manufacturing	<1	44	102	306
Power, distribution, and specialty transformer manufacturing	<1	4,595	6,402	17,602
Motor and generator manufacturing	<1	664	1,026	3,416
Switchgear and switchboard apparatus manufacturing	<1	42,780	67,376	186,970

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Relay and industrial control manufacturing	<1	874	1,152	3,297
Storage battery manufacturing	<1	343	442	1,144
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,924	2,302	8,053
Other communication and energy wire manufacturing	<1	242	340	1,154
Wiring device manufacturing	<1	129	222	534
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	7	8	21
Automobile manufacturing	<1	918	938	12,941
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	11	11	143
Motor vehicle body manufacturing	<1	200	204	1,144
Truck trailer manufacturing	<1	7	6	39
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	595	610	4,152
Motor vehicle gasoline engine and engine parts manufacturing	<1	986	973	9,313
Motor vehicle electrical and electronic equipment manufacturing	<1	193	364	1,401
Motor vehicle transmission and power train parts manufacturing	<1	740	779	6,289
Motor vehicle seating and interior trim manufacturing	<1	27	27	222
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	1,238	1,101	13,101
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	27	73	250
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	121	184	353
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	109	170	325

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Railroad rolling stock manufacturing	<1	52	68	284
Ship building and repairing	<1	3,526	4,739	11,187
Boat building	<1	9,450	13,736	44,381
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	256	642	1,567
All other transportation equipment manufacturing	<1	4,771	10,569	38,274
Wood kitchen cabinet and countertop manufacturing	<1	2,707	3,046	9,268
Upholstered household furniture manufacturing	<1	25	28	129
Nonupholstered wood household furniture manufacturing	<1	526	553	2,043
Other household nonupholstered furniture manufacturing	<1	30	40	197
Institutional furniture manufacturing	<1	16	17	54
Wood office furniture manufacturing	<1	1	1	6
Custom architectural woodwork and millwork	<1	46	42	162
Office furniture, except wood, manufacturing	<1	17	22	114
Showcase, partition, shelving, and locker manufacturing	<1	4	5	24
Mattress manufacturing	<1	52	72	409
Blind and shade manufacturing	<1	27	27	134
Surgical and medical instrument manufacturing	<1	64	108	238
Surgical appliance and supplies manufacturing	<1	521	969	2,824
Dental equipment and supplies manufacturing	<1	5	7	17
Ophthalmic goods manufacturing	<1	57	105	248
Dental laboratories	<1	870	899	1,857
Jewelry and silverware manufacturing	<1	7,328	10,756	28,641
Sporting and athletic goods manufacturing	<1	407	552	2,436
Doll, toy, and game manufacturing	<1	98	155	454
Office supplies (except paper) manufacturing	<1	311	434	1,485
Sign manufacturing	<1	3,093	2,729	8,695
Gasket, packing, and sealing device manufacturing	<1	3,024	3,629	9,446

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Musical instrument manufacturing	<1	6	7	16
Fasteners, buttons, needles, and pins manufacturing	<1	155	204	638
Broom, brush, and mop manufacturing	<1	209	360	1,114
Burial casket manufacturing	<1	53	66	182
All other miscellaneous manufacturing	<1	7,236	9,473	28,213
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	40,456	86,931	208,622
Wholesale - Professional and commercial equipment and supplies	2	192,984	296,452	529,321
Wholesale - Household appliances and electrical and electronic goods	3	265,496	574,865	1,286,617
Wholesale - Machinery, equipment, and supplies	2	202,726	357,066	630,096
Wholesale - Other durable goods merchant wholesalers	5	418,291	673,674	1,317,274
Wholesale - Drugs and druggists' sundries	<1	112,254	293,610	526,378
Wholesale - Grocery and related product wholesalers	2	147,816	194,981	399,324
Wholesale - Petroleum and petroleum products	<1	33,654	394,947	463,889
Wholesale - Other nondurable goods merchant wholesalers	3	208,988	425,993	786,760
Wholesale - Wholesale electronic markets and agents and brokers	2	227,303	234,806	272,814
Retail - Motor vehicle and parts dealers	3	163,411	309,402	438,809
Retail - Furniture and home furnishings stores	2	82,212	122,430	199,971
Retail - Electronics and appliance stores	2	96,928	118,916	196,574
Retail - Building material and garden equipment and supplies stores	3	119,135	252,764	354,434
Retail - Food and beverage stores	10	331,376	481,522	754,587
Retail - Health and personal care stores	4	209,406	278,100	412,455
Retail - Gasoline stores	3	96,873	189,043	325,587
Retail - Clothing and clothing accessories stores	5	114,979	233,144	460,357
Retail - Sporting goods, hobby, musical instrument and book stores	3	65,576	99,660	166,371
Retail - General merchandise stores	9	268,374	469,227	736,326

Appendix

Retail - Miscellaneous store retailers	6	135,459	191,225	305,060
Retail - Nonstore retailers	5	48,010	267,218	682,328
Air transportation	2	220,285	393,735	724,245
Rail transportation	<1	101,593	186,377	363,552
Water transportation	<1	35,452	44,943	217,903
Truck transportation	7	402,315	510,817	1,049,578
Transit and ground passenger transportation	14	252,424	301,020	443,352
Pipeline transportation	<1	87,558	130,981	162,523
Scenic and sightseeing transportation and support activities for transportation	3	250,262	283,841	539,779
Couriers and messengers	4	121,670	219,386	352,775
Warehousing and storage	6	274,679	354,090	623,356
Newspaper publishers	<1	32,962	58,191	74,264
Periodical publishers	<1	10,088	16,797	28,892
Book publishers	<1	4,354	13,859	22,042
Directory, mailing list, and other publishers	<1	4,033	12,100	18,446
Greeting card publishing	<1	630	1,920	2,816
Software publishers	<1	48,459	117,152	142,407
Motion picture and video industries	4	315,836	952,958	1,343,830
Sound recording industries	<1	1,794	35,455	49,220
Radio and television broadcasting	1	161,859	211,672	592,808
Cable and other subscription programming	<1	27,008	146,344	340,390
Wired telecommunications carriers	9	893,757	2,321,631	4,175,891
Wireless telecommunications carriers (except satellite)	<1	46,238	388,329	1,031,883
Satellite, telecommunications resellers, and all other telecommunications	<1	30,600	51,525	136,397
Data processing, hosting, and related services	2	159,484	302,551	876,341
News syndicates, libraries, archives and all other information services	<1	5,393	8,587	22,677
Internet publishing and broadcasting and web search portals	<1	23,472	53,849	226,519
Nondepository credit intermediation and related activities	3	220,327	282,509	522,970
Securities and commodity contracts intermediation and brokerage	6	226,618	231,038	673,443

Appendix

Monetary authorities and depository credit intermediation	8	726,279	1,951,095	3,278,925
Other financial investment activities	3	86,018	126,568	501,311
Direct life insurance carriers	<1	23,227	80,504	111,469
Insurance carriers, except direct life	3	204,074	1,228,437	1,992,497
Insurance agencies, brokerages, and related activities	4	281,048	588,303	1,299,743
Funds, trusts, and other financial vehicles	2	94,938	139,883	594,232
Other real estate	32	650,105	2,164,331	5,990,298
Tenant-occupied housing	4	78,682	985,782	1,168,265
Owner-occupied dwellings	0	0	4,058,606	5,152,223
Automotive equipment rental and leasing	1	75,178	224,097	324,427
General and consumer goods rental except video tapes and discs	1	80,861	106,290	175,306
Video tape and disc rental	<1	15,051	26,995	41,511
Commercial and industrial machinery and equipment rental and leasing	2	150,895	445,533	589,300
Lessors of nonfinancial intangible assets	<1	15,366	366,804	431,121
Legal services	8	699,371	1,090,700	1,564,318
Accounting, tax preparation, bookkeeping, and payroll services	10	677,204	752,159	1,191,330
Architectural, engineering, and related services	12	993,400	1,036,260	1,823,370
Specialized design services	<1	22,637	28,194	49,408
Custom computer programming services	2	159,226	164,410	243,994
Computer systems design services	3	289,859	259,421	348,397
Other computer related services, including facilities management	2	200,815	215,826	488,439
Management consulting services	41	3,509,020	3,588,619	5,833,092
Environmental and other technical consulting services	6	443,590	456,474	704,032
Scientific research and development services	4	297,610	389,287	831,914
Advertising, public relations, and related services	4	299,438	342,142	678,048
Photographic services	<1	17,733	30,659	74,021
Veterinary services	1	53,483	58,339	97,954
Marketing research and all other miscellaneous professional, scientific, and technical services	14	1,305,586	1,691,813	3,306,465

Appendix

Management of companies and enterprises	15	1,356,543	1,611,760	3,015,468
Office administrative services	14	771,359	397,505	965,106
Facilities support services	394	17,976,301	26,706,120	61,440,034
Employment services	89	3,723,006	5,597,125	8,197,511
Business support services	6	233,624	206,886	393,718
Travel arrangement and reservation services	<1	33,165	43,467	122,631
Investigation and security services	21	663,465	655,754	1,036,627
Services to buildings	12	334,945	468,596	920,547
Landscape and horticultural services	4	143,287	178,454	338,799
Other support services	5	218,414	279,536	581,891
Waste management and remediation services	5	394,194	637,126	1,191,751
Elementary and secondary schools	4	198,985	170,376	197,932
Junior colleges, colleges, universities, and professional schools	5	254,432	354,348	459,539
Other educational services	3	94,709	107,672	216,291
Offices of physicians	15	1,343,387	1,404,885	2,091,826
Offices of dentists	4	233,549	288,954	421,794
Offices of other health practitioners	4	217,995	310,401	420,415
Outpatient care centers	4	238,681	220,991	404,984
Medical and diagnostic laboratories	1	70,327	99,305	153,442
Home health care services	8	338,331	325,410	428,796
Other ambulatory health care services	1	92,636	102,581	161,165
Hospitals	24	1,922,488	2,184,592	4,338,537
Nursing and community care facilities	7	293,738	304,757	556,397
Residential mental retardation, mental health, substance abuse and other facilities	3	122,402	125,078	203,763
Individual and family services	12	301,024	272,092	431,303
Child day care services	4	91,795	139,031	192,449
Community food, housing, and other relief services, including rehabilitation services	3	73,413	74,107	186,859
Performing arts companies	<1	18,912	37,831	52,175
Commercial Sports Except Racing	4	194,185	166,771	243,494
Racing and Track Operation	<1	8,001	23,009	29,604
Independent artists, writers, and performers	2	83,627	455,150	516,128

Appendix

Promoters of performing arts and sports and agents for public figures	2	42,219	140,970	214,628
Museums, historical sites, zoos, and parks	<1	21,446	34,064	55,511
Amusement parks and arcades	<1	3,887	5,675	10,805
Gambling industries (except casino hotels)	3	87,744	195,775	329,856
Other amusement and recreation industries	2	37,525	39,893	85,289
Fitness and recreational sports centers	2	38,527	46,652	96,402
Bowling centers	<1	6,673	10,091	18,188
Hotels and motels, including casino hotels	4	156,289	314,005	465,726
Other accommodations	<1	22,169	30,304	40,812
Full-service restaurants	30	716,423	1,081,878	1,895,555
Limited-service restaurants	22	421,653	717,745	1,606,766
All other food and drinking places	20	592,048	893,572	1,338,658
Automotive repair and maintenance, except car washes	8	378,551	505,527	742,001
Car washes	3	165,099	298,157	442,833
Electronic and precision equipment repair and maintenance	2	85,767	101,947	183,040
Commercial and industrial machinery and equipment repair and maintenance	5	362,627	322,534	516,864
Personal and household goods repair and maintenance	8	335,325	654,152	961,684
Personal care services	5	122,227	114,930	159,805
Death care services	1	28,651	20,997	31,623
Dry-cleaning and laundry services	3	67,648	47,794	67,433
Other personal services	4	113,862	142,630	217,814
Religious organizations	8	335,389	191,131	651,336
Grantmaking, giving, and social advocacy organizations	1	80,211	276,352	420,641
Business and professional associations	<1	64,583	116,949	202,966
Labor and civic organizations	1	38,058	116,147	208,026
Private households	3	64,483	64,483	64,483
Postal service	2	196,172	196,231	208,980
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	6,604	1,932	29,141
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	2,654	3,050	4,842
Local government passenger transit	<1	76,057	-82,700	20,982
Local government electric utilities	<1	22,153	50,923	117,726
Other local government enterprises	6	403,632	718,177	1,671,771
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	46	7,650,199	9,891,444	22,628,935

Investments in Climate Change Research and Technology

Table 681: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Louisiana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	25	1,399,761	2,193,077	4,577,750
Oilseed farming	<1	514	1,219	2,057
Grain farming	<1	801	74	5,888
Vegetable and melon farming	<1	69	141	383
Fruit farming	<1	11	25	51
Tree nut farming	<1	24	58	119
Greenhouse, nursery, and floriculture production	<1	112	180	542
Tobacco farming	0	0	0	0
Cotton farming	<1	142	217	643
Sugarcane and sugar beet farming	<1	292	423	1,365
All other crop farming	<1	313	437	1,450
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	347	834	3,120

Appendix

Dairy cattle and milk production	<1	15	32	233
Poultry and egg production	<1	56	89	1,808
Animal production, except cattle and poultry and eggs	<1	1,924	4,202	6,971
Forestry, forest products, and timber tract production	<1	67	54	77
Commercial logging	<1	230	165	341
Commercial fishing	<1	622	858	899
Commercial hunting and trapping	<1	72	110	131
Support activities for agriculture and forestry	<1	1,648	1,431	1,857
Oil and gas extraction	<1	3,342	6,218	12,926
Coal mining	<1	150	686	1,281
Copper, nickel, lead, and zinc mining	<1	756	3,597	7,233
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1	10	18
Sand and gravel mining	<1	69	284	623
Other clay, ceramic, refractory minerals mining	<1	<1	3	8
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	14	63	127
Other nonmetallic minerals	<1	5	21	49
Drilling oil and gas wells	<1	2	4	8
Support activities for oil and gas operations	<1	65	93	177
Metal mining services	<1	196	434	975
Other nonmetallic minerals services	<1	23	46	95
Electric power generation - Hydroelectric	<1	32	125	226
Electric power generation - Fossil fuel	<1	888	4,913	11,279
Electric power generation - Nuclear	<1	2,306	6,568	13,411
Electric power generation - Solar	<1	12	62	119
Electric power generation - Wind	<1	26	328	569
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	11	68	170
Electric power generation - All other	<1	23	22	58
Electric power transmission and distribution	<1	2,868	15,119	34,177
Natural gas distribution	<1	454	1,752	3,534
Water, sewage and other systems	<1	416	1,149	2,244
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,937	7,428	19,318
Maintenance and repair construction of residential structures	<1	1,922	2,434	6,167
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	7	18
Dog and cat food manufacturing	<1	1	4	12
Other animal food manufacturing	<1	193	342	2,686
Flour milling	<1	52	110	764
Rice milling	<1	29	53	365
Malt manufacturing	0	0	0	0
Wet corn milling	<1	253	719	4,395
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	2	5	55
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	81	239	1,111
Nonchocolate confectionery manufacturing	<1	6	9	56
Chocolate and confectionery manufacturing from cacao beans	<1	6	9	41
Confectionery manufacturing from purchased chocolate	<1	35	52	296
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	70	106	422
Canned fruits and vegetables manufacturing	<1	70	156	572
Canned specialties	<1	13	38	145
Dehydrated food products manufacturing	<1	19	38	140
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	136	236	1,560
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	4
Frozen cakes and other pastries manufacturing	<1	154	240	445
Poultry processing	<1	583	749	4,204
Animal, except poultry, slaughtering	<1	76	100	959
Meat processed from carcasses	<1	236	238	2,154
Rendering and meat byproduct processing	<1	11	13	77
Seafood product preparation and packaging	<1	269	363	2,429
Bread and bakery product, except frozen, manufacturing	<1	506	781	1,921
Cookie and cracker manufacturing	<1	40	62	270
Dry pasta, mixes, and dough manufacturing	<1	39	98	343
Tortilla manufacturing	<1	26	34	151
Roasted nuts and peanut butter manufacturing	<1	55	93	389
Other snack food manufacturing	<1	63	95	453
Coffee and tea manufacturing	<1	148	300	1,171
Flavoring syrup and concentrate manufacturing	<1	30	285	731
Mayonnaise, dressing, and sauce manufacturing	<1	38	82	327
Spice and extract manufacturing	<1	46	83	384
All other food manufacturing	<1	24	38	213

Appendix

Bottled and canned soft drinks & water	<1	574	1,021	4,362
Manufactured ice	<1	36	24	113
Breweries	<1	98	246	722
Wineries	<1	5	8	36
Distilleries	<1	19	112	260
Tobacco product manufacturing	<1	16	479	843
Fiber, yarn, and thread mills	<1	13	22	153
Broadwoven fabric mills	<1	37	67	212
Narrow fabric mills and schiffli machine embroidery	<1	2	2	7
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	1	2	6
Textile and fabric finishing mills	<1	<1	<1	2
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	3	4	17
Textile bag and canvas mills	<1	26	33	107
Rope, cordage, twine, tire cord and tire fabric mills	<1	50	83	239
Other textile product mills	<1	32	40	129
Hosiery and sock mills	<1	1	2	6
Other apparel knitting mills	<1	1	3	7
Cut and sew apparel contractors	<1	4	6	17
Mens and boys cut and sew apparel manufacturing	<1	4	6	23
Womens and girls cut and sew apparel manufacturing	<1	3	7	34
Other cut and sew apparel manufacturing	<1	2	5	20
Apparel accessories and other apparel manufacturing	<1	3	6	20
Leather and hide tanning and finishing	<1	2	6	29
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	216	371	1,174
Wood preservation	<1	18	60	189
Veneer and plywood manufacturing	<1	182	321	904
Engineered wood member and truss manufacturing	<1	54	88	225
Reconstituted wood product manufacturing	<1	61	168	485
Wood windows and door manufacturing	<1	245	368	1,077

Appendix

Cut stock, resawing lumber, and planing	<1	10	20	56
Other millwork, including flooring	<1	44	78	244
Wood container and pallet manufacturing	<1	67	100	298
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	16	24	66
All other miscellaneous wood product manufacturing	<1	65	105	264
Pulp mills	0	0	0	0
Paper mills	<1	606	2,038	4,872
Paperboard mills	<1	786	2,659	7,064
Paperboard container manufacturing	<1	395	749	2,476
Paper bag and coated and treated paper manufacturing	<1	153	380	1,311
Stationery product manufacturing	<1	93	171	456
Sanitary paper product manufacturing	<1	146	641	1,196
All other converted paper product manufacturing	<1	40	72	273
Printing	<1	1,254	1,721	4,706
Support activities for printing	<1	15	19	38
Petroleum refineries	<1	1,926	14,811	56,490
Asphalt paving mixture and block manufacturing	<1	68	113	603
Asphalt shingle and coating materials manufacturing	<1	47	195	382
Petroleum lubricating oil and grease manufacturing	<1	191	770	1,470
All other petroleum and coal products manufacturing	<1	224	1,117	2,552
Petrochemical manufacturing	<1	1,926	17,504	70,587
Industrial gas manufacturing	<1	521	1,118	2,800
Synthetic dye and pigment manufacturing	<1	6	12	35
Other basic inorganic chemical manufacturing	<1	834	1,819	5,122
Other basic organic chemical manufacturing	<1	1,384	2,794	13,418
Plastics material and resin manufacturing	<1	616	1,004	4,866
Synthetic rubber manufacturing	<1	430	650	2,155
Artificial and synthetic fibers and filaments manufacturing	<1	1	2	7

Appendix

Nitrogenous fertilizer manufacturing	<1	210	519	1,347
Phosphatic fertilizer manufacturing	<1	141	299	846
Fertilizer mixing	<1	5	10	31
Pesticide and other agricultural chemical manufacturing	<1	339	1,018	3,199
Medicinal and botanical manufacturing	<1	<1	<1	<1
Pharmaceutical preparation manufacturing	<1	31	111	403
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	<1	<1	<1
Paint and coating manufacturing	<1	44	86	358
Adhesive manufacturing	<1	32	51	192
Soap and other detergent manufacturing	<1	327	1,061	3,791
Polish and other sanitation good manufacturing	<1	3	5	17
Surface active agent manufacturing	<1	52	177	572
Toilet preparation manufacturing	<1	13	42	125
Printing ink manufacturing	<1	1	1	6
Explosives manufacturing	<1	3	3	15
Custom compounding of purchased resins	<1	11	20	95
Photographic film and chemical manufacturing	<1	7	16	77
Other miscellaneous chemical product manufacturing	<1	267	449	1,497
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	59	113	427
Unlaminated plastics profile shape manufacturing	<1	8	21	60
Plastics pipe and pipe fitting manufacturing	<1	27	93	272
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	8	17	46
Polystyrene foam product manufacturing	<1	6	11	37
Urethane and other foam product (except polystyrene) manufacturing	<1	2	4	13
Plastics bottle manufacturing	<1	53	98	411
Other plastics product manufacturing	<1	124	203	642

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	261	439	1,004
Other rubber product manufacturing	<1	292	458	1,211
Pottery, ceramics, and plumbing fixture manufacturing	<1	34	53	97
Brick, tile, and other structural clay product manufacturing	<1	23	45	83
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	216	442	1,038
Glass container manufacturing	<1	35	64	163
Glass product manufacturing made of purchased glass	<1	14	28	85
Cement manufacturing	<1	33	97	250
Ready-mix concrete manufacturing	<1	373	728	2,310
Concrete block and brick manufacturing	<1	49	106	283
Concrete pipe manufacturing	<1	11	22	52
Other concrete product manufacturing	<1	179	281	699
Lime manufacturing	<1	17	47	106
Gypsum product manufacturing	<1	52	175	382
Abrasive product manufacturing	<1	1	5	8
Cut stone and stone product manufacturing	<1	57	72	172
Ground or treated mineral and earth manufacturing	<1	31	103	204
Mineral wool manufacturing	<1	15	43	103
Miscellaneous nonmetallic mineral products manufacturing	<1	8	28	66
Iron and steel mills and ferroalloy manufacturing	<1	98	155	918
Iron, steel pipe and tube manufacturing from purchased steel	<1	168	243	1,159
Rolled steel shape manufacturing	<1	3	5	30
Steel wire drawing	<1	2	3	16
Alumina refining and primary aluminum production	<1	98	136	938
Secondary smelting and alloying of aluminum	<1	7	11	98
Aluminum sheet, plate, and foil manufacturing	<1	3	6	44
Other aluminum rolling, drawing and extruding	<1	11	14	77

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	11	12	52
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	3	4	11
Nonferrous metal foundries	<1	5	7	20
Custom roll forming	<1	4	6	24
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	3	4	13
Nonferrous forging	<1	6	8	25
Cutlery, utensil, pot, and pan manufacturing	<1	<1	2	9
Handtool manufacturing	<1	2	3	8
Prefabricated metal buildings and components manufacturing	<1	26	37	134
Fabricated structural metal manufacturing	<1	261	369	1,308
Plate work manufacturing	<1	108	117	368
Metal window and door manufacturing	<1	23	31	103
Sheet metal work manufacturing	<1	73	93	272
Ornamental and architectural metal work manufacturing	<1	68	86	274
Power boiler and heat exchanger manufacturing	<1	14	19	51
Metal tank (heavy gauge) manufacturing	<1	33	40	125
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	3	3	17
Hardware manufacturing	<1	<1	<1	<1
Spring and wire product manufacturing	<1	21	28	92
Machine shops	<1	412	492	1,024
Turned product and screw, nut, and bolt manufacturing	<1	3	4	13
Metal heat treating	<1	49	68	153
Metal coating and nonprecious engraving	<1	85	139	346
Electroplating, anodizing, and coloring metal	<1	13	15	36
Valve and fittings, other than plumbing, manufacturing	<1	96	142	405

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Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2	4	10
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	<1	2
Fabricated pipe and pipe fitting manufacturing	<1	131	158	417
Other fabricated metal manufacturing	<1	135	172	518
Farm machinery and equipment manufacturing	<1	24	36	107
Lawn and garden equipment manufacturing	<1	10	14	64
Construction machinery manufacturing	<1	14	23	82
Mining machinery and equipment manufacturing	<1	5	6	17
Oil and gas field machinery and equipment manufacturing	<1	95	122	370
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	3
Sawmill, woodworking, and paper machinery	<1	9	10	31
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	2	3	8
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	35	45	158
Air purification and ventilation equipment manufacturing	<1	3	4	10
Heating equipment (except warm air furnaces) manufacturing	<1	2	2	8
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	43	59	249
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	2

Appendix

Cutting tool and machine tool accessory manufacturing	<1	1	1	3
Machine tool manufacturing	<1	<1	1	3
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	2
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	2	8
Mechanical power transmission equipment manufacturing	<1	1	1	6
Other engine equipment manufacturing	<1	6	9	61
Pump and pumping equipment manufacturing	<1	4	5	18
Air and gas compressor manufacturing	<1	4	5	17
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	8
Industrial truck, trailer, and stacker manufacturing	<1	6	8	25
Power-driven handtool manufacturing	<1	<1	<1	3
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	2	2	5
Fluid power pump and motor manufacturing	<1	2	3	12
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	3	9
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	<1	<1	1	5

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	1	5
Audio and video equipment manufacturing	<1	1	2	8
Printed circuit assembly (electronic assembly) manufacturing	<1	2	2	11
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	1
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	2	6
Electronic connector manufacturing	<1	15	19	53
Other electronic component manufacturing	<1	<1	<1	<1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	3	3	9
Industrial process variable instruments manufacturing	<1	16	21	59
Totalizing fluid meter and counting device manufacturing	<1	18	29	79
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	3
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	4	6	18
Lighting fixture manufacturing	<1	4	6	18
Small electrical appliance manufacturing	<1	<1	<1	2

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Household cooking appliance manufacturing	<1	2	3	11
Household refrigerator and home freezer manufacturing	<1	2	3	12
Household laundry equipment manufacturing	<1	4	6	29
Other major household appliance manufacturing	<1	<1	1	5
Power, distribution, and specialty transformer manufacturing	<1	4	5	16
Motor and generator manufacturing	<1	17	25	83
Switchgear and switchboard apparatus manufacturing	<1	21	32	96
Relay and industrial control manufacturing	<1	6	7	22
Storage battery manufacturing	<1	5	6	17
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2	2	7
Other communication and energy wire manufacturing	<1	<1	<1	2
Wiring device manufacturing	<1	1	2	5
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	24	27	365
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	5
Motor vehicle body manufacturing	<1	6	7	36
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	19	20	136
Motor vehicle gasoline engine and engine parts manufacturing	<1	21	23	205
Motor vehicle electrical and electronic equipment manufacturing	<1	6	13	56
Motor vehicle transmission and power train parts manufacturing	<1	9	10	96
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	8
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	32	35	351

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	3	8
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	1	2
Railroad rolling stock manufacturing	<1	<1	1	5
Ship building and repairing	<1	132	177	419
Boat building	<1	314	453	1,506
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	389	978	3,047
All other transportation equipment manufacturing	<1	102	211	817
Wood kitchen cabinet and countertop manufacturing	<1	73	91	273
Upholstered household furniture manufacturing	<1	<1	<1	2
Nonupholstered wood household furniture manufacturing	<1	7	8	29
Other household nonupholstered furniture manufacturing	<1	<1	<1	4
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	1	1	5
Office furniture, except wood, manufacturing	<1	<1	<1	2
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	<1
Mattress manufacturing	<1	1	2	10
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	<1	1	2	5
Surgical appliance and supplies manufacturing	<1	8	14	44
Dental equipment and supplies manufacturing	<1	<1	<1	<1

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Ophthalmic goods manufacturing	<1	1	2	5
Dental laboratories	<1	15	15	32
Jewelry and silverware manufacturing	<1	175	250	683
Sporting and athletic goods manufacturing	<1	8	11	52
Doll, toy, and game manufacturing	<1	2	3	9
Office supplies (except paper) manufacturing	<1	4	5	20
Sign manufacturing	<1	119	99	329
Gasket, packing, and sealing device manufacturing	<1	104	123	335
Musical instrument manufacturing	<1	<1	<1	<1
Fasteners, buttons, needles, and pins manufacturing	<1	2	3	9
Broom, brush, and mop manufacturing	<1	3	4	16
Burial casket manufacturing	<1	2	3	9
All other miscellaneous manufacturing	<1	130	166	532
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	843	1,827	4,365
Wholesale - Professional and commercial equipment and supplies	<1	2,543	3,924	7,133
Wholesale - Household appliances and electrical and electronic goods	<1	1,324	3,001	6,801
Wholesale - Machinery, equipment, and supplies	<1	3,184	5,751	10,125
Wholesale - Other durable goods merchant wholesalers	<1	3,586	5,852	11,541
Wholesale - Drugs and druggists' sundries	<1	2,616	7,061	12,896
Wholesale - Grocery and related product wholesalers	<1	3,444	4,589	9,480
Wholesale - Petroleum and petroleum products	<1	886	7,317	8,869
Wholesale - Other nondurable goods merchant wholesalers	<1	4,203	8,159	15,631
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,885	4,014	4,683
Retail - Motor vehicle and parts dealers	<1	4,010	7,584	10,867
Retail - Furniture and home furnishings stores	<1	1,843	2,744	4,579
Retail - Electronics and appliance stores	<1	2,234	2,680	4,564

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Retail - Building material and garden equipment and supplies stores	<1	2,426	5,166	7,320
Retail - Food and beverage stores	<1	6,940	10,218	16,430
Retail - Health and personal care stores	<1	4,970	6,570	9,806
Retail - Gasoline stores	<1	2,030	4,233	7,752
Retail - Clothing and clothing accessories stores	<1	2,538	5,247	10,813
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,481	2,255	3,877
Retail - General merchandise stores	<1	6,705	11,624	18,340
Retail - Miscellaneous store retailers	<1	2,895	4,134	6,913
Retail - Nonstore retailers	<1	1,043	5,478	14,510
Air transportation	<1	3,057	5,087	9,780
Rail transportation	<1	1,119	2,479	4,455
Water transportation	<1	1,262	1,588	8,085
Truck transportation	<1	5,549	7,213	15,210
Transit and ground passenger transportation	<1	2,371	2,755	4,473
Pipeline transportation	<1	1,865	2,153	2,667
Scenic and sightseeing transportation and support activities for transportation	<1	12,271	13,865	26,063
Couriers and messengers	<1	2,078	3,704	6,045
Warehousing and storage	<1	4,049	5,217	9,352
Newspaper publishers	<1	935	1,622	2,117
Periodical publishers	<1	179	293	544
Book publishers	<1	101	320	521
Directory, mailing list, and other publishers	<1	124	349	538
Greeting card publishing	<1	10	29	45
Software publishers	<1	878	2,070	2,548
Motion picture and video industries	<1	1,899	5,640	10,093
Sound recording industries	<1	21	377	595
Radio and television broadcasting	<1	2,676	3,814	15,441
Cable and other subscription programming	<1	144	1,237	3,732
Wired telecommunications carriers	<1	3,711	9,555	17,996
Wireless telecommunications carriers (except satellite)	<1	669	5,315	15,066

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Satellite, telecommunications resellers, and all other telecommunications	<1	479	850	2,483
Data processing, hosting, and related services	<1	1,964	3,761	13,422
News syndicates, libraries, archives and all other information services	<1	133	203	593
Internet publishing and broadcasting and web search portals	<1	333	776	5,109
Nondepository credit intermediation and related activities	<1	4,042	5,075	10,085
Securities and commodity contracts intermediation and brokerage	<1	4,029	4,272	14,917
Monetary authorities and depository credit intermediation	<1	22,571	56,421	100,024
Other financial investment activities	<1	1,303	1,995	9,675
Direct life insurance carriers	<1	609	1,994	2,942
Insurance carriers, except direct life	<1	4,478	24,751	43,950
Insurance agencies, brokerages, and related activities	<1	5,937	12,133	28,037
Funds, trusts, and other financial vehicles	<1	1,866	2,653	13,500
Other real estate	1	23,839	82,286	254,296
Tenant-occupied housing	<1	1,650	18,943	23,269
Owner-occupied dwellings	0	0	80,702	102,447
Automotive equipment rental and leasing	<1	837	3,375	5,208
General and consumer goods rental except video tapes and discs	<1	1,348	1,965	3,489
Video tape and disc rental	<1	341	628	972
Commercial and industrial machinery and equipment rental and leasing	<1	1,807	6,664	9,111
Lessors of nonfinancial intangible assets	<1	273	5,942	7,018
Legal services	<1	51,950	78,854	115,738
Accounting, tax preparation, bookkeeping, and payroll services	<1	10,046	10,575	17,579
Architectural, engineering, and related services	<1	24,280	24,517	44,414
Specialized design services	<1	337	382	731
Custom computer programming services	<1	1,903	1,996	3,102

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Computer systems design services	<1	2,133	1,889	2,606
Other computer related services, including facilities management	<1	1,913	2,068	4,906
Management consulting services	<1	17,305	17,577	29,918
Environmental and other technical consulting services	<1	7,413	7,537	11,907
Scientific research and development services	9	605,320	820,794	1,802,621
Advertising, public relations, and related services	<1	7,756	8,533	18,277
Photographic services	<1	314	473	1,273
Veterinary services	<1	1,310	1,366	2,386
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	16,745	20,368	43,803
Management of companies and enterprises	<1	38,373	45,345	88,260
Office administrative services	<1	9,681	4,641	12,705
Facilities support services	<1	828	1,250	3,344
Employment services	1	37,850	55,444	87,685
Business support services	<1	4,675	4,043	8,318
Travel arrangement and reservation services	<1	605	790	2,294
Investigation and security services	<1	4,414	4,321	7,299
Services to buildings	<1	5,274	7,241	15,318
Landscape and horticultural services	<1	2,281	2,817	5,591
Other support services	<1	2,031	2,581	5,739
Waste management and remediation services	<1	4,387	7,083	13,587
Elementary and secondary schools	<1	3,281	2,834	3,357
Junior colleges, colleges, universities, and professional schools	<1	10,087	14,113	19,108
Other educational services	<1	1,739	1,960	4,104
Offices of physicians	<1	30,846	31,998	47,878
Offices of dentists	<1	5,169	6,226	9,240
Offices of other health practitioners	<1	5,081	6,949	9,529
Outpatient care centers	<1	4,943	4,526	8,260
Medical and diagnostic laboratories	<1	1,531	2,080	3,317
Home health care services	<1	7,851	7,491	9,907
Other ambulatory health care services	<1	2,032	2,216	3,533

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Hospitals	<1	35,506	40,728	82,191
Nursing and community care facilities	<1	6,095	6,313	11,987
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,152	2,193	3,677
Individual and family services	<1	5,586	4,927	8,008
Child day care services	<1	1,851	2,679	3,867
Community food, housing, and other relief services, including rehabilitation services	<1	1,257	1,260	3,314
Performing arts companies	<1	287	596	931
Commercial Sports Except Racing	<1	3,203	2,944	4,450
Racing and Track Operation	<1	150	449	673
Independent artists, writers, and performers	<1	686	4,441	5,240
Promoters of performing arts and sports and agents for public figures	<1	637	2,263	3,816
Museums, historical sites, zoos, and parks	<1	428	686	1,159
Amusement parks and arcades	<1	69	120	233
Gambling industries (except casino hotels)	<1	1,689	3,782	6,641
Other amusement and recreation industries	<1	744	825	1,854
Fitness and recreational sports centers	<1	649	831	1,805
Bowling centers	<1	142	224	420
Hotels and motels, including casino hotels	<1	1,858	3,875	5,897
Other accommodations	<1	309	428	591
Full-service restaurants	<1	13,432	19,816	36,312
Limited-service restaurants	<1	8,873	14,817	35,202
All other food and drinking places	<1	9,027	13,601	21,201
Automotive repair and maintenance, except car washes	<1	5,764	8,366	12,326
Car washes	<1	2,874	5,265	7,928
Electronic and precision equipment repair and maintenance	<1	1,630	1,903	3,578
Commercial and industrial machinery and equipment repair and maintenance	<1	4,215	3,801	6,383
Personal and household goods repair and maintenance	<1	762	1,608	2,420
Personal care services	<1	2,413	2,414	3,355
Death care services	<1	513	488	693

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Dry-cleaning and laundry services	<1	1,659	1,518	2,020
Other personal services	<1	2,006	2,569	4,001
Religious organizations	<1	6,302	4,714	13,423
Grantmaking, giving, and social advocacy organizations	<1	1,264	4,882	7,375
Business and professional associations	<1	1,337	2,626	4,630
Labor and civic organizations	<1	648	2,196	3,820
Private households	<1	1,267	1,267	1,267
Postal service	<1	3,594	3,595	3,837
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	151	34	600
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	88	108	190
Local government passenger transit	<1	1,125	-911	560
Local government electric utilities	<1	184	498	1,179
Other local government enterprises	<1	5,104	10,304	24,145
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	90,857	150,027	343,220

Maine

NASA

Table 682: Detailed NASA Impacts by Types of Impact, Maine

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>110</i>	<i>6,275,902</i>	<i>9,436,593</i>	<i>19,100,102</i>
Oilseed farming	<1	3	5	37
Grain farming	<1	498	1,378	4,324
Vegetable and melon farming	<1	2,668	5,911	10,744
Fruit farming	<1	2,012	4,846	6,605
Tree nut farming	<1	<1	2	2
Greenhouse, nursery, and floriculture production	<1	895	1,408	2,537
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,558	2,412	4,539
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	189	845	2,992
Dairy cattle and milk production	<1	487	1,365	7,439
Poultry and egg production	<1	322	648	5,417
Animal production, except cattle and poultry and eggs	<1	5,404	22,079	31,135
Forestry, forest products, and timber tract production	<1	341	154	282
Commercial logging	<1	2,519	1,140	3,262
Commercial fishing	<1	4,804	2,773	3,223
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	8,083	6,061	8,940
Oil and gas extraction	<1	475	569	8,968
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	715	1,110	6,774
Sand and gravel mining	<1	263	390	1,995

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	138	177	1,008
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	1	2	31
Other nonmetallic minerals services	<1	<1	<1	9
Electric power generation - Hydroelectric	<1	3,092	14,362	29,334
Electric power generation - Fossil fuel	<1	2,666	14,368	30,889
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	334	1,700	3,111
Electric power generation - Wind	<1	719	9,223	14,915
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,793	12,437	31,372
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	14,905	78,056	173,687
Natural gas distribution	<1	2,275	9,029	18,480
Water, sewage and other systems	<1	831	2,277	3,978
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	33,796	26,764	102,735
Maintenance and repair construction of residential structures	<1	8,368	7,861	26,189
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	19	15	57
Dog and cat food manufacturing	<1	69	188	978
Other animal food manufacturing	<1	524	966	8,591
Flour milling	<1	69	124	1,217
Rice milling	0	0	0	0
Malt manufacturing	<1	15	25	258
Wet corn milling	<1	590	1,498	13,117
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	33	50	356
Chocolate and confectionery manufacturing from cacao beans	<1	23	34	187
Confectionery manufacturing from purchased chocolate	<1	61	83	763
Frozen fruits, juices and vegetables manufacturing	<1	1,111	2,015	10,048
Frozen specialties manufacturing	<1	107	142	674
Canned fruits and vegetables manufacturing	<1	276	516	2,505
Canned specialties	<1	155	348	1,714
Dehydrated food products manufacturing	<1	28	47	205
Cheese manufacturing	<1	6	9	148
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	999	1,495	9,546
Creamery butter manufacturing	<1	97	394	4,124
Ice cream and frozen dessert manufacturing	<1	104	140	782
Frozen cakes and other pastries manufacturing	<1	569	799	1,533

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Poultry processing	<1	1,367	1,665	7,848
Animal, except poultry, slaughtering	<1	238	305	3,592
Meat processed from carcasses	<1	239	254	1,751
Rendering and meat byproduct processing	<1	16	21	105
Seafood product preparation and packaging	<1	981	1,215	7,611
Bread and bakery product, except frozen, manufacturing	<1	1,845	2,500	6,814
Cookie and cracker manufacturing	<1	53	75	556
Dry pasta, mixes, and dough manufacturing	<1	85	174	939
Tortilla manufacturing	<1	10	12	91
Roasted nuts and peanut butter manufacturing	<1	106	117	643
Other snack food manufacturing	<1	96	122	736
Coffee and tea manufacturing	<1	40	70	630
Flavoring syrup and concentrate manufacturing	<1	1	9	43
Mayonnaise, dressing, and sauce manufacturing	<1	9	16	106
Spice and extract manufacturing	<1	6	9	94
All other food manufacturing	<1	411	578	2,856
Bottled and canned soft drinks & water	<1	2,750	4,273	19,030
Manufactured ice	<1	78	38	187
Breweries	<1	1,344	2,919	9,049
Wineries	<1	203	320	1,355
Distilleries	<1	491	2,565	5,911
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	67	80	502
Broadwoven fabric mills	<1	320	348	1,600
Narrow fabric mills and schiffli machine embroidery	<1	27	28	94
Nonwoven fabric mills	<1	204	200	1,152
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	5	20
Fabric coating mills	<1	50	50	240
Carpet and rug mills	<1	720	798	4,871
Curtain and linen mills	<1	14	15	62
Textile bag and canvas mills	<1	129	134	441
Rope, cordage, twine, tire cord and tire fabric mills	<1	273	289	1,119
Other textile product mills	<1	107	113	377
Hosiery and sock mills	<1	1	2	5

Appendix

Other apparel knitting mills	<1	2	3	7
Cut and sew apparel contractors	<1	19	22	57
Mens and boys cut and sew apparel manufacturing	<1	9	11	39
Womens and girls cut and sew apparel manufacturing	<1	5	8	42
Other cut and sew apparel manufacturing	<1	15	22	80
Apparel accessories and other apparel manufacturing	<1	9	13	41
Leather and hide tanning and finishing	<1	4	7	34
Footwear manufacturing	<1	365	421	976
Other leather and allied product manufacturing	<1	28	31	73
Sawmills	<1	2,124	2,942	11,659
Wood preservation	<1	90	193	808
Veneer and plywood manufacturing	<1	197	274	1,043
Engineered wood member and truss manufacturing	<1	165	221	696
Reconstituted wood product manufacturing	<1	281	545	2,243
Wood windows and door manufacturing	<1	1,216	1,533	4,541
Cut stock, resawing lumber, and planing	<1	112	167	526
Other millwork, including flooring	<1	250	349	1,158
Wood container and pallet manufacturing	<1	626	775	2,361
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	190	238	839
All other miscellaneous wood product manufacturing	<1	562	733	2,656
Pulp mills	<1	956	1,314	6,166
Paper mills	<1	6,621	11,494	45,236
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	660	928	4,529
Paper bag and coated and treated paper manufacturing	<1	713	1,113	4,238
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	1,151	2,600	9,839
All other converted paper product manufacturing	<1	331	445	1,581

Appendix

Printing	<1	8,562	12,625	28,226
Support activities for printing	<1	149	208	405
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	520	1,274	3,465
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	159	598	7,011
Industrial gas manufacturing	<1	331	435	2,294
Synthetic dye and pigment manufacturing	<1	21	26	167
Other basic inorganic chemical manufacturing	<1	13	20	189
Other basic organic chemical manufacturing	<1	84	126	1,611
Plastics material and resin manufacturing	<1	82	108	1,068
Synthetic rubber manufacturing	<1	20	25	172
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	94	149	1,276
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	49	64	392
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	284	284	874
Pharmaceutical preparation manufacturing	<1	1,058	1,678	6,344
In-vitro diagnostic substance manufacturing	<1	297	322	1,028
Biological product (except diagnostic) manufacturing	<1	72	91	387
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	237	359	1,824
Polish and other sanitation good manufacturing	<1	14	16	80
Surface active agent manufacturing	<1	68	107	536
Toilet preparation manufacturing	<1	34	54	381
Printing ink manufacturing	<1	18	20	107

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	11	14	109
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	181	361	1,040
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	44	163	524
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	267	627	1,922
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	182	360	1,340
Plastics bottle manufacturing	<1	56	108	415
Other plastics product manufacturing	<1	2,246	3,850	11,215
Tire manufacturing	<1	160	296	1,615
Rubber and plastics hoses and belting manufacturing	<1	19	34	88
Other rubber product manufacturing	<1	31	50	153
Pottery, ceramics, and plumbing fixture manufacturing	<1	45	65	213
Brick, tile, and other structural clay product manufacturing	<1	79	136	480
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	349	576	1,565
Cement manufacturing	<1	293	667	2,157
Ready-mix concrete manufacturing	<1	1,015	1,690	6,760
Concrete block and brick manufacturing	<1	379	665	1,936
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	630	871	2,449
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	184	459	1,420

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	513	608	1,424
Ground or treated mineral and earth manufacturing	<1	87	218	640
Mineral wool manufacturing	<1	48	107	328
Miscellaneous nonmetallic mineral products manufacturing	<1	41	106	295
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	197	236	933
Secondary processing of other nonferrous metals	<1	31	48	312
Ferrous metal foundries	<1	46	61	233
Nonferrous metal foundries	<1	17	23	82
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	26	38	104
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	24	85	172
Handtool manufacturing	<1	105	211	490
Prefabricated metal buildings and components manufacturing	<1	221	372	999
Fabricated structural metal manufacturing	<1	915	1,624	4,788
Plate work manufacturing	<1	247	294	859
Metal window and door manufacturing	<1	185	291	695
Sheet metal work manufacturing	<1	222	340	863

Appendix

Ornamental and architectural metal work manufacturing	<1	87	131	357
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	16	23	68
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	24	46	157
Spring and wire product manufacturing	<1	329	545	2,081
Machine shops	<1	2,031	2,769	5,420
Turned product and screw, nut, and bolt manufacturing	<1	294	515	1,331
Metal heat treating	<1	30	52	118
Metal coating and nonprecious engraving	<1	148	322	709
Electroplating, anodizing, and coloring metal	<1	90	111	244
Valve and fittings, other than plumbing, manufacturing	<1	12	23	58
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	182	498	944
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	197	471	973
Fabricated pipe and pipe fitting manufacturing	<1	58	82	216
Other fabricated metal manufacturing	<1	206	319	896
Farm machinery and equipment manufacturing	<1	19	32	129
Lawn and garden equipment manufacturing	<1	118	208	1,117
Construction machinery manufacturing	<1	70	151	510
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1

Appendix

Sawmill, woodworking, and paper machinery	<1	34	38	109
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	2	3	9
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	4	7	24
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	97	144	485
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	37	66	227
Industrial mold manufacturing	<1	3	3	6
Special tool, die, jig, and fixture manufacturing	<1	26	33	69
Cutting tool and machine tool accessory manufacturing	<1	94	107	288
Machine tool manufacturing	<1	1	1	4
Rolling mill and other metalworking machinery manufacturing	<1	39	47	118
Turbine and turbine generator set units manufacturing	<1	16	20	84
Speed changer, industrial high-speed drive, and gear manufacturing	<1	13	19	67
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	3	5	15
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	15	17	58
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	4	7	24

Appendix

Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	1	3
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	3	4	10
Fluid power cylinder and actuator manufacturing	<1	11	15	45
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	3	11
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	7	16	39
Other communications equipment manufacturing	<1	3	7	23
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	32	87	268
Bare printed circuit board manufacturing	<1	6	10	23
Semiconductor and related device manufacturing	<1	82	202	518
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	19	36	93
Electronic connector manufacturing	<1	157	328	712
Other electronic component manufacturing	<1	12	21	55
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	5
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0

Appendix

Industrial process variable instruments manufacturing	<1	9	20	47
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	2	4	8
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	2	5
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	1	3
Electric lamp bulb and part manufacturing	<1	3	3	15
Lighting fixture manufacturing	<1	2	2	8
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	2	2	17
Household refrigerator and home freezer manufacturing	<1	2	3	18
Household laundry equipment manufacturing	<1	5	6	46
Other major household appliance manufacturing	<1	1	1	9
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	19	21	88
Switchgear and switchboard apparatus manufacturing	<1	26	29	106
Relay and industrial control manufacturing	<1	30	32	109
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	7	8	40
Wiring device manufacturing	<1	24	27	108
Carbon and graphite product manufacturing	<1	51	58	260
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	<1	774	723	9,853

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	56	56	280
Truck trailer manufacturing	<1	4	4	25
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	730	738	3,275
Motor vehicle gasoline engine and engine parts manufacturing	<1	23	22	169
Motor vehicle electrical and electronic equipment manufacturing	<1	538	522	3,313
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	873	814	5,638
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	781	799	4,961
Aircraft manufacturing	<1	<1	<1	5
Aircraft engine and engine parts manufacturing	<1	818	1,710	4,211
Other aircraft parts and auxiliary equipment manufacturing	4	337,745	466,762	1,262,883
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	12	18	41
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	550	656	1,665
Boat building	<1	1,692	2,271	8,878
Motorcycle, bicycle, and parts manufacturing	<1	24	67	227
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	41	75	383
Wood kitchen cabinet and countertop manufacturing	<1	162	229	555
Upholstered household furniture manufacturing	<1	115	134	435

Appendix

Nonupholstered wood household furniture manufacturing	<1	102	126	359
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	19	21	63
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	53	51	163
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	56	84	270
Mattress manufacturing	<1	6	11	40
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	22	34	109
Surgical appliance and supplies manufacturing	<1	268	426	1,467
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	2	4
Dental laboratories	<1	26	27	53
Jewelry and silverware manufacturing	<1	69	102	322
Sporting and athletic goods manufacturing	<1	21	27	106
Doll, toy, and game manufacturing	<1	34	47	279
Office supplies (except paper) manufacturing	<1	11	15	91
Sign manufacturing	<1	608	535	1,539
Gasket, packing, and sealing device manufacturing	<1	38	44	124
Musical instrument manufacturing	<1	108	113	332
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	128	160	554
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	232	289	1,025
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,706	9,890	25,631
Wholesale - Professional and commercial equipment and supplies	<1	17,750	26,533	47,357

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	5,309	11,477	26,532
Wholesale - Machinery, equipment, and supplies	<1	13,032	23,000	42,784
Wholesale - Other durable goods merchant wholesalers	<1	13,652	22,185	45,625
Wholesale - Drugs and druggists' sundries	<1	14,461	35,939	78,083
Wholesale - Grocery and related product wholesalers	<1	17,506	22,844	48,745
Wholesale - Petroleum and petroleum products	<1	2,725	42,939	49,358
Wholesale - Other nondurable goods merchant wholesalers	<1	21,509	43,847	86,164
Wholesale - Wholesale electronic markets and agents and brokers	<1	11,047	11,421	13,462
Retail - Motor vehicle and parts dealers	<1	19,474	29,620	44,922
Retail - Furniture and home furnishings stores	<1	7,562	10,064	17,129
Retail - Electronics and appliance stores	<1	9,094	8,277	15,150
Retail - Building material and garden equipment and supplies stores	<1	13,573	23,083	35,062
Retail - Food and beverage stores	1	33,800	44,013	74,124
Retail - Health and personal care stores	<1	16,632	20,223	30,962
Retail - Gasoline stores	<1	9,005	15,663	31,765
Retail - Clothing and clothing accessories stores	<1	9,915	14,888	31,241
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,238	10,848	18,428
Retail - General merchandise stores	<1	25,181	36,577	61,859
Retail - Miscellaneous store retailers	<1	14,917	18,101	32,305
Retail - Nonstore retailers	<1	25,100	73,602	135,156
Air transportation	<1	4,228	11,881	19,622
Rail transportation	<1	4,299	5,358	13,666
Water transportation	<1	1,485	2,074	25,050
Truck transportation	<1	34,408	42,736	82,221
Transit and ground passenger transportation	<1	10,017	15,980	20,671
Pipeline transportation	<1	2,766	7,291	8,684
Scenic and sightseeing transportation and support activities for transportation	<1	23,630	27,218	70,481

Appendix

Couriers and messengers	<1	12,929	17,079	27,221
Warehousing and storage	<1	18,320	20,166	39,287
Newspaper publishers	<1	7,242	14,422	18,713
Periodical publishers	<1	3,289	6,014	10,514
Book publishers	<1	1,494	5,822	10,277
Directory, mailing list, and other publishers	<1	545	1,904	2,771
Greeting card publishing	<1	279	950	1,302
Software publishers	<1	5,388	14,822	17,292
Motion picture and video industries	<1	3,773	6,150	23,166
Sound recording industries	<1	380	1,925	4,922
Radio and television broadcasting	<1	14,135	17,713	65,033
Cable and other subscription programming	<1	293	1,896	6,674
Wired telecommunications carriers	<1	17,611	38,296	75,808
Wireless telecommunications carriers (except satellite)	<1	1,343	9,167	22,845
Satellite, telecommunications resellers, and all other telecommunications	<1	1,077	1,505	4,746
Data processing, hosting, and related services	<1	9,869	18,576	57,731
News syndicates, libraries, archives and all other information services	<1	2,135	3,628	12,167
Internet publishing and broadcasting and web search portals	<1	4,187	9,191	34,173
Nondepository credit intermediation and related activities	<1	33,463	40,426	66,148
Securities and commodity contracts intermediation and brokerage	<1	24,210	23,541	48,667
Monetary authorities and depository credit intermediation	1	100,738	214,019	421,480
Other financial investment activities	<1	20,943	29,556	80,069
Direct life insurance carriers	<1	17,447	37,666	52,215
Insurance carriers, except direct life	<1	29,374	111,430	207,936
Insurance agencies, brokerages, and related activities	<1	34,426	59,873	128,405
Funds, trusts, and other financial vehicles	<1	5,071	6,401	35,321
Other real estate	7	106,599	459,379	1,233,438
Tenant-occupied housing	<1	5,433	108,400	123,369

Appendix

Owner-occupied dwellings	0	0	358,324	454,876
Automotive equipment rental and leasing	<1	3,958	20,307	28,325
General and consumer goods rental except video tapes and discs	<1	4,986	7,852	15,142
Video tape and disc rental	<1	1,472	2,508	4,178
Commercial and industrial machinery and equipment rental and leasing	<1	4,575	17,581	25,093
Lessors of nonfinancial intangible assets	<1	344	1,261	5,216
Legal services	2	153,809	224,050	343,182
Accounting, tax preparation, bookkeeping, and payroll services	<1	43,212	61,378	91,913
Architectural, engineering, and related services	1	91,897	103,716	186,784
Specialized design services	<1	2,737	4,806	7,530
Custom computer programming services	<1	16,661	18,235	26,501
Computer systems design services	<1	35,309	34,084	45,055
Other computer related services, including facilities management	<1	6,369	10,684	20,506
Management consulting services	1	97,941	102,429	169,458
Environmental and other technical consulting services	<1	24,439	25,849	39,792
Scientific research and development services	35	2,407,508	3,029,919	6,778,414
Advertising, public relations, and related services	<1	24,383	37,108	74,336
Photographic services	<1	981	2,672	4,751
Veterinary services	<1	6,074	7,941	12,068
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	15,909	32,768	59,378
Management of companies and enterprises	3	291,724	340,543	595,932
Office administrative services	<1	38,565	24,371	50,278
Facilities support services	<1	1,564	2,530	7,190
Employment services	3	98,346	156,091	232,982
Business support services	<1	35,013	31,531	56,447
Travel arrangement and reservation services	<1	7,162	9,844	25,828
Investigation and security services	<1	10,133	10,013	14,663
Services to buildings	<1	22,190	32,170	61,149
Landscape and horticultural services	<1	21,962	27,523	50,032

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Other support services	<1	10,739	14,225	27,905
Waste management and remediation services	<1	13,982	24,522	48,125
Elementary and secondary schools	<1	20,375	17,969	21,212
Junior colleges, colleges, universities, and professional schools	7	292,888	423,452	565,641
Other educational services	<1	12,385	14,489	27,581
Offices of physicians	1	116,357	122,770	175,789
Offices of dentists	<1	25,727	32,995	45,702
Offices of other health practitioners	<1	19,179	28,842	39,100
Outpatient care centers	<1	23,403	21,657	40,565
Medical and diagnostic laboratories	<1	7,464	11,164	16,974
Home health care services	<1	23,142	22,274	28,527
Other ambulatory health care services	<1	6,454	7,319	12,733
Hospitals	3	221,368	264,723	498,724
Nursing and community care facilities	<1	30,601	35,103	60,233
Residential mental retardation, mental health, substance abuse and other facilities	<1	14,926	16,330	24,938
Individual and family services	1	49,634	44,819	63,442
Child day care services	<1	11,326	17,959	23,514
Community food, housing, and other relief services, including rehabilitation services	<1	7,322	7,231	15,606
Performing arts companies	<1	5,774	7,763	16,411
Commercial Sports Except Racing	<1	3,523	3,745	6,866
Racing and Track Operation	<1	1,029	1,694	3,205
Independent artists, writers, and performers	<1	9,097	23,142	42,864
Promoters of performing arts and sports and agents for public figures	<1	6,770	11,182	30,922
Museums, historical sites, zoos, and parks	<1	2,120	2,749	4,975
Amusement parks and arcades	<1	778	1,731	2,483
Gambling industries (except casino hotels)	<1	6,473	19,583	28,982
Other amusement and recreation industries	<1	8,412	10,101	18,637
Fitness and recreational sports centers	<1	2,413	3,486	6,368
Bowling centers	<1	894	1,408	2,473

Appendix

Hotels and motels, including casino hotels	<1	3,099	5,974	9,282
Other accommodations	<1	1,187	1,994	2,634
Full-service restaurants	2	64,693	99,884	162,345
Limited-service restaurants	1	31,021	52,910	106,993
All other food and drinking places	1	41,725	64,239	95,440
Automotive repair and maintenance, except car washes	<1	33,447	34,012	54,421
Car washes	<1	14,876	22,922	35,090
Electronic and precision equipment repair and maintenance	<1	11,703	13,276	23,240
Commercial and industrial machinery and equipment repair and maintenance	<1	16,658	12,852	21,828
Personal and household goods repair and maintenance	<1	5,694	9,748	14,558
Personal care services	<1	14,765	12,254	16,683
Death care services	<1	4,107	2,081	3,381
Dry-cleaning and laundry services	<1	9,592	4,438	6,723
Other personal services	<1	9,415	11,366	16,815
Religious organizations	<1	27,108	8,228	43,931
Grantmaking, giving, and social advocacy organizations	<1	11,719	30,857	52,888
Business and professional associations	<1	5,888	9,130	18,377
Labor and civic organizations	<1	7,937	19,086	42,593
Private households	<1	5,507	5,506	5,506
Postal service	<1	21,194	21,196	22,700
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	446	422	1,941
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	8,808	9,586	17,761
Local government passenger transit	<1	3,317	-4,236	2,665
Local government electric utilities	<1	507	1,149	2,545
Other local government enterprises	<1	29,991	51,458	112,861
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	83,890	232,563	532,042

Moon to Mars Campaign

Table 683: Detailed M2M Campaign Impacts by Types of Impact, Maine

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>32</i>	<i>3,103,591</i>	<i>3,957,028</i>	<i>9,960,705</i>
Oilseed farming	<1	<1	<1	2
Grain farming	<1	12	35	102
Vegetable and melon farming	<1	87	197	357
Fruit farming	<1	73	178	244
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	27	43	77
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	41	65	122
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	4	14	49
Dairy cattle and milk production	<1	17	44	227
Poultry and egg production	<1	9	20	148
Animal production, except cattle and poultry and eggs	<1	92	423	602
Forestry, forest products, and timber tract production	<1	9	4	7
Commercial logging	<1	71	32	89
Commercial fishing	<1	159	81	95
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	178	132	196
Oil and gas extraction	<1	9	14	228

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	19	25	156
Sand and gravel mining	<1	8	11	53
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	28	34	193
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	3
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	<1	122	566	1,125
Electric power generation - Fossil fuel	<1	132	673	1,339
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	11	60	108
Electric power generation - Wind	<1	26	327	517
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	62	460	1,078
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	622	3,217	6,815
Natural gas distribution	<1	62	255	498
Water, sewage and other systems	<1	25	68	112
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	847	677	2,545
Maintenance and repair construction of residential structures	<1	292	276	904
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	2	5	28
Other animal food manufacturing	<1	13	25	212
Flour milling	<1	2	4	34
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	6
Wet corn milling	<1	17	45	386
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	13
Chocolate and confectionery manufacturing from cacao beans	<1	1	2	9
Confectionery manufacturing from purchased chocolate	<1	2	3	24
Frozen fruits, juices and vegetables manufacturing	<1	41	76	347
Frozen specialties manufacturing	<1	4	5	22
Canned fruits and vegetables manufacturing	<1	12	22	103

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Canned specialties	<1	5	12	57
Dehydrated food products manufacturing	<1	1	2	8
Cheese manufacturing	<1	<1	<1	5
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	32	49	305
Creamery butter manufacturing	<1	3	12	125
Ice cream and frozen dessert manufacturing	<1	3	4	22
Frozen cakes and other pastries manufacturing	<1	19	27	50
Poultry processing	<1	39	49	223
Animal, except poultry, slaughtering	<1	6	8	89
Meat processed from carcasses	<1	8	9	58
Rendering and meat byproduct processing	<1	<1	<1	4
Seafood product preparation and packaging	<1	24	31	189
Bread and bakery product, except frozen, manufacturing	<1	60	81	219
Cookie and cracker manufacturing	<1	2	3	21
Dry pasta, mixes, and dough manufacturing	<1	3	6	32
Tortilla manufacturing	<1	<1	<1	3
Roasted nuts and peanut butter manufacturing	<1	4	4	23
Other snack food manufacturing	<1	3	4	25
Coffee and tea manufacturing	<1	1	2	18
Flavoring syrup and concentrate manufacturing	<1	<1	<1	1
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	4
Spice and extract manufacturing	<1	<1	<1	4
All other food manufacturing	<1	15	22	105
Bottled and canned soft drinks & water	<1	88	141	609
Manufactured ice	<1	3	1	6
Breweries	<1	39	89	268
Wineries	<1	9	14	57
Distilleries	<1	16	86	189
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	2	14
Broadwoven fabric mills	<1	10	13	54
Narrow fabric mills and schiffli machine embroidery	<1	1	1	4

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Nonwoven fabric mills	<1	9	9	48
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	<1	2	2	11
Carpet and rug mills	<1	25	32	164
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	4	4	14
Rope, cordage, twine, tire cord and tire fabric mills	<1	5	6	21
Other textile product mills	<1	4	4	14
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	2
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	2
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	<1	<1	1
Footwear manufacturing	<1	13	15	34
Other leather and allied product manufacturing	<1	1	1	3
Sawmills	<1	53	74	294
Wood preservation	<1	2	5	19
Veneer and plywood manufacturing	<1	6	8	30
Engineered wood member and truss manufacturing	<1	5	7	22
Reconstituted wood product manufacturing	<1	8	16	64
Wood windows and door manufacturing	<1	23	30	87
Cut stock, resawing lumber, and planing	<1	3	4	13
Other millwork, including flooring	<1	6	8	26
Wood container and pallet manufacturing	<1	21	26	78
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	5	6	21
All other miscellaneous wood product manufacturing	<1	19	26	86
Pulp mills	<1	19	26	126

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Paper mills	<1	168	272	1,141
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	50	69	333
Paper bag and coated and treated paper manufacturing	<1	47	68	267
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	39	81	324
All other converted paper product manufacturing	<1	9	12	45
Printing	<1	273	410	872
Support activities for printing	<1	6	8	15
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	14	35	94
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	5	21	234
Industrial gas manufacturing	<1	67	87	460
Synthetic dye and pigment manufacturing	<1	4	5	32
Other basic inorganic chemical manufacturing	<1	<1	<1	5
Other basic organic chemical manufacturing	<1	3	4	59
Plastics material and resin manufacturing	<1	15	20	199
Synthetic rubber manufacturing	<1	<1	<1	7
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	6	10	78
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1	2	11
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	12	12	35
Pharmaceutical preparation manufacturing	<1	47	78	280
In-vitro diagnostic substance manufacturing	<1	19	21	68

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Biological product (except diagnostic) manufacturing	<1	3	5	19
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	8	13	57
Polish and other sanitation good manufacturing	<1	<1	<1	3
Surface active agent manufacturing	<1	2	3	14
Toilet preparation manufacturing	<1	1	2	16
Printing ink manufacturing	<1	1	1	6
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	<1	<1	3
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	23	45	128
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	2	6	21
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	38	88	271
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	6	12	45
Plastics bottle manufacturing	<1	2	5	17
Other plastics product manufacturing	<1	305	523	1,473
Tire manufacturing	<1	4	8	43
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	2
Other rubber product manufacturing	<1	<1	1	4
Pottery, ceramics, and plumbing fixture manufacturing	<1	1	2	7
Brick, tile, and other structural clay product manufacturing	<1	2	3	11
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	8	13	35
Cement manufacturing	<1	7	15	50
Ready-mix concrete manufacturing	<1	23	38	154
Concrete block and brick manufacturing	<1	10	18	53
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	16	21	61
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	5	13	40
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	13	15	36
Ground or treated mineral and earth manufacturing	<1	2	6	16
Mineral wool manufacturing	<1	1	3	9
Miscellaneous nonmetallic mineral products manufacturing	<1	1	3	8
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	16	18	75
Secondary processing of other nonferrous metals	<1	4	5	37
Ferrous metal foundries	<1	35	46	181
Nonferrous metal foundries	<1	7	9	34
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	5	6	18
Iron and steel forging	0	0	0	0

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	2	8	16
Handtool manufacturing	<1	12	23	53
Prefabricated metal buildings and components manufacturing	<1	8	13	38
Fabricated structural metal manufacturing	<1	293	505	1,503
Plate work manufacturing	<1	17	20	59
Metal window and door manufacturing	<1	7	11	26
Sheet metal work manufacturing	<1	6	10	25
Ornamental and architectural metal work manufacturing	<1	4	6	15
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	4	6	17
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	6	12	40
Spring and wire product manufacturing	<1	386	596	2,339
Machine shops	<1	260	353	687
Turned product and screw, nut, and bolt manufacturing	<1	293	502	1,277
Metal heat treating	<1	7	11	26
Metal coating and nonprecious engraving	<1	70	150	334
Electroplating, anodizing, and coloring metal	<1	16	19	42
Valve and fittings, other than plumbing, manufacturing	<1	5	10	24
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	8	22	39
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	17	39	77
Fabricated pipe and pipe fitting manufacturing	<1	30	42	112
Other fabricated metal manufacturing	<1	10	16	45
Farm machinery and equipment manufacturing	<1	<1	<1	2

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Lawn and garden equipment manufacturing	<1	4	7	35
Construction machinery manufacturing	<1	1	3	10
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	2
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	3
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	1
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	2	4	11
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1	2	8
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	<1	8	11	22
Cutting tool and machine tool accessory manufacturing	<1	26	30	79
Machine tool manufacturing	<1	<1	<1	1
Rolling mill and other metalworking machinery manufacturing	<1	4	5	12
Turbine and turbine generator set units manufacturing	<1	1	2	6
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	1	4
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	3
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	1
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	5	7	20
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	2
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	3	7	15
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	4	11	32
Bare printed circuit board manufacturing	<1	<1	1	3
Semiconductor and related device manufacturing	<1	21	52	125

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	2	5
Electronic connector manufacturing	<1	18	38	84
Other electronic component manufacturing	<1	<1	1	3
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	3	6	13
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	<1	<1	<1
Lighting fixture manufacturing	<1	<1	<1	<1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	<1	<1	<1
Household refrigerator and home freezer manufacturing	<1	<1	<1	<1
Household laundry equipment manufacturing	<1	<1	<1	2
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	<1	<1	3
Switchgear and switchboard apparatus manufacturing	<1	3	3	11

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Relay and industrial control manufacturing	<1	5	6	19
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	4	4	22
Wiring device manufacturing	<1	3	3	11
Carbon and graphite product manufacturing	<1	26	30	133
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	24	22	294
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	2	9
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	20	20	90
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	6
Motor vehicle electrical and electronic equipment manufacturing	<1	14	13	79
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	49	43	319
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	29	29	178
Aircraft manufacturing	<1	<1	<1	3
Aircraft engine and engine parts manufacturing	<1	6,568	10,420	31,197
Other aircraft parts and auxiliary equipment manufacturing	30	2,939,021	3,704,256	9,469,201
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	80	103	253

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	20	24	62
Boat building	<1	49	66	259
Motorcycle, bicycle, and parts manufacturing	<1	1	3	10
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	3	15
Wood kitchen cabinet and countertop manufacturing	<1	4	6	14
Upholstered household furniture manufacturing	<1	5	6	20
Nonupholstered wood household furniture manufacturing	<1	4	4	13
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	1	1	4
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	2	3	9
Mattress manufacturing	<1	<1	<1	2
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	<1	1	4
Surgical appliance and supplies manufacturing	<1	15	24	78
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	1	1	2
Jewelry and silverware manufacturing	<1	2	3	11
Sporting and athletic goods manufacturing	<1	<1	<1	4
Doll, toy, and game manufacturing	<1	1	2	9
Office supplies (except paper) manufacturing	<1	<1	<1	3
Sign manufacturing	<1	14	13	36
Gasket, packing, and sealing device manufacturing	<1	2	2	6

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Musical instrument manufacturing	<1	6	6	18
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	5	8	23
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	11	13	46
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	188	400	1,033
Wholesale - Professional and commercial equipment and supplies	<1	691	1,033	1,830
Wholesale - Household appliances and electrical and electronic goods	<1	352	753	1,725
Wholesale - Machinery, equipment, and supplies	<1	2,375	4,145	7,691
Wholesale - Other durable goods merchant wholesalers	<1	1,268	2,052	4,194
Wholesale - Drugs and druggists' sundries	<1	506	1,259	2,685
Wholesale - Grocery and related product wholesalers	<1	559	729	1,550
Wholesale - Petroleum and petroleum products	<1	103	1,913	2,157
Wholesale - Other nondurable goods merchant wholesalers	<1	795	1,682	3,226
Wholesale - Wholesale electronic markets and agents and brokers	<1	460	476	560
Retail - Motor vehicle and parts dealers	<1	684	1,040	1,568
Retail - Furniture and home furnishings stores	<1	260	347	585
Retail - Electronics and appliance stores	<1	310	287	515
Retail - Building material and garden equipment and supplies stores	<1	434	740	1,119
Retail - Food and beverage stores	<1	1,234	1,598	2,658
Retail - Health and personal care stores	<1	564	689	1,054
Retail - Gasoline stores	<1	385	647	1,270
Retail - Clothing and clothing accessories stores	<1	352	525	1,080
Retail - Sporting goods, hobby, musical instrument and book stores	<1	279	369	619
Retail - General merchandise stores	<1	834	1,219	2,059

Appendix

Retail - Miscellaneous store retailers	<1	519	629	1,100
Retail - Nonstore retailers	<1	855	2,661	4,819
Air transportation	<1	137	397	645
Rail transportation	<1	235	251	679
Water transportation	<1	52	73	850
Truck transportation	<1	4,571	5,631	10,801
Transit and ground passenger transportation	<1	388	616	769
Pipeline transportation	<1	65	184	224
Scenic and sightseeing transportation and support activities for transportation	<1	673	779	2,037
Couriers and messengers	<1	576	780	1,241
Warehousing and storage	<1	812	896	1,736
Newspaper publishers	<1	206	411	526
Periodical publishers	<1	120	221	368
Book publishers	<1	44	171	298
Directory, mailing list, and other publishers	<1	13	45	66
Greeting card publishing	<1	10	35	46
Software publishers	<1	195	545	633
Motion picture and video industries	<1	149	242	820
Sound recording industries	<1	14	70	171
Radio and television broadcasting	<1	535	638	1,911
Cable and other subscription programming	<1	17	76	225
Wired telecommunications carriers	<1	606	1,277	2,497
Wireless telecommunications carriers (except satellite)	<1	48	333	811
Satellite, telecommunications resellers, and all other telecommunications	<1	36	49	150
Data processing, hosting, and related services	<1	442	823	2,323
News syndicates, libraries, archives and all other information services	<1	73	127	404
Internet publishing and broadcasting and web search portals	<1	129	286	957
Nondepository credit intermediation and related activities	<1	1,260	1,525	2,411
Securities and commodity contracts intermediation and brokerage	<1	970	925	1,747

Appendix

Monetary authorities and depository credit intermediation	<1	2,652	5,653	10,995
Other financial investment activities	<1	876	1,206	2,920
Direct life insurance carriers	<1	545	1,229	1,659
Insurance carriers, except direct life	<1	934	3,739	6,655
Insurance agencies, brokerages, and related activities	<1	1,147	2,057	4,258
Funds, trusts, and other financial vehicles	<1	203	263	1,243
Other real estate	<1	2,533	10,487	26,359
Tenant-occupied housing	<1	200	4,110	4,591
Owner-occupied dwellings	0	0	13,355	16,954
Automotive equipment rental and leasing	<1	178	770	1,029
General and consumer goods rental except video tapes and discs	<1	179	267	492
Video tape and disc rental	<1	51	85	142
Commercial and industrial machinery and equipment rental and leasing	<1	188	655	917
Lessors of nonfinancial intangible assets	<1	11	41	167
Legal services	<1	3,223	4,763	7,193
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,348	1,968	2,870
Architectural, engineering, and related services	<1	2,025	2,318	4,118
Specialized design services	<1	175	323	484
Custom computer programming services	<1	3,173	3,435	4,876
Computer systems design services	<1	2,264	2,192	2,859
Other computer related services, including facilities management	<1	279	463	870
Management consulting services	<1	2,328	2,450	3,951
Environmental and other technical consulting services	<1	648	694	1,056
Scientific research and development services	<1	41,428	51,693	112,718
Advertising, public relations, and related services	<1	714	1,109	2,130
Photographic services	<1	28	83	140
Veterinary services	<1	201	269	400
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	336	714	1,260

Appendix

Management of companies and enterprises	<1	9,866	11,586	19,916
Office administrative services	<1	1,257	847	1,616
Facilities support services	<1	83	134	351
Employment services	<1	2,743	4,433	6,362
Business support services	<1	1,455	1,334	2,292
Travel arrangement and reservation services	<1	188	260	677
Investigation and security services	<1	546	543	768
Services to buildings	<1	641	944	1,723
Landscape and horticultural services	<1	595	752	1,334
Other support services	<1	627	838	1,597
Waste management and remediation services	<1	442	775	1,505
Elementary and secondary schools	<1	858	758	884
Junior colleges, colleges, universities, and professional schools	<1	1,425	2,055	2,636
Other educational services	<1	461	543	1,002
Offices of physicians	<1	4,045	4,288	6,138
Offices of dentists	<1	906	1,180	1,618
Offices of other health practitioners	<1	659	1,014	1,362
Outpatient care centers	<1	836	779	1,473
Medical and diagnostic laboratories	<1	268	409	613
Home health care services	<1	812	785	1,012
Other ambulatory health care services	<1	229	262	452
Hospitals	<1	8,686	10,313	19,329
Nursing and community care facilities	<1	1,119	1,284	2,162
Residential mental retardation, mental health, substance abuse and other facilities	<1	598	656	986
Individual and family services	<1	1,835	1,673	2,344
Child day care services	<1	417	671	864
Community food, housing, and other relief services, including rehabilitation services	<1	291	289	610
Performing arts companies	<1	225	298	589
Commercial Sports Except Racing	<1	117	120	219
Racing and Track Operation	<1	42	69	118
Independent artists, writers, and performers	<1	326	772	1,401

Appendix

Promoters of performing arts and sports and agents for public figures	<1	241	389	1,019
Museums, historical sites, zoos, and parks	<1	75	97	173
Amusement parks and arcades	<1	31	61	88
Gambling industries (except casino hotels)	<1	241	711	1,039
Other amusement and recreation industries	<1	285	329	601
Fitness and recreational sports centers	<1	89	123	222
Bowling centers	<1	31	47	82
Hotels and motels, including casino hotels	<1	117	222	341
Other accommodations	<1	51	85	112
Full-service restaurants	<1	2,076	3,239	5,172
Limited-service restaurants	<1	1,081	1,857	3,658
All other food and drinking places	<1	1,321	2,035	2,962
Automotive repair and maintenance, except car washes	<1	1,343	1,312	2,098
Car washes	<1	530	813	1,237
Electronic and precision equipment repair and maintenance	<1	320	366	628
Commercial and industrial machinery and equipment repair and maintenance	<1	560	425	711
Personal and household goods repair and maintenance	<1	180	301	449
Personal care services	<1	549	440	601
Death care services	<1	168	74	124
Dry-cleaning and laundry services	<1	312	126	197
Other personal services	<1	312	373	549
Religious organizations	<1	1,022	269	1,591
Grantmaking, giving, and social advocacy organizations	<1	512	1,258	2,168
Business and professional associations	<1	199	294	585
Labor and civic organizations	<1	319	723	1,641
Private households	<1	208	208	208
Postal service	<1	768	769	822
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	16	18	72
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	148	160	279
Local government passenger transit	<1	107	-143	69
Local government electric utilities	<1	18	39	86
Other local government enterprises	<1	834	1,359	2,976
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 684: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maine

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>39</i>	<i>2,117,336</i>	<i>3,176,299</i>	<i>6,523,724</i>
Oilseed farming	<1	1	1	10
Grain farming	<1	178	421	1,544
Vegetable and melon farming	<1	878	1,969	3,615
Fruit farming	<1	616	1,521	2,086
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	312	500	923
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	647	998	1,943
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	95	440	1,519

Appendix

Dairy cattle and milk production	<1	133	397	2,232
Poultry and egg production	<1	138	267	2,430
Animal production, except cattle and poultry and eggs	<1	2,898	10,055	13,634
Forestry, forest products, and timber tract production	<1	123	56	105
Commercial logging	<1	945	428	1,274
Commercial fishing	<1	1,436	1,203	1,360
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	3,493	2,645	3,891
Oil and gas extraction	<1	183	216	3,465
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	261	485	2,834
Sand and gravel mining	<1	102	161	819
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	37	52	298
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	<1	<1	17
Other nonmetallic minerals services	<1	<1	<1	4
Electric power generation - Hydroelectric	<1	1,180	5,185	10,438
Electric power generation - Fossil fuel	<1	893	5,012	11,186
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	102	538	1,002
Electric power generation - Wind	<1	372	4,616	7,877
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	570	3,833	10,187
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	5,523	29,741	67,442
Natural gas distribution	<1	629	2,480	5,217
Water, sewage and other systems	<1	259	719	1,295
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,273	9,793	38,258
Maintenance and repair construction of residential structures	<1	2,924	2,747	9,349
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	6	21
Dog and cat food manufacturing	<1	24	64	345
Other animal food manufacturing	<1	217	391	3,613
Flour milling	<1	28	51	493
Rice milling	0	0	0	0
Malt manufacturing	<1	6	11	105
Wet corn milling	<1	209	515	4,629
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	9	14	105
Chocolate and confectionery manufacturing from cacao beans	<1	6	8	47
Confectionery manufacturing from purchased chocolate	<1	21	29	264
Frozen fruits, juices and vegetables manufacturing	<1	343	620	3,277
Frozen specialties manufacturing	<1	34	46	224
Canned fruits and vegetables manufacturing	<1	78	146	715
Canned specialties	<1	55	129	629
Dehydrated food products manufacturing	<1	7	12	54
Cheese manufacturing	<1	2	2	38
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	295	444	2,906
Creamery butter manufacturing	<1	32	138	1,434
Ice cream and frozen dessert manufacturing	<1	29	38	226
Frozen cakes and other pastries manufacturing	<1	182	256	499
Poultry processing	<1	664	793	3,813
Animal, except poultry, slaughtering	<1	84	108	1,279
Meat processed from carcasses	<1	83	88	621
Rendering and meat byproduct processing	<1	6	8	39
Seafood product preparation and packaging	<1	314	388	2,591
Bread and bakery product, except frozen, manufacturing	<1	585	798	2,194
Cookie and cracker manufacturing	<1	16	23	181
Dry pasta, mixes, and dough manufacturing	<1	26	53	282
Tortilla manufacturing	<1	3	4	34
Roasted nuts and peanut butter manufacturing	<1	33	36	206
Other snack food manufacturing	<1	34	45	265
Coffee and tea manufacturing	<1	12	21	189
Flavoring syrup and concentrate manufacturing	<1	<1	4	16
Mayonnaise, dressing, and sauce manufacturing	<1	3	5	33
Spice and extract manufacturing	<1	2	3	27
All other food manufacturing	<1	121	171	869

Appendix

Bottled and canned soft drinks & water	<1	1,030	1,606	7,245
Manufactured ice	<1	28	14	71
Breweries	<1	384	823	2,561
Wineries	<1	58	92	401
Distilleries	<1	175	856	2,045
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	24	26	183
Broadwoven fabric mills	<1	131	133	649
Narrow fabric mills and schiffli machine embroidery	<1	9	9	31
Nonwoven fabric mills	<1	68	67	400
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	1	4
Fabric coating mills	<1	13	14	70
Carpet and rug mills	<1	245	252	1,695
Curtain and linen mills	<1	5	5	22
Textile bag and canvas mills	<1	46	47	161
Rope, cordage, twine, tire cord and tire fabric mills	<1	153	157	636
Other textile product mills	<1	38	40	139
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	6	7	19
Mens and boys cut and sew apparel manufacturing	<1	3	3	12
Womens and girls cut and sew apparel manufacturing	<1	1	2	11
Other cut and sew apparel manufacturing	<1	4	5	20
Apparel accessories and other apparel manufacturing	<1	3	4	13
Leather and hide tanning and finishing	<1	1	3	13
Footwear manufacturing	<1	180	201	527
Other leather and allied product manufacturing	<1	9	10	24
Sawmills	<1	872	1,188	4,736
Wood preservation	<1	39	82	335
Veneer and plywood manufacturing	<1	102	142	529
Engineered wood member and truss manufacturing	<1	70	91	292
Reconstituted wood product manufacturing	<1	148	278	1,096
Wood windows and door manufacturing	<1	517	652	1,955

Appendix

Cut stock, resawing lumber, and planing	<1	43	65	205
Other millwork, including flooring	<1	97	134	458
Wood container and pallet manufacturing	<1	242	300	924
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	74	93	317
All other miscellaneous wood product manufacturing	<1	215	281	1,053
Pulp mills	<1	680	969	4,501
Paper mills	<1	2,750	5,324	19,528
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	226	323	1,589
Paper bag and coated and treated paper manufacturing	<1	262	421	1,652
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	525	1,193	4,373
All other converted paper product manufacturing	<1	144	197	682
Printing	<1	2,852	4,053	9,679
Support activities for printing	<1	47	65	129
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	211	515	1,435
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	232	959	11,780
Industrial gas manufacturing	<1	168	219	1,134
Synthetic dye and pigment manufacturing	<1	8	10	58
Other basic inorganic chemical manufacturing	<1	6	9	86
Other basic organic chemical manufacturing	<1	51	76	887
Plastics material and resin manufacturing	<1	39	50	454
Synthetic rubber manufacturing	<1	12	14	93
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	33	51	450
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	19	24	153
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	79	78	248
Pharmaceutical preparation manufacturing	<1	313	483	1,899
In-vitro diagnostic substance manufacturing	<1	75	81	261
Biological product (except diagnostic) manufacturing	<1	20	25	108
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	71	106	594
Polish and other sanitation good manufacturing	<1	4	5	26
Surface active agent manufacturing	<1	24	37	190
Toilet preparation manufacturing	<1	11	17	120
Printing ink manufacturing	<1	6	7	37
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	4	5	40
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	61	124	361
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	18	68	210
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	89	214	637
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	69	138	522
Plastics bottle manufacturing	<1	18	35	140
Other plastics product manufacturing	<1	686	1,180	3,533

Appendix

Tire manufacturing	<1	65	120	667
Rubber and plastics hoses and belting manufacturing	<1	8	13	35
Other rubber product manufacturing	<1	12	20	59
Pottery, ceramics, and plumbing fixture manufacturing	<1	16	23	74
Brick, tile, and other structural clay product manufacturing	<1	31	54	187
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	138	232	621
Cement manufacturing	<1	122	288	913
Ready-mix concrete manufacturing	<1	423	717	2,834
Concrete block and brick manufacturing	<1	144	261	747
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	274	386	1,069
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	68	181	535
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	210	249	584
Ground or treated mineral and earth manufacturing	<1	37	97	277
Mineral wool manufacturing	<1	18	41	123
Miscellaneous nonmetallic mineral products manufacturing	<1	17	47	129
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	60	74	284
Secondary processing of other nonferrous metals	<1	8	16	90
Ferrous metal foundries	<1	7	10	36
Nonferrous metal foundries	<1	3	5	17
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	7	11	30
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	7	23	48
Handtool manufacturing	<1	27	54	128
Prefabricated metal buildings and components manufacturing	<1	86	150	399
Fabricated structural metal manufacturing	<1	272	491	1,464
Plate work manufacturing	<1	104	124	363
Metal window and door manufacturing	<1	74	117	285
Sheet metal work manufacturing	<1	78	121	314
Ornamental and architectural metal work manufacturing	<1	34	51	143
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	5	8	23
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	6	13	44
Spring and wire product manufacturing	<1	35	59	222
Machine shops	<1	552	758	1,515
Turned product and screw, nut, and bolt manufacturing	<1	34	60	159
Metal heat treating	<1	10	17	38
Metal coating and nonprecious engraving	<1	39	86	188
Electroplating, anodizing, and coloring metal	<1	29	36	79
Valve and fittings, other than plumbing, manufacturing	<1	3	6	15

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	74	199	390
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	65	154	337
Fabricated pipe and pipe fitting manufacturing	<1	13	18	48
Other fabricated metal manufacturing	<1	65	102	290
Farm machinery and equipment manufacturing	<1	5	9	35
Lawn and garden equipment manufacturing	<1	37	63	354
Construction machinery manufacturing	<1	37	79	276
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	11	13	37
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	2	2	7
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	2	3	10
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	24	35	123
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	14	24	87
Industrial mold manufacturing	<1	<1	<1	2
Special tool, die, jig, and fixture manufacturing	<1	6	7	15

Appendix

Cutting tool and machine tool accessory manufacturing	<1	22	25	69
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	<1	12	15	38
Turbine and turbine generator set units manufacturing	<1	4	5	24
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5	8	29
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	1	2	5
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	5	6	20
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	2	3	11
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	<1	<1	3
Fluid power cylinder and actuator manufacturing	<1	2	3	8
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	3
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	3	8
Other communications equipment manufacturing	<1	1	3	9
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	8	24	73
Bare printed circuit board manufacturing	<1	2	3	7
Semiconductor and related device manufacturing	<1	21	55	146
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5	9	25
Electronic connector manufacturing	<1	38	83	182
Other electronic component manufacturing	<1	3	5	13
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	2	5	12
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	1	2
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	1
Electric lamp bulb and part manufacturing	<1	<1	<1	5
Lighting fixture manufacturing	<1	<1	<1	2
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	<1	<1	<1	5
Household refrigerator and home freezer manufacturing	<1	<1	<1	6
Household laundry equipment manufacturing	<1	2	2	14
Other major household appliance manufacturing	<1	<1	<1	3
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	9	9	41
Switchgear and switchboard apparatus manufacturing	<1	10	11	41
Relay and industrial control manufacturing	<1	8	9	31
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	2	10
Wiring device manufacturing	<1	6	7	29
Carbon and graphite product manufacturing	<1	10	11	48
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	279	275	3,695
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	24	25	119
Truck trailer manufacturing	<1	2	2	13
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	313	327	1,417
Motor vehicle gasoline engine and engine parts manufacturing	<1	7	8	57
Motor vehicle electrical and electronic equipment manufacturing	<1	221	237	1,561
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	350	366	2,304

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	288	310	1,932
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	6	11	34
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	9
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	4	5	13
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	240	287	731
Boat building	<1	754	998	4,041
Motorcycle, bicycle, and parts manufacturing	<1	7	18	62
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	15	26	138
Wood kitchen cabinet and countertop manufacturing	<1	62	90	220
Upholstered household furniture manufacturing	<1	36	42	136
Nonupholstered wood household furniture manufacturing	<1	35	43	123
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	13	14	43
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	19	18	59
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	19	29	95
Mattress manufacturing	<1	2	4	15
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	7	10	35
Surgical appliance and supplies manufacturing	<1	83	128	460
Dental equipment and supplies manufacturing	<1	<1	<1	<1

Appendix

Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	8	8	17
Jewelry and silverware manufacturing	<1	25	37	118
Sporting and athletic goods manufacturing	<1	7	8	35
Doll, toy, and game manufacturing	<1	10	14	84
Office supplies (except paper) manufacturing	<1	4	5	32
Sign manufacturing	<1	264	224	663
Gasket, packing, and sealing device manufacturing	<1	15	17	50
Musical instrument manufacturing	<1	28	29	87
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	41	48	180
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	96	117	435
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,717	3,680	9,466
Wholesale - Professional and commercial equipment and supplies	<1	6,208	9,324	16,762
Wholesale - Household appliances and electrical and electronic goods	<1	1,825	4,068	9,420
Wholesale - Machinery, equipment, and supplies	<1	4,237	7,622	14,118
Wholesale - Other durable goods merchant wholesalers	<1	4,551	7,465	15,388
Wholesale - Drugs and druggists' sundries	<1	5,110	13,107	28,496
Wholesale - Grocery and related product wholesalers	<1	5,944	7,836	16,797
Wholesale - Petroleum and petroleum products	<1	1,267	16,574	19,289
Wholesale - Other nondurable goods merchant wholesalers	<1	7,415	14,936	29,718
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,065	4,205	4,970
Retail - Motor vehicle and parts dealers	<1	7,321	11,127	16,943
Retail - Furniture and home furnishings stores	<1	2,731	3,634	6,259
Retail - Electronics and appliance stores	<1	3,343	3,018	5,588

Appendix

Retail - Building material and garden equipment and supplies stores	<1	4,912	8,393	12,800
Retail - Food and beverage stores	<1	11,786	15,460	26,382
Retail - Health and personal care stores	<1	6,102	7,421	11,424
Retail - Gasoline stores	<1	3,224	5,803	12,152
Retail - Clothing and clothing accessories stores	<1	3,546	5,386	11,572
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,951	3,901	6,739
Retail - General merchandise stores	<1	9,577	13,868	23,562
Retail - Miscellaneous store retailers	<1	5,187	6,356	11,648
Retail - Nonstore retailers	<1	8,601	25,240	47,395
Air transportation	<1	1,497	4,050	6,833
Rail transportation	<1	1,868	2,405	6,005
Water transportation	<1	551	769	9,484
Truck transportation	<1	12,354	15,601	30,739
Transit and ground passenger transportation	<1	2,962	4,607	6,263
Pipeline transportation	<1	1,345	2,882	3,496
Scenic and sightseeing transportation and support activities for transportation	<1	10,236	11,795	30,469
Couriers and messengers	<1	4,848	6,495	10,493
Warehousing and storage	<1	6,985	7,701	15,211
Newspaper publishers	<1	2,896	5,693	7,439
Periodical publishers	<1	1,101	1,992	3,585
Book publishers	<1	542	2,110	3,771
Directory, mailing list, and other publishers	<1	217	732	1,068
Greeting card publishing	<1	73	244	339
Software publishers	<1	1,847	5,014	5,894
Motion picture and video industries	<1	1,175	1,863	7,791
Sound recording industries	<1	115	539	1,461
Radio and television broadcasting	<1	4,487	5,814	24,962
Cable and other subscription programming	<1	78	558	2,120
Wired telecommunications carriers	<1	6,336	13,863	27,897
Wireless telecommunications carriers (except satellite)	<1	498	3,305	8,456

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	358	518	1,723
Data processing, hosting, and related services	<1	3,292	6,197	21,074
News syndicates, libraries, archives and all other information services	<1	742	1,246	4,380
Internet publishing and broadcasting and web search portals	<1	1,214	2,706	12,910
Nondepository credit intermediation and related activities	<1	12,146	14,393	24,369
Securities and commodity contracts intermediation and brokerage	<1	8,441	8,373	18,920
Monetary authorities and depository credit intermediation	<1	41,141	81,520	167,269
Other financial investment activities	<1	6,392	9,156	27,124
Direct life insurance carriers	<1	6,548	13,959	20,066
Insurance carriers, except direct life	<1	11,034	40,610	79,021
Insurance agencies, brokerages, and related activities	<1	13,026	22,767	49,359
Funds, trusts, and other financial vehicles	<1	1,837	2,298	12,991
Other real estate	2	37,418	160,658	451,013
Tenant-occupied housing	<1	1,898	35,719	41,355
Owner-occupied dwellings	0	0	121,486	154,221
Automotive equipment rental and leasing	<1	1,261	7,304	10,417
General and consumer goods rental except video tapes and discs	<1	1,576	2,605	5,166
Video tape and disc rental	<1	523	905	1,512
Commercial and industrial machinery and equipment rental and leasing	<1	1,587	6,836	9,915
Lessors of nonfinancial intangible assets	<1	139	475	1,962
Legal services	<1	63,037	90,776	140,358
Accounting, tax preparation, bookkeeping, and payroll services	<1	16,323	22,656	34,561
Architectural, engineering, and related services	<1	37,030	41,033	75,057
Specialized design services	<1	892	1,496	2,457
Custom computer programming services	<1	4,881	5,375	8,020

Appendix

Computer systems design services	<1	12,827	12,298	16,465
Other computer related services, including facilities management	<1	2,164	3,615	7,097
Management consulting services	<1	38,897	40,664	68,336
Environmental and other technical consulting services	<1	9,564	10,120	15,752
Scientific research and development services	14	949,395	1,227,646	2,760,699
Advertising, public relations, and related services	<1	9,023	13,490	27,961
Photographic services	<1	369	951	1,779
Veterinary services	<1	2,160	2,765	4,278
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	6,481	13,062	25,044
Management of companies and enterprises	1	108,247	126,408	226,123
Office administrative services	<1	13,823	8,777	18,622
Facilities support services	<1	610	998	2,931
Employment services	1	39,514	62,432	96,081
Business support services	<1	13,831	12,389	23,005
Travel arrangement and reservation services	<1	2,648	3,653	9,763
Investigation and security services	<1	3,782	3,728	5,600
Services to buildings	<1	8,327	12,064	23,603
Landscape and horticultural services	<1	7,361	9,234	17,096
Other support services	<1	3,467	4,603	9,342
Waste management and remediation services	<1	5,128	8,986	17,833
Elementary and secondary schools	<1	6,617	5,896	7,010
Junior colleges, colleges, universities, and professional schools	<1	9,084	13,179	17,903
Other educational services	<1	4,057	4,742	9,127
Offices of physicians	<1	42,403	44,589	64,133
Offices of dentists	<1	9,135	11,583	16,146
Offices of other health practitioners	<1	6,999	10,340	14,066
Outpatient care centers	<1	7,901	7,279	13,713
Medical and diagnostic laboratories	<1	2,659	3,911	6,050
Home health care services	<1	8,579	8,229	10,653
Other ambulatory health care services	<1	2,301	2,592	4,540

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Hospitals	<1	73,454	88,031	167,665
Nursing and community care facilities	<1	10,458	11,987	20,984
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,785	5,231	8,094
Individual and family services	<1	15,635	13,908	19,975
Child day care services	<1	3,881	5,958	8,001
Community food, housing, and other relief services, including rehabilitation services	<1	2,290	2,253	4,966
Performing arts companies	<1	1,819	2,498	5,526
Commercial Sports Except Racing	<1	1,210	1,335	2,481
Racing and Track Operation	<1	340	585	1,168
Independent artists, writers, and performers	<1	2,828	7,855	14,701
Promoters of performing arts and sports and agents for public figures	<1	2,130	3,649	10,485
Museums, historical sites, zoos, and parks	<1	688	898	1,658
Amusement parks and arcades	<1	251	595	867
Gambling industries (except casino hotels)	<1	2,115	6,257	9,525
Other amusement and recreation industries	<1	2,819	3,396	6,494
Fitness and recreational sports centers	<1	772	1,125	2,123
Bowling centers	<1	302	481	869
Hotels and motels, including casino hotels	<1	1,004	1,971	3,102
Other accommodations	<1	356	602	804
Full-service restaurants	<1	23,286	35,520	59,079
Limited-service restaurants	<1	11,065	18,656	38,945
All other food and drinking places	<1	14,758	22,695	34,255
Automotive repair and maintenance, except car washes	<1	11,799	12,447	19,949
Car washes	<1	5,265	8,154	12,563
Electronic and precision equipment repair and maintenance	<1	4,293	4,834	8,674
Commercial and industrial machinery and equipment repair and maintenance	<1	6,055	4,681	8,128
Personal and household goods repair and maintenance	<1	2,017	3,577	5,390
Personal care services	<1	4,942	4,218	5,756
Death care services	<1	1,362	777	1,233

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Dry-cleaning and laundry services	<1	3,238	1,695	2,505
Other personal services	<1	3,329	4,058	6,069
Religious organizations	<1	8,799	3,044	15,021
Grantmaking, giving, and social advocacy organizations	<1	5,955	16,678	28,474
Business and professional associations	<1	2,062	3,296	6,666
Labor and civic organizations	<1	2,492	6,264	13,810
Private households	<1	1,885	1,885	1,885
Postal service	<1	7,861	7,863	8,428
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	184	152	716
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	4,729	5,468	10,465
Local government passenger transit	<1	1,219	-1,233	1,325
Local government electric utilities	<1	172	431	963
Other local government enterprises	<1	10,132	18,658	40,841
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	7,073	19,581	44,796

Maryland

NASA

Table 685: Detailed NASA Impacts by Types of Impact, Maryland

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	36,771	3,146,281,876	4,523,693,974	7,965,394,776
Oilseed farming	4	458,409	1,612,539	2,442,982
Grain farming	35	1,166,820	1,661,750	6,713,317
Vegetable and melon farming	8	183,615	334,385	589,021
Fruit farming	3	60,236	117,146	158,649
Tree nut farming	<1	395	805	1,074
Greenhouse, nursery, and floriculture production	15	392,173	557,484	942,938
Tobacco farming	<1	6,575	7,034	11,216
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	13	85,247	116,382	206,805
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	12	127,300	326,984	1,016,740
Dairy cattle and milk production	3	79,293	166,243	831,385
Poultry and egg production	8	186,413	317,101	2,740,411
Animal production, except cattle and poultry and eggs	36	836,386	2,231,026	3,037,944
Forestry, forest products, and timber tract production	1	93,792	95,007	114,872
Commercial logging	2	110,017	101,729	151,464
Commercial fishing	8	170,131	150,812	421,613
Commercial hunting and trapping	1	71,702	70,017	127,625
Support activities for agriculture and forestry	44	1,259,675	1,058,193	1,437,501
Oil and gas extraction	10	1,153	6,254	3,728,915
Coal mining	2	160,638	429,914	773,669
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	2	119,526	496,644	818,459
Sand and gravel mining	1	80,850	193,947	340,521

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	67,718	150,704	264,623
Drilling oil and gas wells	<1	12	16	155
Support activities for oil and gas operations	<1	168	208	1,570
Metal mining services	<1	122	214	38,042
Other nonmetallic minerals services	<1	568	810	6,799
Electric power generation - Hydroelectric	<1	91,460	234,116	407,979
Electric power generation - Fossil fuel	26	7,695,625	22,371,225	44,710,592
Electric power generation - Nuclear	10	3,300,562	6,176,466	11,114,434
Electric power generation - Solar	<1	130,049	390,291	659,855
Electric power generation - Wind	<1	17,778	127,392	222,155
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	14,409	48,523	111,056
Electric power generation - All other	<1	80,005	57,827	104,382
Electric power transmission and distribution	63	14,379,704	40,788,527	88,062,845
Natural gas distribution	8	1,358,404	3,478,325	7,259,520
Water, sewage and other systems	3	390,826	708,853	1,120,801
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	56	4,248,665	4,725,517	9,395,685
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	113	7,758,611	10,869,935	24,255,663
Maintenance and repair construction of residential structures	71	4,610,104	6,391,908	14,135,307
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5,653	7,965	17,786
Dog and cat food manufacturing	<1	39,122	143,098	537,293
Other animal food manufacturing	2	119,495	256,229	1,731,689
Flour milling	<1	4,287	9,533	50,627
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	19,636	136,942	975,183
Fats and oils refining and blending	<1	39,044	92,214	772,599
Breakfast cereal manufacturing	<1	75,397	228,485	626,242
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	93,167	305,615	1,037,249
Nonchocolate confectionery manufacturing	<1	51,856	90,808	402,948
Chocolate and confectionery manufacturing from cacao beans	<1	55,674	96,234	344,965
Confectionery manufacturing from purchased chocolate	<1	18,495	28,796	157,340
Frozen fruits, juices and vegetables manufacturing	3	121,026	290,384	1,209,906
Frozen specialties manufacturing	3	121,728	189,665	863,956
Canned fruits and vegetables manufacturing	2	115,574	282,424	979,132
Canned specialties	<1	380	1,179	2,479
Dehydrated food products manufacturing	<1	184	389	794
Cheese manufacturing	<1	43,000	69,186	687,669
Dry, condensed, and evaporated dairy product manufacturing	<1	36,519	108,254	590,164
Fluid milk manufacturing	4	232,250	428,347	2,466,626
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	3	229,144	352,730	1,216,947
Frozen cakes and other pastries manufacturing	10	357,223	497,648	891,842

Appendix

Poultry processing	9	432,172	580,782	2,734,395
Animal, except poultry, slaughtering	2	112,557	152,924	1,287,325
Meat processed from carcasses	5	316,000	328,220	2,546,912
Rendering and meat byproduct processing	<1	28,259	34,316	169,583
Seafood product preparation and packaging	1	79,800	112,090	598,971
Bread and bakery product, except frozen, manufacturing	28	1,230,875	1,887,983	4,250,815
Cookie and cracker manufacturing	<1	32,478	53,831	216,178
Dry pasta, mixes, and dough manufacturing	1	72,899	198,985	681,882
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	1	104,778	163,493	579,113
Other snack food manufacturing	3	244,217	626,698	1,897,116
Coffee and tea manufacturing	<1	28,738	63,643	321,600
Flavoring syrup and concentrate manufacturing	<1	29,177	308,084	538,894
Mayonnaise, dressing, and sauce manufacturing	<1	32,103	73,608	271,825
Spice and extract manufacturing	6	462,360	896,098	3,516,923
All other food manufacturing	3	184,456	307,825	1,239,066
Bottled and canned soft drinks & water	9	755,019	1,373,151	5,300,171
Manufactured ice	<1	36,625	27,233	87,205
Breweries	5	198,711	509,065	1,637,134
Wineries	3	97,375	175,089	722,128
Distilleries	2	161,161	753,700	1,562,842
Tobacco product manufacturing	<1	120,936	2,924,581	4,172,147
Fiber, yarn, and thread mills	<1	26,067	48,112	165,194
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	14,975	17,491	51,586
Nonwoven fabric mills	<1	13,020	30,710	91,996
Knit fabric mills	<1	1,739	2,539	6,817
Textile and fabric finishing mills	<1	11,905	17,681	48,043
Fabric coating mills	0	0	0	0
Carpet and rug mills	1	84,627	187,235	518,626
Curtain and linen mills	<1	13,530	19,840	53,919
Textile bag and canvas mills	1	62,323	82,357	204,200
Rope, cordage, twine, tire cord and tire fabric mills	<1	20,026	36,503	76,172
Other textile product mills	<1	43,559	57,744	129,491
Hosiery and sock mills	<1	3,348	6,488	14,988

Appendix

Other apparel knitting mills	<1	3,467	6,443	15,124
Cut and sew apparel contractors	<1	17,016	21,650	58,451
Mens and boys cut and sew apparel manufacturing	2	42,506	73,220	206,477
Womens and girls cut and sew apparel manufacturing	<1	3,559	8,209	32,288
Other cut and sew apparel manufacturing	<1	9,565	20,810	52,272
Apparel accessories and other apparel manufacturing	<1	8,646	18,530	46,058
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	30,401	38,267	100,202
Other leather and allied product manufacturing	<1	1,828	2,119	4,970
Sawmills	1	69,086	118,404	446,590
Wood preservation	<1	13,712	42,749	145,621
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	1	75,695	122,610	351,811
Reconstituted wood product manufacturing	<1	5,739	15,493	53,109
Wood windows and door manufacturing	1	86,724	127,918	329,107
Cut stock, resawing lumber, and planing	<1	13,946	27,353	73,897
Other millwork, including flooring	2	125,881	218,841	544,367
Wood container and pallet manufacturing	2	81,763	118,951	306,362
Manufactured home (mobile home) manufacturing	<1	12	15	33
Prefabricated wood building manufacturing	<1	4,543	6,677	17,418
All other miscellaneous wood product manufacturing	2	187,216	297,933	551,721
Pulp mills	0	0	0	0
Paper mills	2	260,669	431,768	1,596,358
Paperboard mills	<1	29,291	53,328	204,217
Paperboard container manufacturing	7	471,553	643,732	3,495,334
Paper bag and coated and treated paper manufacturing	<1	12,756	19,523	93,987
Stationery product manufacturing	<1	22,810	30,843	133,977
Sanitary paper product manufacturing	<1	17,312	37,696	182,001
All other converted paper product manufacturing	<1	4,843	6,382	23,734

Appendix

Printing	66	4,087,831	5,919,853	11,943,975
Support activities for printing	3	163,698	221,745	371,540
Petroleum refineries	1	154,401	1,150,687	7,828,616
Asphalt paving mixture and block manufacturing	<1	45,760	72,861	370,846
Asphalt shingle and coating materials manufacturing	<1	77,879	289,195	637,985
Petroleum lubricating oil and grease manufacturing	<1	97,391	347,374	787,954
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	3	488,052	1,233,995	3,414,686
Synthetic dye and pigment manufacturing	<1	5,800	14,174	46,833
Other basic inorganic chemical manufacturing	2	302,120	817,751	2,168,177
Other basic organic chemical manufacturing	<1	35,675	89,437	549,431
Plastics material and resin manufacturing	<1	23,848	52,004	431,817
Synthetic rubber manufacturing	<1	10,145	19,095	112,430
Artificial and synthetic fibers and filaments manufacturing	<1	1,360	2,545	19,139
Nitrogenous fertilizer manufacturing	<1	25,554	78,372	256,123
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	15,924	38,233	111,808
Pesticide and other agricultural chemical manufacturing	<1	75,894	282,692	995,372
Medicinal and botanical manufacturing	1	191,476	364,944	767,156
Pharmaceutical preparation manufacturing	7	1,421,044	6,050,043	12,483,901
In-vitro diagnostic substance manufacturing	4	574,284	955,181	2,075,535
Biological product (except diagnostic) manufacturing	4	728,828	1,782,932	3,144,689
Paint and coating manufacturing	2	169,713	407,488	1,588,010
Adhesive manufacturing	1	173,588	327,602	979,270
Soap and other detergent manufacturing	<1	7,835	32,009	109,126
Polish and other sanitation good manufacturing	1	129,787	232,230	683,809
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	2	225,644	919,055	1,983,931
Printing ink manufacturing	<1	4,607	5,260	18,145

Appendix

Explosives manufacturing	<1	1,437	1,741	4,656
Custom compounding of purchased resins	<1	15,759	33,931	113,391
Photographic film and chemical manufacturing	<1	21,816	60,197	185,202
Other miscellaneous chemical product manufacturing	1	72,052	148,819	691,758
Plastics packaging materials and unlaminated film and sheet manufacturing	2	121,366	252,694	789,492
Unlaminated plastics profile shape manufacturing	<1	9,517	28,246	64,957
Plastics pipe and pipe fitting manufacturing	<1	25,558	97,704	231,290
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,587	8,708	20,449
Polystyrene foam product manufacturing	<1	38,947	83,259	238,414
Urethane and other foam product (except polystyrene) manufacturing	1	76,709	155,534	488,683
Plastics bottle manufacturing	1	56,998	113,832	448,380
Other plastics product manufacturing	16	1,543,798	2,694,763	5,874,693
Tire manufacturing	<1	26,479	49,404	186,637
Rubber and plastics hoses and belting manufacturing	<1	3,517	6,335	15,388
Other rubber product manufacturing	<1	67,527	113,062	315,080
Pottery, ceramics, and plumbing fixture manufacturing	<1	43,371	63,842	136,584
Brick, tile, and other structural clay product manufacturing	<1	31,026	55,459	135,818
Flat glass manufacturing	<1	18,562	39,810	84,517
Other pressed and blown glass and glassware manufacturing	<1	30,762	55,979	167,449
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	41,192	72,233	163,719
Cement manufacturing	<1	74,367	185,869	458,646
Ready-mix concrete manufacturing	4	277,657	485,540	1,469,882
Concrete block and brick manufacturing	2	106,812	199,585	477,791
Concrete pipe manufacturing	<1	34,730	60,337	154,962
Other concrete product manufacturing	1	74,520	107,241	277,738
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	2	156,155	428,181	970,051

Appendix

Abrasive product manufacturing	<1	6,576	18,755	32,365
Cut stone and stone product manufacturing	1	79,547	96,000	209,809
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	3,737	9,031	20,378
Miscellaneous nonmetallic mineral products manufacturing	<1	27,637	80,301	162,737
Iron and steel mills and ferroalloy manufacturing	<1	20,998	37,687	364,311
Iron, steel pipe and tube manufacturing from purchased steel	<1	15,908	25,000	124,360
Rolled steel shape manufacturing	<1	17,378	33,993	186,689
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	21,503	31,741	255,975
Secondary smelting and alloying of aluminum	<1	3,557	6,309	67,034
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	1,546	2,164	13,779
Nonferrous metal (exc aluminum) smelting and refining	<1	8,624	32,437	151,063
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	5,880	7,093	33,178
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	3,821	5,507	20,132
Nonferrous metal foundries	<1	5,221	7,333	27,804
Custom roll forming	<1	20,971	35,339	173,009
Crown and closure manufacturing and metal stamping	<1	15,487	19,667	62,506
Iron and steel forging	<1	9,321	14,960	50,816
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	3,596	8,879	17,814
Handtool manufacturing	<1	1,923	3,057	5,795
Prefabricated metal buildings and components manufacturing	<1	24,609	34,758	115,716
Fabricated structural metal manufacturing	1	100,095	147,205	492,955
Plate work manufacturing	<1	25,551	28,496	88,820
Metal window and door manufacturing	<1	53,864	72,524	179,675
Sheet metal work manufacturing	1	105,863	138,966	340,377

Appendix

Ornamental and architectural metal work manufacturing	2	171,128	220,369	554,205
Power boiler and heat exchanger manufacturing	<1	2,104	2,989	7,411
Metal tank (heavy gauge) manufacturing	<1	3,945	5,009	13,577
Metal cans manufacturing	<1	19,574	42,989	208,675
Metal barrels, drums and pails manufacturing	<1	6,436	8,091	32,795
Hardware manufacturing	<1	10,929	16,751	41,248
Spring and wire product manufacturing	2	106,941	145,632	422,419
Machine shops	5	386,465	471,667	947,748
Turned product and screw, nut, and bolt manufacturing	<1	15,479	22,565	62,573
Metal heat treating	<1	2,169	3,122	7,794
Metal coating and nonprecious engraving	<1	36,659	63,113	152,635
Electroplating, anodizing, and coloring metal	<1	36,503	41,948	99,183
Valve and fittings, other than plumbing, manufacturing	<1	87,553	136,415	342,925
Plumbing fixture fitting and trim manufacturing	<1	7,809	20,929	62,740
Ball and roller bearing manufacturing	<1	1,054	1,828	2,720
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	171	203	274
Small arms, ordnance, and accessories manufacturing	<1	46,777	85,373	166,824
Fabricated pipe and pipe fitting manufacturing	<1	7,345	9,126	22,769
Other fabricated metal manufacturing	1	92,432	121,916	341,603
Farm machinery and equipment manufacturing	<1	3,730	6,744	23,400
Lawn and garden equipment manufacturing	<1	32,895	62,180	287,242
Construction machinery manufacturing	<1	3,415	8,171	23,476
Mining machinery and equipment manufacturing	<1	389	651	1,676
Oil and gas field machinery and equipment manufacturing	<1	1,934	3,364	8,848
Semiconductor machinery manufacturing	<1	14,281	17,036	49,521
Food product machinery manufacturing	<1	16	19	69

Appendix

Sawmill, woodworking, and paper machinery	<1	10,830	12,448	43,630
Printing machinery and equipment manufacturing	<1	1,448	1,646	5,406
All other industrial machinery manufacturing	<1	1,159	1,546	4,130
Optical instrument and lens manufacturing	<1	19,984	32,712	62,616
Photographic and photocopying equipment manufacturing	<1	800	1,122	3,962
Other commercial service industry machinery manufacturing	<1	9,419	16,386	47,272
Air purification and ventilation equipment manufacturing	<1	5,181	7,444	19,217
Heating equipment (except warm air furnaces) manufacturing	<1	24,967	39,779	86,830
Air conditioning, refrigeration, and warm air heating equipment manufacturing	2	138,147	265,889	694,370
Industrial mold manufacturing	<1	5,830	6,983	15,829
Special tool, die, jig, and fixture manufacturing	<1	3,573	4,876	9,819
Cutting tool and machine tool accessory manufacturing	<1	407	468	1,028
Machine tool manufacturing	<1	3,074	4,013	11,100
Rolling mill and other metalworking machinery manufacturing	<1	19,763	23,989	48,302
Turbine and turbine generator set units manufacturing	<1	821	1,104	3,685
Speed changer, industrial high-speed drive, and gear manufacturing	<1	8,097	12,776	35,315
Mechanical power transmission equipment manufacturing	<1	968	1,633	3,913
Other engine equipment manufacturing	2	237,246	538,970	2,076,316
Pump and pumping equipment manufacturing	<1	3,589	6,703	17,956
Air and gas compressor manufacturing	<1	1,481	2,947	8,544
Elevator and moving stairway manufacturing	<1	336	504	1,659
Conveyor and conveying equipment manufacturing	<1	4,557	5,205	12,520
Overhead cranes, hoists, and monorail systems manufacturing	<1	25	48	178
Industrial truck, trailer, and stacker manufacturing	<1	351	597	1,910

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Power-driven handtool manufacturing	<1	37,451	103,667	218,539
Welding and soldering equipment manufacturing	<1	1,108	1,663	4,954
Packaging machinery manufacturing	<1	2,576	3,858	9,088
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	8,918	11,290	33,547
Electronic computer manufacturing	1	153,899	327,180	1,122,617
Computer storage device manufacturing	<1	525	1,459	8,556
Computer terminals and other computer peripheral equipment manufacturing	5	570,146	1,030,214	2,862,076
Telephone apparatus manufacturing	<1	9,517	15,440	49,124
Broadcast and wireless communications equipment manufacturing	<1	30,594	47,766	109,102
Other communications equipment manufacturing	<1	49,690	83,541	207,588
Audio and video equipment manufacturing	<1	14,378	24,469	57,407
Printed circuit assembly (electronic assembly) manufacturing	<1	75,577	135,753	455,115
Bare printed circuit board manufacturing	<1	6,450	8,792	25,559
Semiconductor and related device manufacturing	<1	35,661	61,427	187,256
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5,192	7,506	17,227
Electronic connector manufacturing	<1	3,413	5,268	11,893
Other electronic component manufacturing	2	115,135	159,611	462,645
Electromedical and electrotherapeutic apparatus manufacturing	<1	2,685	5,208	10,603
Search, detection, and navigation instruments manufacturing	<1	55,407	96,800	171,390
Automatic environmental control manufacturing	<1	19,694	26,808	54,104

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Industrial process variable instruments manufacturing	<1	5,241	8,579	22,593
Totalizing fluid meter and counting device manufacturing	<1	1,481	3,228	6,626
Electricity and signal testing instruments manufacturing	<1	6,785	10,939	27,949
Analytical laboratory instrument manufacturing	1	158,769	278,459	586,918
Irradiation apparatus manufacturing	<1	206	415	890
Watch, clock, and other measuring and controlling device manufacturing	<1	4,791	9,117	24,460
Blank magnetic and optical recording media manufacturing	2	363,918	1,060,943	2,396,859
Software and other prerecorded and record reproducing	2	336,847	486,139	806,630
Electric lamp bulb and part manufacturing	<1	25,922	35,093	101,691
Lighting fixture manufacturing	<1	31,270	36,939	116,334
Small electrical appliance manufacturing	<1	5,291	7,494	36,410
Household cooking appliance manufacturing	<1	1,222	1,660	7,286
Household refrigerator and home freezer manufacturing	<1	1,323	1,816	7,788
Household laundry equipment manufacturing	<1	3,168	3,969	20,063
Other major household appliance manufacturing	<1	539	757	3,092
Power, distribution, and specialty transformer manufacturing	<1	2,501	3,003	10,816
Motor and generator manufacturing	<1	766	946	2,254
Switchgear and switchboard apparatus manufacturing	<1	38,650	49,558	190,698
Relay and industrial control manufacturing	<1	3,641	4,226	14,180
Storage battery manufacturing	1	117,991	134,882	385,042
Primary battery manufacturing	1	97,595	36,846	279,133
Fiber optic cable manufacturing	<1	58,892	66,403	230,384
Other communication and energy wire manufacturing	<1	11,150	13,240	46,844
Wiring device manufacturing	<1	26,657	33,970	104,742
Carbon and graphite product manufacturing	<1	86,640	109,230	412,651
All other miscellaneous electrical equipment and component manufacturing	<1	43,002	45,095	136,668
Automobile manufacturing	<1	61,907	105,586	764,575

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	779	1,137	10,382
Motor vehicle body manufacturing	<1	2,485	2,739	10,263
Truck trailer manufacturing	<1	43	44	239
Motor home manufacturing	1	83,846	94,171	472,807
Travel trailer and camper manufacturing	<1	7,238	7,655	43,858
Motor vehicle gasoline engine and engine parts manufacturing	<1	12,997	14,805	68,527
Motor vehicle electrical and electronic equipment manufacturing	<1	13,098	20,785	78,714
Motor vehicle transmission and power train parts manufacturing	2	227,313	271,210	1,012,389
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	2	117,779	125,558	738,339
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	2	199,748	239,602	896,837
Aircraft manufacturing	<1	924	3,268	8,896
Aircraft engine and engine parts manufacturing	<1	23,097	79,142	136,240
Other aircraft parts and auxiliary equipment manufacturing	<1	5,555	10,398	20,628
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,298	4,521	8,345
Railroad rolling stock manufacturing	<1	1,739	2,469	9,959
Ship building and repairing	<1	13,578	19,990	46,254
Boat building	<1	37,619	61,473	225,328
Motorcycle, bicycle, and parts manufacturing	<1	2,258	11,897	22,373
Military armored vehicle, tank, and tank component manufacturing	<1	35,300	111,239	265,141
All other transportation equipment manufacturing	<1	2,505	6,529	25,748
Wood kitchen cabinet and countertop manufacturing	2	119,849	180,124	388,036
Upholstered household furniture manufacturing	<1	15,124	17,731	50,542

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Nonupholstered wood household furniture manufacturing	<1	6,840	8,597	19,844
Other household nonupholstered furniture manufacturing	<1	17,946	31,138	82,649
Institutional furniture manufacturing	<1	9,729	11,072	29,855
Wood office furniture manufacturing	<1	644	959	2,347
Custom architectural woodwork and millwork	<1	8,682	8,555	21,258
Office furniture, except wood, manufacturing	<1	9,851	17,776	43,191
Showcase, partition, shelving, and locker manufacturing	<1	19,939	31,405	75,062
Mattress manufacturing	2	125,245	259,419	747,952
Blind and shade manufacturing	<1	60,141	64,818	205,380
Surgical and medical instrument manufacturing	1	75,314	271,194	494,196
Surgical appliance and supplies manufacturing	1	86,583	340,288	551,711
Dental equipment and supplies manufacturing	<1	2,749	8,638	15,136
Ophthalmic goods manufacturing	<1	15,390	61,680	107,320
Dental laboratories	1	54,505	59,181	111,915
Jewelry and silverware manufacturing	2	82,619	168,339	403,959
Sporting and athletic goods manufacturing	<1	13,577	30,180	71,578
Doll, toy, and game manufacturing	<1	38,113	120,303	288,555
Office supplies (except paper) manufacturing	<1	1,272	3,102	11,059
Sign manufacturing	3	193,780	196,584	465,707
Gasket, packing, and sealing device manufacturing	<1	9,377	16,829	36,140
Musical instrument manufacturing	<1	51,859	66,761	149,110
Fasteners, buttons, needles, and pins manufacturing	<1	2,906	5,910	12,041
Broom, brush, and mop manufacturing	<1	93,109	282,268	443,051
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	2	124,228	232,751	501,692
Wholesale - Motor vehicle and motor vehicle parts and supplies	26	1,789,066	4,133,633	9,402,418
Wholesale - Professional and commercial equipment and supplies	80	10,468,757	16,407,728	26,392,287

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Wholesale - Household appliances and electrical and electronic goods	34	3,700,087	8,510,342	16,891,091
Wholesale - Machinery, equipment, and supplies	31	2,701,638	5,323,072	8,928,423
Wholesale - Other durable goods merchant wholesalers	89	7,234,460	12,748,752	23,489,975
Wholesale - Drugs and druggists' sundries	22	3,757,606	10,484,645	18,079,874
Wholesale - Grocery and related product wholesalers	94	6,502,329	8,845,172	17,734,805
Wholesale - Petroleum and petroleum products	7	698,397	14,023,695	15,311,240
Wholesale - Other nondurable goods merchant wholesalers	114	9,478,029	22,625,676	38,260,790
Wholesale - Wholesale electronic markets and agents and brokers	52	6,542,413	6,807,602	7,783,105
Retail - Motor vehicle and parts dealers	128	8,082,007	13,001,289	18,492,001
Retail - Furniture and home furnishings stores	94	4,195,327	5,684,407	9,042,658
Retail - Electronics and appliance stores	82	4,513,040	4,752,190	7,758,456
Retail - Building material and garden equipment and supplies stores	101	4,668,236	8,755,124	12,565,271
Retail - Food and beverage stores	383	15,068,393	20,109,181	31,127,721
Retail - Health and personal care stores	180	8,073,467	10,298,862	15,786,298
Retail - Gasoline stores	78	3,522,020	5,497,096	9,299,805
Retail - Clothing and clothing accessories stores	200	5,337,196	9,055,819	18,393,769
Retail - Sporting goods, hobby, musical instrument and book stores	109	3,271,815	4,411,149	6,948,862
Retail - General merchandise stores	356	10,562,529	16,535,465	26,973,997
Retail - Miscellaneous store retailers	215	6,087,023	7,550,628	11,843,729
Retail - Nonstore retailers	248	4,857,391	19,137,240	39,679,532
Air transportation	53	6,420,284	14,698,680	23,853,666
Rail transportation	16	2,139,559	2,948,274	6,401,123
Water transportation	10	1,054,452	1,591,827	6,844,885
Truck transportation	159	10,184,601	12,603,017	24,821,783
Transit and ground passenger transportation	590	8,993,011	11,438,676	17,664,964
Pipeline transportation	2	351,527	1,066,878	1,238,938
Scenic and sightseeing transportation and support activities for transportation	163	10,733,442	11,657,533	23,934,866

Appendix

Couriers and messengers	173	6,258,273	8,234,106	14,442,409
Warehousing and storage	191	7,562,003	8,666,908	17,081,166
Newspaper publishers	18	1,090,179	2,004,870	2,453,786
Periodical publishers	26	2,996,586	5,051,867	6,831,529
Book publishers	8	656,973	2,253,524	3,477,681
Directory, mailing list, and other publishers	3	284,242	879,785	1,151,591
Greeting card publishing	1	84,635	257,283	323,119
Software publishers	73	9,960,486	24,355,537	26,732,802
Motion picture and video industries	40	2,337,412	3,592,196	9,469,531
Sound recording industries	4	286,148	1,437,675	2,783,007
Radio and television broadcasting	29	26,526,156	27,590,804	31,972,078
Cable and other subscription programming	11	12,980,944	25,766,428	34,244,677
Wired telecommunications carriers	75	9,009,990	20,096,158	36,146,573
Wireless telecommunications carriers (except satellite)	22	2,703,887	19,078,481	43,211,922
Satellite, telecommunications resellers, and all other telecommunications	10	1,316,699	1,834,074	4,383,761
Data processing, hosting, and related services	85	8,566,405	14,141,830	40,481,103
News syndicates, libraries, archives and all other information services	5	217,391	384,266	1,012,696
Internet publishing and broadcasting and web search portals	29	3,191,160	7,781,170	30,852,962
Nondepository credit intermediation and related activities	136	16,183,007	19,780,707	31,283,397
Securities and commodity contracts intermediation and brokerage	173	18,997,574	14,956,453	25,794,348
Monetary authorities and depository credit intermediation	272	26,581,743	61,256,449	107,683,680
Other financial investment activities	272	27,378,334	31,570,455	65,707,491
Direct life insurance carriers	25	3,215,430	7,565,493	9,471,975
Insurance carriers, except direct life	120	12,725,445	54,702,528	89,905,691
Insurance agencies, brokerages, and related activities	142	12,428,110	23,590,598	46,915,926
Funds, trusts, and other financial vehicles	61	6,700,738	9,622,670	24,210,954
Other real estate	1,579	59,547,859	164,659,498	350,335,138
Tenant-occupied housing	199	7,296,480	75,348,668	84,271,450

Appendix

Owner-occupied dwellings	0	0	238,899,406	303,272,291
Automotive equipment rental and leasing	26	9,888,500	15,368,158	17,313,567
General and consumer goods rental except video tapes and discs	21	5,176,855	5,623,827	6,781,378
Video tape and disc rental	13	746,904	1,205,334	1,820,289
Commercial and industrial machinery and equipment rental and leasing	19	8,166,687	12,009,993	13,779,916
Lessors of nonfinancial intangible assets	8	473,634	12,051,438	13,949,286
Legal services	380	37,163,137	70,684,281	91,711,811
Accounting, tax preparation, bookkeeping, and payroll services	210	18,100,519	28,723,870	38,116,485
Architectural, engineering, and related services	503	47,518,895	56,059,728	90,119,880
Specialized design services	30	2,295,796	4,686,526	6,391,194
Custom computer programming services	60	7,152,691	7,688,321	10,059,248
Computer systems design services	149	16,557,879	16,482,627	20,345,166
Other computer related services, including facilities management	35	3,493,421	6,776,779	10,586,727
Management consulting services	2,649	279,006,978	296,177,593	438,045,733
Environmental and other technical consulting services	103	10,036,083	10,838,598	15,280,041
Scientific research and development services	6,797	751,129,740	931,675,695	1,665,841,974
Advertising, public relations, and related services	134	9,297,954	14,463,556	24,571,899
Photographic services	11	504,443	1,767,707	2,769,585
Veterinary services	45	2,354,764	3,371,273	4,873,849
Marketing research and all other miscellaneous professional, scientific, and technical services	263	24,731,572	60,989,676	89,668,568
Management of companies and enterprises	495	68,912,119	80,368,509	125,438,237
Office administrative services	237	16,898,485	7,711,390	17,143,021
Facilities support services	37	1,940,988	2,920,353	6,112,380
Employment services	1,076	50,714,146	74,708,432	105,987,047
Business support services	139	6,454,604	5,558,608	9,700,152
Travel arrangement and reservation services	42	2,233,147	2,935,559	6,799,113
Investigation and security services	204	8,484,695	8,338,356	11,956,790
Services to buildings	367	12,037,818	16,702,506	30,138,776
Landscape and horticultural services	185	8,055,331	9,873,607	16,720,777

Appendix

Other support services	74	3,653,626	4,682,910	8,838,115
Waste management and remediation services	70	5,365,308	9,053,915	16,234,951
Elementary and secondary schools	198	9,849,604	8,501,156	9,876,886
Junior colleges, colleges, universities, and professional schools	631	38,574,987	53,191,385	66,072,596
Other educational services	178	8,050,536	9,196,202	16,406,753
Offices of physicians	574	56,737,866	59,890,500	86,116,599
Offices of dentists	166	11,208,836	14,475,440	20,264,532
Offices of other health practitioners	154	8,855,563	13,431,950	17,614,264
Outpatient care centers	218	15,963,861	14,860,684	25,207,661
Medical and diagnostic laboratories	79	6,317,023	9,558,662	13,479,315
Home health care services	266	11,860,236	11,473,531	14,859,405
Other ambulatory health care services	60	3,924,195	4,443,800	6,976,876
Hospitals	956	77,777,459	93,012,167	178,071,717
Nursing and community care facilities	327	14,371,972	16,653,142	27,897,150
Residential mental retardation, mental health, substance abuse and other facilities	163	6,590,273	7,315,259	11,429,780
Individual and family services	327	11,303,151	9,457,277	13,600,925
Child day care services	208	6,206,085	8,264,252	11,279,152
Community food, housing, and other relief services, including rehabilitation services	136	5,235,124	5,160,108	10,774,819
Performing arts companies	72	2,470,896	3,555,027	5,646,324
Commercial Sports Except Racing	136	5,874,989	5,510,237	7,918,544
Racing and Track Operation	11	507,662	920,754	1,323,752
Independent artists, writers, and performers	33	1,198,452	3,776,319	5,137,697
Promoters of performing arts and sports and agents for public figures	54	1,667,667	3,080,153	5,569,806
Museums, historical sites, zoos, and parks	15	611,856	823,615	1,434,596
Amusement parks and arcades	13	382,923	774,621	1,085,470
Gambling industries (except casino hotels)	79	3,294,102	9,433,690	13,359,766
Other amusement and recreation industries	91	3,441,318	4,015,431	6,418,531
Fitness and recreational sports centers	100	2,397,058	3,279,290	5,586,927
Bowling centers	11	315,226	494,725	812,523

Appendix

Hotels and motels, including casino hotels	103	4,946,915	9,831,267	13,838,239
Other accommodations	32	1,701,691	2,337,428	2,972,952
Full-service restaurants	804	22,057,216	34,400,712	56,304,486
Limited-service restaurants	740	17,642,238	30,211,689	60,489,671
All other food and drinking places	507	18,593,817	27,038,039	38,236,251
Automotive repair and maintenance, except car washes	313	18,304,297	19,368,954	28,874,562
Car washes	147	8,500,057	13,286,561	19,427,665
Electronic and precision equipment repair and maintenance	797	61,724,934	78,310,723	119,503,548
Commercial and industrial machinery and equipment repair and maintenance	53	4,176,147	4,064,203	6,019,440
Personal and household goods repair and maintenance	41	1,961,603	3,809,898	5,356,170
Personal care services	298	8,684,838	7,123,086	9,834,016
Death care services	63	2,166,593	994,767	1,653,359
Dry-cleaning and laundry services	132	4,180,451	1,745,740	2,783,593
Other personal services	160	4,994,813	6,232,126	9,089,433
Religious organizations	423	23,209,079	9,610,527	35,268,087
Grantmaking, giving, and social advocacy organizations	446	29,678,764	86,817,046	130,856,837
Business and professional associations	38	3,978,800	6,597,814	10,375,835
Labor and civic organizations	82	3,768,065	9,998,618	15,346,689
Private households	184	4,086,788	4,086,166	4,086,166
Postal service	99	9,088,234	9,091,816	9,665,934
Federal electric utilities	0	0	0	0
Other federal government enterprises	37	1,616,511	4,331,716	12,918,105
State government passenger transit	27	3,140,752	-2,057,836	1,845,112
State government electric utilities	0	0	0	0
Other state government enterprises	<1	93,563	84,527	146,202
Local government passenger transit	14	1,678,633	-1,917,681	216,315
Local government electric utilities	0	0	0	0
Other local government enterprises	40	5,675,360	7,688,610	14,206,910
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3,130	611,673,835	666,734,737	1,524,513,640

Moon to Mars Campaign

Table 686: Detailed M2M Campaign Impacts by Types of Impact, Maryland

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>400</i>	<i>34,803,723</i>	<i>51,321,029</i>	<i>86,635,807</i>
Oilseed farming	<1	5,034	24,918	42,432
Grain farming	<1	10,698	16,948	63,637
Vegetable and melon farming	<1	1,853	3,458	6,082
Fruit farming	<1	675	1,332	1,813
Tree nut farming	<1	6	11	15
Greenhouse, nursery, and floriculture production	<1	3,882	5,611	9,398
Tobacco farming	<1	119	133	223
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	726	1,023	1,805
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1,180	2,870	8,670
Dairy cattle and milk production	<1	939	1,851	8,778
Poultry and egg production	<1	1,655	3,090	23,984
Animal production, except cattle and poultry and eggs	<1	6,578	20,224	27,852
Forestry, forest products, and timber tract production	<1	1,172	1,187	1,402
Commercial logging	<1	1,109	1,030	1,478
Commercial fishing	<1	1,914	1,505	4,244
Commercial hunting and trapping	<1	1,168	743	1,307
Support activities for agriculture and forestry	<1	12,805	10,695	14,583
Oil and gas extraction	<1	8	51	30,662

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Coal mining	<1	963	2,392	4,422
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,568	5,591	9,404
Sand and gravel mining	<1	1,047	2,276	3,917
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	960	2,035	3,548
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	1	1	11
Metal mining services	<1	1	2	377
Other nonmetallic minerals services	<1	5	9	74
Electric power generation - Hydroelectric	<1	792	2,020	3,444
Electric power generation - Fossil fuel	<1	87,707	244,078	450,549
Electric power generation - Nuclear	<1	35,410	67,588	115,417
Electric power generation - Solar	<1	1,006	3,147	5,228
Electric power generation - Wind	<1	136	974	1,661
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	114	410	873
Electric power generation - All other	<1	907	672	1,078
Electric power transmission and distribution	<1	136,845	387,588	794,867
Natural gas distribution	<1	16,238	42,946	85,692
Water, sewage and other systems	<1	3,196	5,774	8,668
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	107,028	151,319	330,137
Maintenance and repair construction of residential structures	<1	49,071	68,323	148,604
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	58	82	182
Dog and cat food manufacturing	<1	337	1,293	4,712
Other animal food manufacturing	<1	1,229	2,753	17,814
Flour milling	<1	41	92	485
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	227	1,613	11,136
Fats and oils refining and blending	<1	481	1,168	9,304
Breakfast cereal manufacturing	<1	564	1,757	4,536
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,316	4,431	14,392
Nonchocolate confectionery manufacturing	<1	632	1,105	4,701
Chocolate and confectionery manufacturing from cacao beans	<1	835	1,458	5,046
Confectionery manufacturing from purchased chocolate	<1	189	300	1,533
Frozen fruits, juices and vegetables manufacturing	<1	1,446	3,600	13,663
Frozen specialties manufacturing	<1	1,322	2,074	9,345
Canned fruits and vegetables manufacturing	<1	1,600	3,961	13,356

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Canned specialties	<1	5	14	29
Dehydrated food products manufacturing	<1	2	5	10
Cheese manufacturing	<1	499	803	8,069
Dry, condensed, and evaporated dairy product manufacturing	<1	479	1,473	7,357
Fluid milk manufacturing	<1	2,422	4,590	26,102
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	2,541	4,030	12,925
Frozen cakes and other pastries manufacturing	<1	3,904	5,417	9,613
Poultry processing	<1	3,781	5,263	24,011
Animal, except poultry, slaughtering	<1	987	1,361	11,292
Meat processed from carcasses	<1	3,300	3,472	26,661
Rendering and meat byproduct processing	<1	322	392	1,911
Seafood product preparation and packaging	<1	774	1,128	5,866
Bread and bakery product, except frozen, manufacturing	<1	12,995	20,039	44,714
Cookie and cracker manufacturing	<1	385	676	2,487
Dry pasta, mixes, and dough manufacturing	<1	727	2,006	7,121
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1,203	1,964	6,515
Other snack food manufacturing	<1	2,602	6,804	20,062
Coffee and tea manufacturing	<1	287	658	3,222
Flavoring syrup and concentrate manufacturing	<1	406	4,218	7,345
Mayonnaise, dressing, and sauce manufacturing	<1	387	878	3,142
Spice and extract manufacturing	<1	6,779	13,685	49,989
All other food manufacturing	<1	2,182	3,656	14,256
Bottled and canned soft drinks & water	<1	7,562	14,140	53,058
Manufactured ice	<1	383	304	880
Breweries	<1	2,039	5,492	17,219
Wineries	<1	1,342	2,446	9,676
Distilleries	<1	1,778	8,567	16,927
Tobacco product manufacturing	<1	1,536	44,223	57,816
Fiber, yarn, and thread mills	<1	228	467	1,435
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	204	242	694

Appendix

Nonwoven fabric mills	<1	179	448	1,231
Knit fabric mills	<1	28	42	110
Textile and fabric finishing mills	<1	183	273	715
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	860	2,192	5,120
Curtain and linen mills	<1	159	239	626
Textile bag and canvas mills	<1	681	917	2,204
Rope, cordage, twine, tire cord and tire fabric mills	<1	157	301	598
Other textile product mills	<1	498	671	1,441
Hosiery and sock mills	<1	33	66	137
Other apparel knitting mills	<1	47	85	193
Cut and sew apparel contractors	<1	257	326	854
Mens and boys cut and sew apparel manufacturing	<1	575	999	2,616
Womens and girls cut and sew apparel manufacturing	<1	53	122	461
Other cut and sew apparel manufacturing	<1	139	301	720
Apparel accessories and other apparel manufacturing	<1	113	242	559
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	330	422	1,049
Other leather and allied product manufacturing	<1	24	27	62
Sawmills	<1	638	1,098	4,183
Wood preservation	<1	117	367	1,268
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	788	1,269	3,629
Reconstituted wood product manufacturing	<1	53	142	480
Wood windows and door manufacturing	<1	838	1,246	3,167
Cut stock, resawing lumber, and planing	<1	135	269	719
Other millwork, including flooring	<1	1,339	2,336	5,622
Wood container and pallet manufacturing	<1	866	1,274	3,210
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	36	53	139
All other miscellaneous wood product manufacturing	<1	2,215	3,628	6,203
Pulp mills	0	0	0	0

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Paper mills	<1	2,139	3,289	12,982
Paperboard mills	<1	317	548	2,214
Paperboard container manufacturing	<1	5,758	7,819	42,140
Paper bag and coated and treated paper manufacturing	<1	146	212	1,036
Stationery product manufacturing	<1	274	363	1,540
Sanitary paper product manufacturing	<1	178	360	1,831
All other converted paper product manufacturing	<1	48	62	240
Printing	<1	45,613	67,365	129,174
Support activities for printing	<1	3,476	4,702	7,736
Petroleum refineries	<1	1,551	11,206	75,923
Asphalt paving mixture and block manufacturing	<1	508	811	4,000
Asphalt shingle and coating materials manufacturing	<1	860	3,210	6,923
Petroleum lubricating oil and grease manufacturing	<1	1,156	4,092	8,996
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	866	2,304	6,193
Synthetic dye and pigment manufacturing	<1	72	181	610
Other basic inorganic chemical manufacturing	<1	2,895	8,418	21,460
Other basic organic chemical manufacturing	<1	374	937	5,931
Plastics material and resin manufacturing	<1	262	580	4,864
Synthetic rubber manufacturing	<1	129	245	1,470
Artificial and synthetic fibers and filaments manufacturing	<1	26	47	360
Nitrogenous fertilizer manufacturing	<1	338	1,074	3,267
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	178	449	1,283
Pesticide and other agricultural chemical manufacturing	<1	746	2,795	10,089
Medicinal and botanical manufacturing	<1	2,605	5,202	10,072
Pharmaceutical preparation manufacturing	<1	19,304	86,019	168,817
In-vitro diagnostic substance manufacturing	<1	11,033	18,574	40,330

Appendix

Biological product (except diagnostic) manufacturing	<1	12,995	33,898	55,920
Paint and coating manufacturing	<1	2,031	5,075	19,548
Adhesive manufacturing	<1	2,430	4,827	13,554
Soap and other detergent manufacturing	<1	93	422	1,217
Polish and other sanitation good manufacturing	<1	1,677	3,142	8,603
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2,896	12,420	25,663
Printing ink manufacturing	<1	78	90	311
Explosives manufacturing	<1	20	24	65
Custom compounding of purchased resins	<1	231	533	1,693
Photographic film and chemical manufacturing	<1	239	693	2,048
Other miscellaneous chemical product manufacturing	<1	752	1,622	7,604
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,970	4,093	12,566
Unlaminated plastics profile shape manufacturing	<1	197	585	1,303
Plastics pipe and pipe fitting manufacturing	<1	586	2,237	5,271
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	51	124	289
Polystyrene foam product manufacturing	<1	421	901	2,600
Urethane and other foam product (except polystyrene) manufacturing	<1	831	1,691	5,271
Plastics bottle manufacturing	<1	746	1,492	5,681
Other plastics product manufacturing	<1	18,645	32,790	68,994
Tire manufacturing	<1	213	403	1,554
Rubber and plastics hoses and belting manufacturing	<1	34	61	150
Other rubber product manufacturing	<1	918	1,535	4,359
Pottery, ceramics, and plumbing fixture manufacturing	<1	650	920	2,045
Brick, tile, and other structural clay product manufacturing	<1	410	710	1,788
Flat glass manufacturing	<1	234	482	1,056
Other pressed and blown glass and glassware manufacturing	<1	404	715	2,127
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	453	775	1,786
Cement manufacturing	<1	949	2,298	5,773
Ready-mix concrete manufacturing	<1	3,173	5,437	16,536
Concrete block and brick manufacturing	<1	1,898	3,379	8,415
Concrete pipe manufacturing	<1	256	435	1,156
Other concrete product manufacturing	<1	773	1,090	2,879
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,236	5,887	13,620
Abrasive product manufacturing	<1	82	227	395
Cut stone and stone product manufacturing	<1	780	937	2,044
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	50	116	257
Miscellaneous nonmetallic mineral products manufacturing	<1	272	740	1,487
Iron and steel mills and ferroalloy manufacturing	<1	248	427	4,392
Iron, steel pipe and tube manufacturing from purchased steel	<1	249	375	1,868
Rolled steel shape manufacturing	<1	190	357	2,130
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	349	490	3,664
Secondary smelting and alloying of aluminum	<1	58	97	1,041
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	25	34	217
Nonferrous metal (exc aluminum) smelting and refining	<1	94	326	1,600
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	128	148	731
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	49	69	261
Nonferrous metal foundries	<1	79	107	410
Custom roll forming	<1	362	592	2,940
Crown and closure manufacturing and metal stamping	<1	286	363	1,132
Iron and steel forging	<1	585	928	3,118

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	45	113	223
Handtool manufacturing	<1	28	44	81
Prefabricated metal buildings and components manufacturing	<1	218	286	1,013
Fabricated structural metal manufacturing	<1	1,473	2,114	7,129
Plate work manufacturing	<1	305	341	1,045
Metal window and door manufacturing	<1	795	1,057	2,605
Sheet metal work manufacturing	<1	2,479	3,223	7,806
Ornamental and architectural metal work manufacturing	<1	2,158	2,734	6,845
Power boiler and heat exchanger manufacturing	<1	43	60	152
Metal tank (heavy gauge) manufacturing	<1	71	88	234
Metal cans manufacturing	<1	231	509	2,443
Metal barrels, drums and pails manufacturing	<1	93	117	457
Hardware manufacturing	<1	150	226	556
Spring and wire product manufacturing	<1	2,047	2,662	7,805
Machine shops	<1	4,846	5,904	11,770
Turned product and screw, nut, and bolt manufacturing	<1	297	425	1,160
Metal heat treating	<1	37	53	132
Metal coating and nonprecious engraving	<1	586	994	2,418
Electroplating, anodizing, and coloring metal	<1	604	691	1,632
Valve and fittings, other than plumbing, manufacturing	<1	1,081	1,694	4,237
Plumbing fixture fitting and trim manufacturing	<1	140	371	1,100
Ball and roller bearing manufacturing	<1	17	30	43
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	2	2	3
Small arms, ordnance, and accessories manufacturing	<1	565	1,021	1,912
Fabricated pipe and pipe fitting manufacturing	<1	96	117	299
Other fabricated metal manufacturing	<1	1,127	1,483	4,087
Farm machinery and equipment manufacturing	<1	44	81	272

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Lawn and garden equipment manufacturing	<1	489	969	4,127
Construction machinery manufacturing	<1	34	89	236
Mining machinery and equipment manufacturing	<1	4	6	15
Oil and gas field machinery and equipment manufacturing	<1	19	34	88
Semiconductor machinery manufacturing	<1	301	360	1,024
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	118	138	472
Printing machinery and equipment manufacturing	<1	20	23	74
All other industrial machinery manufacturing	<1	26	35	91
Optical instrument and lens manufacturing	<1	68,872	103,297	249,509
Photographic and photocopying equipment manufacturing	<1	16	23	80
Other commercial service industry machinery manufacturing	<1	137	245	680
Air purification and ventilation equipment manufacturing	<1	81	119	307
Heating equipment (except warm air furnaces) manufacturing	<1	331	554	1,099
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,585	3,148	7,880
Industrial mold manufacturing	<1	99	121	269
Special tool, die, jig, and fixture manufacturing	<1	59	83	161
Cutting tool and machine tool accessory manufacturing	<1	6	7	15
Machine tool manufacturing	<1	41	56	154
Rolling mill and other metalworking machinery manufacturing	<1	13	16	32
Turbine and turbine generator set units manufacturing	<1	10	14	41
Speed changer, industrial high-speed drive, and gear manufacturing	<1	124	202	517
Mechanical power transmission equipment manufacturing	<1	13	22	51
Other engine equipment manufacturing	<1	4,652	11,184	36,694

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Pump and pumping equipment manufacturing	<1	46	88	231
Air and gas compressor manufacturing	<1	17	35	103
Elevator and moving stairway manufacturing	<1	4	7	21
Conveyor and conveying equipment manufacturing	<1	60	69	165
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	3
Industrial truck, trailer, and stacker manufacturing	<1	4	7	22
Power-driven handtool manufacturing	<1	916	2,579	4,984
Welding and soldering equipment manufacturing	<1	16	25	66
Packaging machinery manufacturing	<1	39	60	137
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	147	189	542
Electronic computer manufacturing	<1	9	22	77
Computer storage device manufacturing	<1	12	32	189
Computer terminals and other computer peripheral equipment manufacturing	<1	84,126	154,655	421,086
Telephone apparatus manufacturing	<1	95	155	488
Broadcast and wireless communications equipment manufacturing	<1	541	848	1,895
Other communications equipment manufacturing	<1	725	1,199	3,056
Audio and video equipment manufacturing	<1	210	355	813
Printed circuit assembly (electronic assembly) manufacturing	<1	2,227	4,112	13,440
Bare printed circuit board manufacturing	<1	155	211	639
Semiconductor and related device manufacturing	<1	1,280	2,230	6,398

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	112	164	370
Electronic connector manufacturing	<1	62	95	218
Other electronic component manufacturing	<1	3,034	4,224	11,872
Electromedical and electrotherapeutic apparatus manufacturing	<1	35	67	135
Search, detection, and navigation instruments manufacturing	<1	485	839	1,481
Automatic environmental control manufacturing	<1	969	1,315	2,713
Industrial process variable instruments manufacturing	<1	83	135	355
Totalizing fluid meter and counting device manufacturing	<1	16	35	73
Electricity and signal testing instruments manufacturing	<1	248	399	1,007
Analytical laboratory instrument manufacturing	<1	2,538	4,447	9,128
Irradiation apparatus manufacturing	<1	3	5	11
Watch, clock, and other measuring and controlling device manufacturing	<1	73	139	369
Blank magnetic and optical recording media manufacturing	<1	10,226	30,386	57,796
Software and other prerecorded and record reproducing	<1	10,142	14,853	20,886
Electric lamp bulb and part manufacturing	<1	355	501	1,391
Lighting fixture manufacturing	<1	741	854	2,641
Small electrical appliance manufacturing	<1	67	99	458
Household cooking appliance manufacturing	<1	12	18	77
Household refrigerator and home freezer manufacturing	<1	13	20	82
Household laundry equipment manufacturing	<1	32	42	207
Other major household appliance manufacturing	<1	6	9	35
Power, distribution, and specialty transformer manufacturing	<1	70	85	291
Motor and generator manufacturing	<1	11	14	33
Switchgear and switchboard apparatus manufacturing	<1	1,442	1,863	6,967

Appendix

Relay and industrial control manufacturing	<1	80	94	308
Storage battery manufacturing	<1	2,025	2,248	6,289
Primary battery manufacturing	<1	1,248	642	3,498
Fiber optic cable manufacturing	<1	2,100	2,370	7,766
Other communication and energy wire manufacturing	<1	355	419	1,445
Wiring device manufacturing	<1	644	830	2,423
Carbon and graphite product manufacturing	<1	3,687	4,750	17,793
All other miscellaneous electrical equipment and component manufacturing	<1	23	25	79
Automobile manufacturing	<1	559	934	6,689
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	7	10	89
Motor vehicle body manufacturing	<1	21	24	90
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	<1	678	768	3,691
Travel trailer and camper manufacturing	<1	63	67	381
Motor vehicle gasoline engine and engine parts manufacturing	<1	140	155	743
Motor vehicle electrical and electronic equipment manufacturing	<1	134	211	743
Motor vehicle transmission and power train parts manufacturing	<1	3,914	4,581	15,237
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	1,165	1,143	7,265
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,177	2,602	9,541
Aircraft manufacturing	<1	8	28	78
Aircraft engine and engine parts manufacturing	<1	2,267	6,033	12,246
Other aircraft parts and auxiliary equipment manufacturing	<1	227	400	751
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	250	455	883

Appendix

Railroad rolling stock manufacturing	<1	21	30	115
Ship building and repairing	<1	169	250	576
Boat building	<1	330	535	1,975
Motorcycle, bicycle, and parts manufacturing	<1	28	150	276
Military armored vehicle, tank, and tank component manufacturing	<1	389	1,236	2,642
All other transportation equipment manufacturing	<1	29	78	300
Wood kitchen cabinet and countertop manufacturing	<1	1,300	1,804	3,977
Upholstered household furniture manufacturing	<1	206	242	686
Nonupholstered wood household furniture manufacturing	<1	75	91	211
Other household nonupholstered furniture manufacturing	<1	224	380	995
Institutional furniture manufacturing	<1	5,710	6,434	17,872
Wood office furniture manufacturing	<1	21	30	72
Custom architectural woodwork and millwork	<1	103	100	242
Office furniture, except wood, manufacturing	<1	476	803	2,089
Showcase, partition, shelving, and locker manufacturing	<1	245	355	871
Mattress manufacturing	<1	1,351	2,625	7,769
Blind and shade manufacturing	<1	571	608	2,009
Surgical and medical instrument manufacturing	<1	880	3,153	5,480
Surgical appliance and supplies manufacturing	<1	1,146	4,609	7,139
Dental equipment and supplies manufacturing	<1	34	105	179
Ophthalmic goods manufacturing	<1	186	766	1,290
Dental laboratories	<1	670	728	1,365
Jewelry and silverware manufacturing	<1	831	1,706	4,059
Sporting and athletic goods manufacturing	<1	139	310	702
Doll, toy, and game manufacturing	<1	428	1,416	3,236
Office supplies (except paper) manufacturing	<1	9	22	75
Sign manufacturing	<1	1,794	1,849	4,333
Gasket, packing, and sealing device manufacturing	<1	89	159	337

Appendix

Musical instrument manufacturing	<1	841	1,123	2,402
Fasteners, buttons, needles, and pins manufacturing	<1	35	72	147
Broom, brush, and mop manufacturing	<1	1,178	4,388	5,612
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	1,547	2,932	6,143
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	20,542	48,010	108,918
Wholesale - Professional and commercial equipment and supplies	1	139,315	218,285	348,044
Wholesale - Household appliances and electrical and electronic goods	<1	57,198	130,687	257,407
Wholesale - Machinery, equipment, and supplies	<1	31,731	62,446	104,482
Wholesale - Other durable goods merchant wholesalers	1	85,561	151,443	277,560
Wholesale - Drugs and druggists' sundries	<1	40,727	113,735	192,585
Wholesale - Grocery and related product wholesalers	<1	67,403	91,751	183,230
Wholesale - Petroleum and petroleum products	<1	6,820	161,902	173,476
Wholesale - Other nondurable goods merchant wholesalers	1	104,385	258,815	427,358
Wholesale - Wholesale electronic markets and agents and brokers	<1	75,776	78,888	89,981
Retail - Motor vehicle and parts dealers	1	83,172	133,839	189,161
Retail - Furniture and home furnishings stores	<1	43,801	59,360	93,546
Retail - Electronics and appliance stores	<1	46,679	49,877	79,963
Retail - Building material and garden equipment and supplies stores	1	49,392	92,824	132,534
Retail - Food and beverage stores	4	165,033	218,991	334,729
Retail - Health and personal care stores	2	82,277	105,482	161,546
Retail - Gasoline stores	<1	38,904	58,873	96,768
Retail - Clothing and clothing accessories stores	2	57,005	95,970	191,232
Retail - Sporting goods, hobby, musical instrument and book stores	1	33,632	45,450	70,706
Retail - General merchandise stores	4	105,103	165,425	269,652

Appendix

Retail - Miscellaneous store retailers	2	64,174	79,494	122,189
Retail - Nonstore retailers	3	49,470	206,894	423,323
Air transportation	<1	69,806	163,940	261,962
Rail transportation	<1	25,668	30,565	70,386
Water transportation	<1	13,991	21,409	88,208
Truck transportation	3	192,241	236,060	463,083
Transit and ground passenger transportation	7	114,590	145,162	215,882
Pipeline transportation	<1	2,366	7,716	9,154
Scenic and sightseeing transportation and support activities for transportation	2	129,911	141,707	293,609
Couriers and messengers	2	71,466	96,114	168,317
Warehousing and storage	2	85,548	98,318	192,469
Newspaper publishers	<1	11,934	22,036	26,566
Periodical publishers	<1	42,907	72,815	93,733
Book publishers	<1	7,469	25,648	39,093
Directory, mailing list, and other publishers	<1	3,316	10,526	13,653
Greeting card publishing	<1	925	2,996	3,578
Software publishers	1	144,895	357,443	390,140
Motion picture and video industries	<1	31,085	47,542	112,283
Sound recording industries	<1	3,843	19,825	36,193
Radio and television broadcasting	<1	399,171	393,786	368,226
Cable and other subscription programming	<1	284,278	395,659	441,319
Wired telecommunications carriers	<1	98,209	212,336	376,986
Wireless telecommunications carriers (except satellite)	<1	31,026	223,989	495,861
Satellite, telecommunications resellers, and all other telecommunications	<1	10,198	13,908	32,610
Data processing, hosting, and related services	<1	81,702	133,335	351,736
News syndicates, libraries, archives and all other information services	<1	2,757	5,007	12,469
Internet publishing and broadcasting and web search portals	<1	46,613	113,573	369,665
Nondepository credit intermediation and related activities	1	180,132	220,812	337,491
Securities and commodity contracts intermediation and brokerage	2	224,856	173,701	273,843

Appendix

Monetary authorities and depository credit intermediation	3	266,319	616,398	1,068,752
Other financial investment activities	3	354,349	398,578	741,563
Direct life insurance carriers	<1	30,421	74,760	91,150
Insurance carriers, except direct life	1	138,778	631,201	987,219
Insurance agencies, brokerages, and related activities	2	148,451	289,717	557,627
Funds, trusts, and other financial vehicles	<1	81,405	120,048	258,270
Other real estate	18	777,482	2,069,847	4,122,792
Tenant-occupied housing	2	80,347	854,161	937,640
Owner-occupied dwellings	0	0	2,681,859	3,404,502
Automotive equipment rental and leasing	<1	146,703	190,593	205,292
General and consumer goods rental except video tapes and discs	<1	63,289	64,985	74,602
Video tape and disc rental	<1	7,715	12,324	18,546
Commercial and industrial machinery and equipment rental and leasing	<1	110,218	146,233	164,589
Lessors of nonfinancial intangible assets	<1	5,666	148,043	170,259
Legal services	4	430,922	832,199	1,063,637
Accounting, tax preparation, bookkeeping, and payroll services	2	206,835	337,833	436,033
Architectural, engineering, and related services	13	1,271,029	1,521,081	2,412,481
Specialized design services	<1	26,491	56,355	74,223
Custom computer programming services	<1	89,340	95,119	122,251
Computer systems design services	2	203,960	203,429	248,004
Other computer related services, including facilities management	<1	49,678	95,522	145,925
Management consulting services	14	1,520,008	1,624,096	2,336,733
Environmental and other technical consulting services	1	129,563	141,565	197,023
Scientific research and development services	84	9,917,445	12,196,412	21,251,460
Advertising, public relations, and related services	1	111,499	177,221	288,021
Photographic services	<1	5,536	20,922	31,112
Veterinary services	<1	24,700	36,238	51,249
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,266,195	3,257,167	4,600,135

Appendix

Management of companies and enterprises	6	852,108	999,763	1,532,539
Office administrative services	3	265,052	130,002	264,922
Facilities support services	<1	23,687	35,774	69,859
Employment services	12	648,451	974,010	1,325,054
Business support services	1	69,202	60,671	101,768
Travel arrangement and reservation services	<1	22,036	29,147	66,976
Investigation and security services	2	104,168	102,980	143,078
Services to buildings	3	113,678	160,358	277,830
Landscape and horticultural services	2	100,261	124,040	204,686
Other support services	<1	39,811	51,472	94,977
Waste management and remediation services	<1	58,448	98,528	174,827
Elementary and secondary schools	2	126,683	109,503	125,672
Junior colleges, colleges, universities, and professional schools	6	384,175	526,568	638,257
Other educational services	2	82,877	95,443	164,772
Offices of physicians	6	593,365	629,295	904,502
Offices of dentists	2	118,585	155,498	215,480
Offices of other health practitioners	2	91,395	141,783	184,305
Outpatient care centers	2	171,498	160,717	275,340
Medical and diagnostic laboratories	<1	49,403	76,014	106,418
Home health care services	3	124,914	121,397	158,341
Other ambulatory health care services	<1	41,606	47,531	74,005
Hospitals	11	920,099	1,092,390	2,080,715
Nursing and community care facilities	3	156,633	181,653	298,510
Residential mental retardation, mental health, substance abuse and other facilities	2	79,280	88,180	135,631
Individual and family services	4	126,204	106,590	151,706
Child day care services	2	69,245	93,412	125,416
Community food, housing, and other relief services, including rehabilitation services	2	62,881	62,200	127,151
Performing arts companies	<1	31,462	44,553	65,904
Commercial Sports Except Racing	1	67,917	61,614	87,430
Racing and Track Operation	<1	5,898	10,718	13,972
Independent artists, writers, and performers	<1	16,102	46,977	62,519

Appendix

Promoters of performing arts and sports and agents for public figures	<1	20,148	36,233	61,965
Museums, historical sites, zoos, and parks	<1	6,543	8,796	15,075
Amusement parks and arcades	<1	4,555	8,267	11,582
Gambling industries (except casino hotels)	<1	36,823	102,778	143,676
Other amusement and recreation industries	<1	36,098	40,440	63,954
Fitness and recreational sports centers	1	27,309	35,563	59,929
Bowling centers	<1	3,281	5,000	8,125
Hotels and motels, including casino hotels	1	63,249	123,678	172,008
Other accommodations	<1	23,839	32,538	40,845
Full-service restaurants	8	237,820	374,948	602,076
Limited-service restaurants	8	190,425	328,535	640,445
All other food and drinking places	5	213,326	310,331	429,376
Automotive repair and maintenance, except car washes	3	210,038	214,638	319,691
Car washes	2	93,946	146,050	212,352
Electronic and precision equipment repair and maintenance	10	846,103	1,086,644	1,620,259
Commercial and industrial machinery and equipment repair and maintenance	<1	43,949	42,032	61,380
Personal and household goods repair and maintenance	<1	22,698	42,893	60,101
Personal care services	3	97,038	76,943	106,510
Death care services	<1	26,508	10,567	18,166
Dry-cleaning and laundry services	2	51,011	18,451	30,484
Other personal services	2	56,108	69,227	100,260
Religious organizations	5	263,909	94,895	385,197
Grantmaking, giving, and social advocacy organizations	2	112,410	333,740	492,058
Business and professional associations	<1	46,537	73,452	114,081
Labor and civic organizations	<1	45,714	114,178	178,317
Private households	2	46,720	46,720	46,720
Postal service	1	94,877	94,931	100,815
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	116,887	244,424	722,271
State government passenger transit	2	302,897	-241,845	93,595
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	594	535	869
Local government passenger transit	<1	17,687	-21,214	1,807
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	59,596	76,552	141,114
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	18	3,541,357	3,765,235	8,550,034

Investments in Climate Change Research and Technology

Table 687: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Maryland

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>6,425</i>	<i>510,115,878</i>	<i>739,492,421</i>	<i>1,316,116,214</i>
Oilseed farming	<1	74,089	213,433	303,757
Grain farming	6	194,072	238,770	1,132,676
Vegetable and melon farming	1	28,475	52,507	93,465
Fruit farming	<1	8,658	17,261	23,527
Tree nut farming	<1	51	104	139
Greenhouse, nursery, and floriculture production	2	62,787	90,729	157,189
Tobacco farming	<1	758	843	1,297
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	16,506	22,457	41,303
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	4	25,413	72,101	225,452

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Dairy cattle and milk production	<1	11,201	24,951	128,493
Poultry and egg production	2	38,618	63,266	594,781
Animal production, except cattle and poultry and eggs	7	196,102	452,533	592,227
Forestry, forest products, and timber tract production	<1	16,069	16,398	20,332
Commercial logging	<1	23,190	21,543	33,239
Commercial fishing	2	24,566	31,842	86,317
Commercial hunting and trapping	<1	11,824	14,555	24,856
Support activities for agriculture and forestry	9	254,842	216,268	292,949
Oil and gas extraction	2	229	1,213	710,794
Coal mining	<1	37,234	126,207	226,221
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	24,096	120,942	190,842
Sand and gravel mining	<1	17,981	46,276	80,789
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	10,012	24,591	43,489
Drilling oil and gas wells	<1	3	5	44
Support activities for oil and gas operations	<1	33	40	294
Metal mining services	<1	36	67	10,778
Other nonmetallic minerals services	<1	171	232	1,813
Electric power generation - Hydroelectric	<1	14,497	34,987	59,711
Electric power generation - Fossil fuel	4	969,286	2,945,666	6,101,284
Electric power generation - Nuclear	2	486,478	920,693	1,706,334
Electric power generation - Solar	<1	15,766	48,781	83,676
Electric power generation - Wind	<1	3,783	26,240	47,829
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	1,868	6,016	14,418
Electric power generation - All other	<1	9,170	6,757	13,355
Electric power transmission and distribution	9	2,006,411	5,820,424	12,803,024
Natural gas distribution	1	210,279	534,062	1,146,062
Water, sewage and other systems	<1	58,869	108,187	176,334
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	45	3,455,756	3,983,649	7,750,602
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	20	1,336,451	1,883,973	4,281,354
Maintenance and repair construction of residential structures	12	746,911	1,035,556	2,339,281
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	929	1,318	2,981
Dog and cat food manufacturing	<1	6,186	22,286	86,541
Other animal food manufacturing	<1	22,083	46,269	325,036
Flour milling	<1	847	1,942	10,183
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	3,032	21,855	154,807
Fats and oils refining and blending	<1	6,038	14,443	120,854
Breakfast cereal manufacturing	<1	9,356	28,231	79,614
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	15,012	49,787	170,656
Nonchocolate confectionery manufacturing	<1	7,211	12,749	58,660
Chocolate and confectionery manufacturing from cacao beans	<1	6,820	11,765	42,668
Confectionery manufacturing from purchased chocolate	<1	3,081	4,866	26,692
Frozen fruits, juices and vegetables manufacturing	<1	18,513	44,214	195,509
Frozen specialties manufacturing	<1	19,236	30,508	142,021
Canned fruits and vegetables manufacturing	<1	16,137	39,767	138,768
Canned specialties	<1	72	234	484
Dehydrated food products manufacturing	<1	24	51	104
Cheese manufacturing	<1	5,609	9,062	90,270
Dry, condensed, and evaporated dairy product manufacturing	<1	6,151	18,666	108,561
Fluid milk manufacturing	<1	35,582	66,048	391,171
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	36,239	55,458	201,984
Frozen cakes and other pastries manufacturing	2	58,969	82,357	150,285
Poultry processing	2	97,435	128,367	617,079
Animal, except poultry, slaughtering	<1	21,231	28,871	245,296
Meat processed from carcasses	<1	50,543	52,302	415,446
Rendering and meat byproduct processing	<1	4,756	5,722	29,136
Seafood product preparation and packaging	<1	15,237	21,369	123,855
Bread and bakery product, except frozen, manufacturing	5	201,653	311,758	708,782
Cookie and cracker manufacturing	<1	4,836	7,981	33,842
Dry pasta, mixes, and dough manufacturing	<1	10,492	29,236	98,276
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	15,677	24,194	88,520
Other snack food manufacturing	<1	40,908	109,320	325,118
Coffee and tea manufacturing	<1	4,556	10,155	50,995
Flavoring syrup and concentrate manufacturing	<1	4,758	53,135	90,328
Mayonnaise, dressing, and sauce manufacturing	<1	5,031	11,864	44,478
Spice and extract manufacturing	<1	68,934	133,821	535,900
All other food manufacturing	<1	25,739	43,326	179,133

Appendix

Bottled and canned soft drinks & water	2	131,283	239,436	936,689
Manufactured ice	<1	6,108	4,502	15,267
Breweries	<1	31,844	80,684	260,721
Wineries	<1	12,752	23,166	98,238
Distilleries	<1	29,299	128,022	274,841
Tobacco product manufacturing	<1	22,194	472,925	701,675
Fiber, yarn, and thread mills	<1	4,270	7,240	27,552
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	2,208	2,561	7,784
Nonwoven fabric mills	<1	2,028	4,857	14,989
Knit fabric mills	<1	208	302	821
Textile and fabric finishing mills	<1	1,306	1,940	5,383
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	13,372	27,645	83,995
Curtain and linen mills	<1	2,151	3,120	8,969
Textile bag and canvas mills	<1	10,205	13,353	34,328
Rope, cordage, twine, tire cord and tire fabric mills	<1	5,048	8,900	19,420
Other textile product mills	<1	6,901	9,094	21,310
Hosiery and sock mills	<1	534	1,019	2,570
Other apparel knitting mills	<1	485	923	2,245
Cut and sew apparel contractors	<1	2,428	3,097	8,593
Mens and boys cut and sew apparel manufacturing	<1	5,796	9,931	29,840
Womens and girls cut and sew apparel manufacturing	<1	434	1,001	4,074
Other cut and sew apparel manufacturing	<1	1,357	2,955	7,771
Apparel accessories and other apparel manufacturing	<1	1,228	2,612	7,068
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	6,935	8,479	25,106
Other leather and allied product manufacturing	<1	271	313	762
Sawmills	<1	17,398	29,236	111,121
Wood preservation	<1	3,693	11,280	37,949
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	23,631	37,363	108,914
Reconstituted wood product manufacturing	<1	2,006	5,176	17,083
Wood windows and door manufacturing	<1	19,818	29,255	76,138

Appendix

Cut stock, resawing lumber, and planing	<1	2,859	5,638	15,313
Other millwork, including flooring	<1	27,141	47,017	119,863
Wood container and pallet manufacturing	<1	14,891	21,739	56,565
Manufactured home (mobile home) manufacturing	<1	5	6	13
Prefabricated wood building manufacturing	<1	1,422	2,079	5,247
All other miscellaneous wood product manufacturing	<1	33,517	53,140	102,261
Pulp mills	0	0	0	0
Paper mills	<1	48,568	89,687	309,018
Paperboard mills	<1	7,833	14,615	53,927
Paperboard container manufacturing	1	69,747	96,436	528,605
Paper bag and coated and treated paper manufacturing	<1	2,186	3,440	17,112
Stationery product manufacturing	<1	3,937	5,437	24,290
Sanitary paper product manufacturing	<1	3,609	7,922	37,026
All other converted paper product manufacturing	<1	892	1,192	4,328
Printing	10	558,929	782,688	1,677,723
Support activities for printing	<1	21,969	29,372	50,255
Petroleum refineries	<1	31,505	218,009	1,493,244
Asphalt paving mixture and block manufacturing	<1	10,838	17,122	89,311
Asphalt shingle and coating materials manufacturing	<1	18,712	67,288	146,942
Petroleum lubricating oil and grease manufacturing	<1	17,222	60,752	140,894
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	20,430	52,689	142,583
Synthetic dye and pigment manufacturing	<1	1,175	2,788	8,554
Other basic inorganic chemical manufacturing	<1	61,183	156,738	416,159
Other basic organic chemical manufacturing	<1	10,255	25,196	141,281
Plastics material and resin manufacturing	<1	6,464	13,550	101,693
Synthetic rubber manufacturing	<1	2,664	4,921	27,108
Artificial and synthetic fibers and filaments manufacturing	<1	222	419	3,139

Appendix

Nitrogenous fertilizer manufacturing	<1	4,649	13,957	47,142
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3,239	7,555	22,451
Pesticide and other agricultural chemical manufacturing	<1	18,450	67,357	232,824
Medicinal and botanical manufacturing	<1	24,172	45,656	99,022
Pharmaceutical preparation manufacturing	1	193,806	803,666	1,724,174
In-vitro diagnostic substance manufacturing	<1	67,500	111,722	244,463
Biological product (except diagnostic) manufacturing	<1	88,040	213,576	386,677
Paint and coating manufacturing	<1	30,153	70,280	273,468
Adhesive manufacturing	<1	27,348	50,570	158,535
Soap and other detergent manufacturing	<1	1,042	4,180	15,821
Polish and other sanitation good manufacturing	<1	18,142	32,008	98,347
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	32,969	130,240	285,811
Printing ink manufacturing	<1	684	775	2,684
Explosives manufacturing	<1	583	697	1,962
Custom compounding of purchased resins	<1	2,367	4,858	17,092
Photographic film and chemical manufacturing	<1	3,235	8,954	27,733
Other miscellaneous chemical product manufacturing	<1	13,049	26,331	119,617
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	20,939	44,380	139,749
Unlaminated plastics profile shape manufacturing	<1	1,493	4,515	10,510
Plastics pipe and pipe fitting manufacturing	<1	5,661	22,125	49,962
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	662	1,650	3,771
Polystyrene foam product manufacturing	<1	7,854	17,084	49,267
Urethane and other foam product (except polystyrene) manufacturing	<1	13,864	28,594	91,148
Plastics bottle manufacturing	<1	8,662	17,486	71,179
Other plastics product manufacturing	3	262,645	460,379	1,029,553

Appendix

Tire manufacturing	<1	4,865	9,143	35,228
Rubber and plastics hoses and belting manufacturing	<1	635	1,160	2,832
Other rubber product manufacturing	<1	12,083	20,432	55,328
Pottery, ceramics, and plumbing fixture manufacturing	<1	8,301	12,354	26,038
Brick, tile, and other structural clay product manufacturing	<1	7,245	13,172	31,181
Flat glass manufacturing	<1	4,338	9,648	20,384
Other pressed and blown glass and glassware manufacturing	<1	5,773	10,819	31,560
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	7,437	13,290	29,677
Cement manufacturing	<1	20,931	54,388	131,631
Ready-mix concrete manufacturing	1	76,670	136,376	407,172
Concrete block and brick manufacturing	<1	27,932	53,908	126,804
Concrete pipe manufacturing	<1	16,071	28,916	69,755
Other concrete product manufacturing	<1	27,295	40,083	101,877
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	29,736	86,624	188,526
Abrasive product manufacturing	<1	1,333	4,031	6,827
Cut stone and stone product manufacturing	<1	15,017	18,160	39,756
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	820	2,018	4,503
Miscellaneous nonmetallic mineral products manufacturing	<1	11,550	36,468	72,913
Iron and steel mills and ferroalloy manufacturing	<1	3,353	6,704	58,518
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,939	5,135	24,229
Rolled steel shape manufacturing	<1	3,882	8,354	40,264
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	3,615	5,791	45,461
Secondary smelting and alloying of aluminum	<1	716	1,350	14,117
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	243	368	2,276

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	2,748	11,656	49,164
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	856	1,060	4,822
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	708	1,146	3,909
Nonferrous metal foundries	<1	732	1,072	4,014
Custom roll forming	<1	3,609	6,161	29,974
Crown and closure manufacturing and metal stamping	<1	2,895	3,699	12,014
Iron and steel forging	<1	1,178	1,905	6,453
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	512	1,267	2,621
Handtool manufacturing	<1	257	408	795
Prefabricated metal buildings and components manufacturing	<1	11,261	16,425	53,710
Fabricated structural metal manufacturing	<1	24,259	36,199	122,420
Plate work manufacturing	<1	5,601	6,233	19,561
Metal window and door manufacturing	<1	13,811	18,774	47,300
Sheet metal work manufacturing	<1	21,306	28,192	70,522
Ornamental and architectural metal work manufacturing	<1	42,524	55,308	143,219
Power boiler and heat exchanger manufacturing	<1	606	836	2,037
Metal tank (heavy gauge) manufacturing	<1	1,150	1,467	4,024
Metal cans manufacturing	<1	2,905	6,411	31,163
Metal barrels, drums and pails manufacturing	<1	1,016	1,280	5,306
Hardware manufacturing	<1	1,698	2,632	6,619
Spring and wire product manufacturing	<1	14,509	19,868	57,428
Machine shops	<1	54,430	66,832	136,814
Turned product and screw, nut, and bolt manufacturing	<1	2,387	3,504	9,858
Metal heat treating	<1	420	607	1,516
Metal coating and nonprecious engraving	<1	7,494	12,996	31,211
Electroplating, anodizing, and coloring metal	<1	6,571	7,568	17,955
Valve and fittings, other than plumbing, manufacturing	<1	18,000	28,150	71,790

Appendix

Plumbing fixture fitting and trim manufacturing	<1	1,571	4,206	12,845
Ball and roller bearing manufacturing	<1	154	271	405
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	56	66	89
Small arms, ordnance, and accessories manufacturing	<1	7,300	13,255	27,305
Fabricated pipe and pipe fitting manufacturing	<1	2,004	2,509	6,204
Other fabricated metal manufacturing	<1	15,090	20,030	56,949
Farm machinery and equipment manufacturing	<1	496	934	3,031
Lawn and garden equipment manufacturing	<1	4,701	8,646	41,739
Construction machinery manufacturing	<1	913	2,125	6,341
Mining machinery and equipment manufacturing	<1	115	191	488
Oil and gas field machinery and equipment manufacturing	<1	660	1,128	2,748
Semiconductor machinery manufacturing	<1	1,839	2,186	6,536
Food product machinery manufacturing	<1	3	3	13
Sawmill, woodworking, and paper machinery	<1	1,698	1,930	6,968
Printing machinery and equipment manufacturing	<1	171	193	649
All other industrial machinery manufacturing	<1	312	407	1,096
Optical instrument and lens manufacturing	<1	155	228	617
Photographic and photocopying equipment manufacturing	<1	109	152	548
Other commercial service industry machinery manufacturing	<1	2,841	4,731	13,526
Air purification and ventilation equipment manufacturing	<1	1,073	1,468	3,922
Heating equipment (except warm air furnaces) manufacturing	<1	4,568	7,136	16,285
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	28,662	53,040	146,315
Industrial mold manufacturing	<1	903	1,074	2,507
Special tool, die, jig, and fixture manufacturing	<1	499	675	1,391

Appendix

Cutting tool and machine tool accessory manufacturing	<1	58	67	149
Machine tool manufacturing	<1	424	546	1,550
Rolling mill and other metalworking machinery manufacturing	<1	182	220	452
Turbine and turbine generator set units manufacturing	<1	102	135	481
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,729	2,638	7,844
Mechanical power transmission equipment manufacturing	<1	226	368	922
Other engine equipment manufacturing	<1	53,374	112,562	496,190
Pump and pumping equipment manufacturing	<1	907	1,629	4,558
Air and gas compressor manufacturing	<1	464	859	2,500
Elevator and moving stairway manufacturing	<1	93	135	452
Conveyor and conveying equipment manufacturing	<1	816	926	2,304
Overhead cranes, hoists, and monorail systems manufacturing	<1	20	41	150
Industrial truck, trailer, and stacker manufacturing	<1	75	124	410
Power-driven handtool manufacturing	<1	4,983	13,534	29,458
Welding and soldering equipment manufacturing	<1	235	347	1,085
Packaging machinery manufacturing	<1	382	563	1,348
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,554	1,940	6,004
Electronic computer manufacturing	<1	91,587	186,040	622,036
Computer storage device manufacturing	<1	54	150	872
Computer terminals and other computer peripheral equipment manufacturing	<1	43,633	75,554	230,190
Telephone apparatus manufacturing	<1	3,507	6,194	17,743

Appendix

Broadcast and wireless communications equipment manufacturing	<1	4,794	7,602	17,647
Other communications equipment manufacturing	<1	9,952	17,759	40,845
Audio and video equipment manufacturing	<1	1,688	2,893	6,914
Printed circuit assembly (electronic assembly) manufacturing	<1	20,428	39,414	129,257
Bare printed circuit board manufacturing	<1	1,329	1,847	5,002
Semiconductor and related device manufacturing	<1	9,731	18,430	59,276
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,081	1,587	3,746
Electronic connector manufacturing	<1	807	1,283	2,937
Other electronic component manufacturing	<1	29,096	41,778	117,459
Electromedical and electrotherapeutic apparatus manufacturing	<1	342	673	1,380
Search, detection, and navigation instruments manufacturing	<1	2,556	4,498	8,336
Automatic environmental control manufacturing	<1	2,645	3,638	7,629
Industrial process variable instruments manufacturing	<1	936	1,565	4,101
Totalizing fluid meter and counting device manufacturing	<1	358	857	1,676
Electricity and signal testing instruments manufacturing	<1	831	1,355	3,409
Analytical laboratory instrument manufacturing	<1	24,461	44,018	88,328
Irradiation apparatus manufacturing	<1	26	53	113
Watch, clock, and other measuring and controlling device manufacturing	<1	541	1,046	2,840
Blank magnetic and optical recording media manufacturing	<1	39,173	114,339	265,760
Software and other prerecorded and record reproducing	<1	47,871	70,115	123,125
Electric lamp bulb and part manufacturing	<1	3,710	4,675	14,588
Lighting fixture manufacturing	<1	4,321	5,033	16,203
Small electrical appliance manufacturing	<1	771	1,054	5,623

Appendix

Household cooking appliance manufacturing	<1	181	232	1,051
Household refrigerator and home freezer manufacturing	<1	197	254	1,127
Household laundry equipment manufacturing	<1	475	569	2,948
Other major household appliance manufacturing	<1	85	112	472
Power, distribution, and specialty transformer manufacturing	<1	417	495	1,898
Motor and generator manufacturing	<1	200	234	576
Switchgear and switchboard apparatus manufacturing	<1	7,494	9,131	37,158
Relay and industrial control manufacturing	<1	609	698	2,383
Storage battery manufacturing	<1	17,430	19,876	58,119
Primary battery manufacturing	<1	15,378	4,286	42,628
Fiber optic cable manufacturing	<1	8,311	9,305	35,378
Other communication and energy wire manufacturing	<1	2,462	2,833	10,280
Wiring device manufacturing	<1	4,685	5,785	18,712
Carbon and graphite product manufacturing	<1	11,270	13,608	51,377
All other miscellaneous electrical equipment and component manufacturing	<1	4,334	4,661	13,828
Automobile manufacturing	<1	10,348	18,596	132,735
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	160	256	2,236
Motor vehicle body manufacturing	<1	495	566	2,020
Truck trailer manufacturing	<1	9	11	55
Motor home manufacturing	<1	23,501	30,731	142,209
Travel trailer and camper manufacturing	<1	1,443	1,578	8,825
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,952	2,401	10,609
Motor vehicle electrical and electronic equipment manufacturing	<1	2,411	4,261	16,686
Motor vehicle transmission and power train parts manufacturing	<1	29,014	35,933	143,478
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	20,617	24,741	131,854

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	31,565	39,860	149,558
Aircraft manufacturing	<1	188	675	1,827
Aircraft engine and engine parts manufacturing	<1	1,298	3,808	8,249
Other aircraft parts and auxiliary equipment manufacturing	<1	636	1,182	2,314
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	630	1,160	2,393
Railroad rolling stock manufacturing	<1	332	471	1,947
Ship building and repairing	<1	2,544	3,753	8,736
Boat building	<1	7,763	12,515	47,529
Motorcycle, bicycle, and parts manufacturing	<1	282	1,471	2,818
Military armored vehicle, tank, and tank component manufacturing	<1	7,604	23,933	63,991
All other transportation equipment manufacturing	<1	409	1,018	4,210
Wood kitchen cabinet and countertop manufacturing	<1	23,075	35,384	77,012
Upholstered household furniture manufacturing	<1	2,178	2,552	7,309
Nonupholstered wood household furniture manufacturing	<1	1,079	1,362	3,178
Other household nonupholstered furniture manufacturing	<1	2,808	4,843	13,389
Institutional furniture manufacturing	<1	1,073	1,205	3,366
Wood office furniture manufacturing	<1	122	182	453
Custom architectural woodwork and millwork	<1	1,657	1,635	4,180
Office furniture, except wood, manufacturing	<1	1,137	2,058	5,152
Showcase, partition, shelving, and locker manufacturing	<1	3,288	5,300	12,898
Mattress manufacturing	<1	21,195	42,328	128,216
Blind and shade manufacturing	<1	9,467	10,199	33,538
Surgical and medical instrument manufacturing	<1	10,460	36,661	70,101
Surgical appliance and supplies manufacturing	<1	12,431	47,404	80,253
Dental equipment and supplies manufacturing	<1	381	1,184	2,121

Appendix

Ophthalmic goods manufacturing	<1	2,509	9,724	17,497
Dental laboratories	<1	7,913	8,579	16,299
Jewelry and silverware manufacturing	<1	14,101	28,181	68,690
Sporting and athletic goods manufacturing	<1	2,012	4,405	10,959
Doll, toy, and game manufacturing	<1	5,080	15,603	38,727
Office supplies (except paper) manufacturing	<1	139	334	1,276
Sign manufacturing	<1	37,136	36,413	88,470
Gasket, packing, and sealing device manufacturing	<1	1,549	2,718	5,995
Musical instrument manufacturing	<1	6,325	8,084	18,376
Fasteners, buttons, needles, and pins manufacturing	<1	410	821	1,709
Broom, brush, and mop manufacturing	<1	12,950	36,286	62,177
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	20,672	38,048	85,913
Wholesale - Motor vehicle and motor vehicle parts and supplies	4	295,316	695,717	1,570,907
Wholesale - Professional and commercial equipment and supplies	13	1,622,639	2,555,185	4,140,576
Wholesale - Household appliances and electrical and electronic goods	9	912,462	2,162,589	4,299,557
Wholesale - Machinery, equipment, and supplies	6	529,210	1,061,381	1,771,824
Wholesale - Other durable goods merchant wholesalers	17	1,324,836	2,356,594	4,348,702
Wholesale - Drugs and druggists' sundries	4	611,839	1,762,581	3,040,832
Wholesale - Grocery and related product wholesalers	16	1,100,000	1,512,564	3,046,971
Wholesale - Petroleum and petroleum products	1	156,374	2,539,869	2,812,706
Wholesale - Other nondurable goods merchant wholesalers	19	1,534,630	3,615,999	6,193,537
Wholesale - Wholesale electronic markets and agents and brokers	10	1,208,351	1,258,156	1,442,586
Retail - Motor vehicle and parts dealers	22	1,382,951	2,222,783	3,174,389
Retail - Furniture and home furnishings stores	16	701,151	949,776	1,528,872
Retail - Electronics and appliance stores	14	767,813	801,809	1,324,410

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Retail - Building material and garden equipment and supplies stores	19	859,412	1,617,981	2,330,083
Retail - Food and beverage stores	65	2,433,286	3,271,310	5,130,723
Retail - Health and personal care stores	31	1,371,868	1,750,507	2,697,992
Retail - Gasoline stores	15	586,637	947,768	1,655,837
Retail - Clothing and clothing accessories stores	35	883,849	1,516,955	3,154,940
Retail - Sporting goods, hobby, musical instrument and book stores	19	542,309	733,927	1,175,832
Retail - General merchandise stores	63	1,859,055	2,901,022	4,754,484
Retail - Miscellaneous store retailers	38	979,617	1,227,017	1,976,250
Retail - Nonstore retailers	41	767,926	3,027,498	6,420,665
Air transportation	9	1,037,075	2,285,831	3,787,802
Rail transportation	3	399,559	574,100	1,214,499
Water transportation	2	177,628	268,326	1,174,007
Truck transportation	32	1,924,643	2,419,039	4,870,147
Transit and ground passenger transportation	81	1,079,774	1,336,655	2,176,220
Pipeline transportation	<1	82,084	196,880	232,452
Scenic and sightseeing transportation and support activities for transportation	31	2,032,294	2,208,297	4,528,808
Couriers and messengers	30	1,035,259	1,381,581	2,456,087
Warehousing and storage	35	1,355,853	1,556,620	3,110,085
Newspaper publishers	3	189,241	343,668	423,900
Periodical publishers	4	428,446	714,774	995,065
Book publishers	1	102,258	348,859	545,759
Directory, mailing list, and other publishers	<1	47,935	143,479	188,277
Greeting card publishing	<1	10,228	30,454	38,750
Software publishers	12	1,518,383	3,666,788	4,058,648
Motion picture and video industries	7	336,263	502,763	1,471,621
Sound recording industries	<1	45,156	211,388	433,428
Radio and television broadcasting	6	3,820,654	4,104,855	5,535,890
Cable and other subscription programming	2	1,619,857	3,524,824	5,048,303
Wired telecommunications carriers	13	1,519,856	3,404,478	6,213,299
Wireless telecommunications carriers (except satellite)	4	450,053	3,081,219	7,158,198

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Satellite, telecommunications resellers, and all other telecommunications	4	444,699	640,770	1,632,939
Data processing, hosting, and related services	32	2,716,166	4,500,586	14,269,162
News syndicates, libraries, archives and all other information services	<1	30,513	53,272	147,157
Internet publishing and broadcasting and web search portals	5	402,214	995,064	4,999,556
Nondepository credit intermediation and related activities	22	2,437,217	2,923,366	4,791,063
Securities and commodity contracts intermediation and brokerage	32	2,884,874	2,317,855	4,377,255
Monetary authorities and depository credit intermediation	49	4,615,428	9,853,397	18,109,113
Other financial investment activities	43	3,697,947	4,329,109	9,863,410
Direct life insurance carriers	5	560,224	1,300,976	1,690,178
Insurance carriers, except direct life	21	2,169,102	9,062,467	15,512,521
Insurance agencies, brokerages, and related activities	26	2,171,881	4,130,967	8,334,234
Funds, trusts, and other financial vehicles	10	1,125,016	1,601,448	4,126,947
Other real estate	285	9,936,065	27,419,513	61,103,674
Tenant-occupied housing	36	1,180,725	11,502,970	13,087,783
Owner-occupied dwellings	0	0	37,537,838	47,652,635
Automotive equipment rental and leasing	5	1,406,297	2,455,000	2,829,065
General and consumer goods rental except video tapes and discs	4	829,042	942,722	1,167,137
Video tape and disc rental	2	122,989	201,475	305,172
Commercial and industrial machinery and equipment rental and leasing	4	1,316,552	2,163,216	2,521,409
Lessors of nonfinancial intangible assets	1	87,386	2,056,940	2,376,831
Legal services	71	6,765,953	12,709,041	16,658,360
Accounting, tax preparation, bookkeeping, and payroll services	33	2,726,108	4,222,336	5,712,980
Architectural, engineering, and related services	108	10,002,228	11,583,230	18,914,934
Specialized design services	4	289,280	563,240	806,180
Custom computer programming services	10	1,121,385	1,211,939	1,624,483

Appendix

Computer systems design services	26	2,750,657	2,720,680	3,400,388
Other computer related services, including facilities management	6	533,430	1,030,803	1,646,773
Management consulting services	186	18,708,304	19,855,604	29,863,469
Environmental and other technical consulting services	17	1,601,127	1,728,732	2,464,137
Scientific research and development services	1,290	137,062,526	174,674,131	313,940,847
Advertising, public relations, and related services	23	1,515,620	2,314,931	4,068,149
Photographic services	2	75,447	249,165	411,767
Veterinary services	8	385,250	539,899	794,892
Marketing research and all other miscellaneous professional, scientific, and technical services	38	3,205,737	7,711,824	12,032,030
Management of companies and enterprises	90	11,829,290	13,803,273	22,028,022
Office administrative services	38	2,556,610	1,173,054	2,681,594
Facilities support services	6	306,326	465,548	1,011,761
Employment services	208	9,001,929	13,211,170	19,306,896
Business support services	25	1,088,741	932,686	1,689,838
Travel arrangement and reservation services	6	325,422	429,510	1,014,509
Investigation and security services	36	1,405,533	1,378,112	2,025,652
Services to buildings	52	1,618,561	2,243,330	4,166,401
Landscape and horticultural services	31	1,275,988	1,565,031	2,701,998
Other support services	12	527,624	677,802	1,322,511
Waste management and remediation services	12	894,250	1,508,059	2,733,622
Elementary and secondary schools	32	1,482,845	1,293,016	1,513,045
Junior colleges, colleges, universities, and professional schools	233	14,278,440	19,760,929	24,507,059
Other educational services	24	1,086,572	1,240,879	2,232,819
Offices of physicians	98	9,582,514	10,080,796	14,560,663
Offices of dentists	28	1,844,396	2,354,761	3,317,545
Offices of other health practitioners	26	1,497,419	2,231,216	2,936,228
Outpatient care centers	35	2,497,780	2,314,791	3,949,108
Medical and diagnostic laboratories	10	780,401	1,154,930	1,669,090
Home health care services	48	2,037,212	1,964,052	2,571,081
Other ambulatory health care services	10	642,907	723,330	1,143,199

Appendix

Hospitals	151	11,963,748	14,338,301	27,751,731
Nursing and community care facilities	54	2,274,823	2,633,874	4,501,302
Residential mental retardation, mental health, substance abuse and other facilities	25	979,133	1,086,001	1,719,362
Individual and family services	49	1,650,505	1,360,351	1,985,048
Child day care services	35	985,842	1,271,007	1,779,164
Community food, housing, and other relief services, including rehabilitation services	20	758,795	745,436	1,589,365
Performing arts companies	12	346,759	510,022	847,152
Commercial Sports Except Racing	23	916,416	893,322	1,298,642
Racing and Track Operation	2	77,709	147,387	223,627
Independent artists, writers, and performers	5	168,394	579,919	796,680
Promoters of performing arts and sports and agents for public figures	8	234,142	448,780	841,734
Museums, historical sites, zoos, and parks	2	91,982	124,636	221,536
Amusement parks and arcades	2	57,646	124,335	176,937
Gambling industries (except casino hotels)	13	498,796	1,396,999	2,034,952
Other amusement and recreation industries	15	527,076	617,239	1,022,497
Fitness and recreational sports centers	16	354,770	489,733	861,722
Bowling centers	2	49,383	78,405	132,320
Hotels and motels, including casino hotels	16	722,865	1,464,006	2,086,492
Other accommodations	4	224,358	310,237	398,894
Full-service restaurants	137	3,600,458	5,547,330	9,289,712
Limited-service restaurants	127	2,882,915	4,880,071	10,086,986
All other food and drinking places	79	2,766,620	4,020,950	5,778,334
Automotive repair and maintenance, except car washes	53	2,952,713	3,246,046	4,846,017
Car washes	24	1,377,452	2,162,808	3,182,663
Electronic and precision equipment repair and maintenance	423	30,743,980	38,467,222	60,325,231
Commercial and industrial machinery and equipment repair and maintenance	10	754,403	736,545	1,113,913
Personal and household goods repair and maintenance	7	317,865	638,115	903,903
Personal care services	48	1,347,217	1,136,252	1,572,439
Death care services	10	332,975	172,162	279,380

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Dry-cleaning and laundry services	25	749,448	353,002	549,527
Other personal services	27	796,329	1,002,955	1,478,725
Religious organizations	65	3,492,117	1,648,137	5,589,801
Grantmaking, giving, and social advocacy organizations	15	955,796	3,049,757	4,503,689
Business and professional associations	6	623,878	1,067,771	1,688,746
Labor and civic organizations	12	548,313	1,520,980	2,306,397
Private households	31	648,553	648,553	648,553
Postal service	16	1,432,015	1,432,722	1,524,482
Federal electric utilities	0	0	0	0
Other federal government enterprises	8	493,963	1,228,333	3,156,900
State government passenger transit	3	307,330	-201,763	179,059
State government electric utilities	0	0	0	0
Other state government enterprises	<1	25,253	24,295	43,155
Local government passenger transit	2	251,750	-223,829	44,455
Local government electric utilities	0	0	0	0
Other local government enterprises	7	947,297	1,384,232	2,547,597
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	414	80,922,047	88,129,348	201,499,255

Massachusetts

NASA

Table 688: Detailed NASA Impacts by Types of Impact, Massachusetts

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	3,260	290,768,616	419,385,894	691,678,849
Oilseed farming	<1	-22	6	504
Grain farming	<1	813	2,318	12,836
Vegetable and melon farming	1	16,432	34,227	74,329
Fruit farming	2	21,490	48,033	83,873
Tree nut farming	<1	17	38	62
Greenhouse, nursery, and floriculture production	1	26,245	36,549	63,398
Tobacco farming	<1	1,795	1,830	3,201
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	6,548	8,691	17,406
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	35	3,256	16,410
Dairy cattle and milk production	<1	1,289	4,871	32,394
Poultry and egg production	<1	1,217	2,893	17,298
Animal production, except cattle and poultry and eggs	2	8,648	57,314	123,386
Forestry, forest products, and timber tract production	<1	15,246	15,236	17,478
Commercial logging	<1	19,059	18,331	23,089
Commercial fishing	1	198,507	118,936	127,448
Commercial hunting and trapping	<1	169	18	96
Support activities for agriculture and forestry	4	112,850	94,682	126,692
Oil and gas extraction	<1	42,515	-280	330,777
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	11,318	33,381	63,492
Sand and gravel mining	<1	14,891	29,337	58,318

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	1,617	2,779	5,043
Drilling oil and gas wells	<1	2	3	16
Support activities for oil and gas operations	<1	26	11	89
Metal mining services	<1	291	28	2,919
Other nonmetallic minerals services	<1	41	42	337
Electric power generation - Hydroelectric	<1	11,525	28,589	56,997
Electric power generation - Fossil fuel	2	298,803	886,596	2,204,714
Electric power generation - Nuclear	<1	74,270	122,930	178,816
Electric power generation - Solar	<1	22,910	63,234	93,721
Electric power generation - Wind	<1	4,872	32,209	57,474
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	6,365	4,071	7,821
Electric power transmission and distribution	2	539,146	1,516,315	3,340,195
Natural gas distribution	3	584,032	1,398,182	2,689,973
Water, sewage and other systems	<1	50,165	88,009	144,790
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	12	1,029,817	1,144,999	2,587,101
Maintenance and repair construction of residential structures	5	400,684	453,581	1,001,788
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	457	515	1,159
Dog and cat food manufacturing	<1	1,722	4,417	37,376
Other animal food manufacturing	<1	26,806	49,774	277,033
Flour milling	<1	11,141	17,026	92,092
Rice milling	0	0	0	0
Malt manufacturing	<1	5,273	7,712	51,851
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	6,877	25,140	256,121
Fats and oils refining and blending	<1	1,545	2,509	23,474
Breakfast cereal manufacturing	<1	52,802	98,230	342,358
Beet sugar manufacturing	<1	46,852	75,817	352,331
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	5,877	8,016	42,939
Chocolate and confectionery manufacturing from cacao beans	<1	1,223	1,683	11,514
Confectionery manufacturing from purchased chocolate	<1	8,128	10,330	86,141
Frozen fruits, juices and vegetables manufacturing	<1	11,916	18,538	79,073
Frozen specialties manufacturing	<1	45,015	55,684	222,167
Canned fruits and vegetables manufacturing	<1	9,621	15,706	73,033
Canned specialties	<1	986	1,900	10,248
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	1,968	2,571	27,608
Dry, condensed, and evaporated dairy product manufacturing	<1	9,464	17,368	126,991
Fluid milk manufacturing	<1	49,455	67,360	476,155
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	17,710	22,327	119,087
Frozen cakes and other pastries manufacturing	2	66,757	80,899	157,208

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Poultry processing	<1	9,771	11,355	46,369
Animal, except poultry, slaughtering	<1	17,262	21,495	165,409
Meat processed from carcasses	2	140,640	132,914	906,572
Rendering and meat byproduct processing	<1	5,136	5,549	24,635
Seafood product preparation and packaging	2	138,903	159,699	720,958
Bread and bakery product, except frozen, manufacturing	6	256,873	318,140	803,117
Cookie and cracker manufacturing	<1	17,065	21,673	87,705
Dry pasta, mixes, and dough manufacturing	<1	23,268	40,162	159,583
Tortilla manufacturing	<1	9,634	11,242	45,125
Roasted nuts and peanut butter manufacturing	<1	23,188	39,826	131,028
Other snack food manufacturing	<1	24,566	36,850	153,967
Coffee and tea manufacturing	<1	11,267	16,937	94,803
Flavoring syrup and concentrate manufacturing	<1	962	4,835	13,042
Mayonnaise, dressing, and sauce manufacturing	<1	23,620	37,158	166,992
Spice and extract manufacturing	<1	2,247	3,153	13,782
All other food manufacturing	<1	50,651	65,821	306,063
Bottled and canned soft drinks & water	1	91,392	128,269	590,617
Manufactured ice	<1	5,596	2,056	11,379
Breweries	2	120,827	223,711	612,071
Wineries	<1	10,511	15,478	69,098
Distilleries	<1	3,485	21,050	50,759
Tobacco product manufacturing	<1	499	12,638	23,034
Fiber, yarn, and thread mills	<1	3,585	5,025	23,281
Broadwoven fabric mills	<1	3,356	4,821	17,645
Narrow fabric mills and schiffli machine embroidery	<1	3,446	3,675	8,176
Nonwoven fabric mills	<1	5,530	8,230	31,572
Knit fabric mills	<1	1,189	1,393	3,058
Textile and fabric finishing mills	<1	6,374	7,619	23,785
Fabric coating mills	<1	41,701	50,015	178,462
Carpet and rug mills	<1	1,090	1,657	8,056
Curtain and linen mills	<1	7,133	8,603	25,392
Textile bag and canvas mills	<1	9,430	10,695	27,532
Rope, cordage, twine, tire cord and tire fabric mills	<1	4,835	6,471	18,271
Other textile product mills	<1	5,945	6,826	17,907
Hosiery and sock mills	<1	573	749	1,820

Appendix

Other apparel knitting mills	<1	610	799	1,931
Cut and sew apparel contractors	<1	11,433	12,753	26,302
Mens and boys cut and sew apparel manufacturing	<1	13,187	18,804	45,217
Womens and girls cut and sew apparel manufacturing	<1	1,372	2,620	8,598
Other cut and sew apparel manufacturing	<1	1,712	2,848	7,511
Apparel accessories and other apparel manufacturing	<1	1,967	3,251	6,880
Leather and hide tanning and finishing	<1	496	1,006	2,348
Footwear manufacturing	<1	35,670	41,219	67,488
Other leather and allied product manufacturing	<1	2,040	2,246	4,197
Sawmills	<1	2,900	3,117	16,710
Wood preservation	<1	1,842	2,219	16,467
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	3,446	3,642	13,184
Reconstituted wood product manufacturing	<1	436	534	4,384
Wood windows and door manufacturing	<1	53,136	55,229	162,893
Cut stock, resawing lumber, and planing	<1	633	653	2,614
Other millwork, including flooring	<1	19,590	20,267	61,186
Wood container and pallet manufacturing	<1	23,955	24,261	66,815
Manufactured home (mobile home) manufacturing	<1	3	3	7
Prefabricated wood building manufacturing	<1	1,145	1,172	3,494
All other miscellaneous wood product manufacturing	<1	6,226	6,336	24,780
Pulp mills	0	0	0	0
Paper mills	1	154,080	138,976	689,943
Paperboard mills	<1	14,863	14,726	67,299
Paperboard container manufacturing	1	130,140	135,007	613,427
Paper bag and coated and treated paper manufacturing	1	122,994	124,009	509,427
Stationery product manufacturing	<1	19,834	20,930	82,833
Sanitary paper product manufacturing	<1	10,976	10,030	51,910
All other converted paper product manufacturing	<1	16,526	17,126	52,776

Appendix

Printing	7	522,495	797,651	1,388,338
Support activities for printing	<1	66,841	94,343	129,128
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	16,006	25,875	69,643
Asphalt shingle and coating materials manufacturing	<1	3,206	11,753	21,713
Petroleum lubricating oil and grease manufacturing	<1	27,450	99,757	183,391
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	7,562	23,421	56,138
Synthetic dye and pigment manufacturing	<1	7,788	22,702	66,141
Other basic inorganic chemical manufacturing	<1	30,872	97,251	209,502
Other basic organic chemical manufacturing	<1	25,114	71,528	348,880
Plastics material and resin manufacturing	<1	89,431	196,057	914,439
Synthetic rubber manufacturing	<1	1,590	3,179	18,074
Artificial and synthetic fibers and filaments manufacturing	6	707,466	1,020,507	4,401,387
Nitrogenous fertilizer manufacturing	<1	6,480	23,699	67,299
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	806	2,272	5,906
Pesticide and other agricultural chemical manufacturing	<1	4,219	19,016	64,916
Medicinal and botanical manufacturing	<1	6,714	15,456	31,437
Pharmaceutical preparation manufacturing	1	196,404	1,035,824	2,007,995
In-vitro diagnostic substance manufacturing	<1	36,754	68,821	133,699
Biological product (except diagnostic) manufacturing	<1	34,607	102,632	156,854
Paint and coating manufacturing	<1	23,197	63,699	176,631
Adhesive manufacturing	<1	27,190	59,556	143,784
Soap and other detergent manufacturing	<1	11,230	54,923	168,386
Polish and other sanitation good manufacturing	<1	21,357	42,979	110,932
Surface active agent manufacturing	<1	1,222	6,428	19,447
Toilet preparation manufacturing	<1	1,122	5,803	11,908
Printing ink manufacturing	<1	12,222	13,937	45,010

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	34,869	89,581	222,383
Photographic film and chemical manufacturing	<1	11,186	36,959	104,419
Other miscellaneous chemical product manufacturing	<1	21,960	49,336	135,814
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	53,305	81,098	280,842
Unlaminated plastics profile shape manufacturing	<1	12,060	23,515	77,655
Plastics pipe and pipe fitting manufacturing	<1	5,399	12,675	40,446
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4,009	6,749	20,941
Polystyrene foam product manufacturing	<1	24,100	37,602	119,284
Urethane and other foam product (except polystyrene) manufacturing	<1	28,735	42,760	133,656
Plastics bottle manufacturing	<1	3,836	5,775	26,048
Other plastics product manufacturing	3	262,127	357,769	1,019,456
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	568	791	2,007
Other rubber product manufacturing	<1	60,783	81,255	247,269
Pottery, ceramics, and plumbing fixture manufacturing	<1	7,809	10,004	22,407
Brick, tile, and other structural clay product manufacturing	<1	16,924	24,173	51,784
Flat glass manufacturing	<1	1,669	2,740	7,644
Other pressed and blown glass and glassware manufacturing	<1	26,506	38,599	105,589
Glass container manufacturing	<1	2,383	3,315	9,341
Glass product manufacturing made of purchased glass	<1	11,546	16,724	47,732
Cement manufacturing	<1	2,705	4,955	13,591
Ready-mix concrete manufacturing	<1	22,328	31,842	99,762
Concrete block and brick manufacturing	<1	7,378	10,997	29,101
Concrete pipe manufacturing	<1	453	641	1,716
Other concrete product manufacturing	<1	16,636	20,802	52,698
Lime manufacturing	<1	2,282	4,183	12,206
Gypsum product manufacturing	<1	523	1,083	4,708

Appendix

Abrasive product manufacturing	<1	12,774	25,918	48,101
Cut stone and stone product manufacturing	<1	10,857	12,180	25,342
Ground or treated mineral and earth manufacturing	<1	1,687	3,381	8,430
Mineral wool manufacturing	<1	2,012	3,598	9,043
Miscellaneous nonmetallic mineral products manufacturing	<1	760	1,571	4,141
Iron and steel mills and ferroalloy manufacturing	<1	22,632	35,168	277,482
Iron, steel pipe and tube manufacturing from purchased steel	<1	3,139	4,388	25,470
Rolled steel shape manufacturing	<1	16,243	26,231	144,597
Steel wire drawing	<1	2,626	3,186	12,699
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,145	1,868	11,052
Other aluminum rolling, drawing and extruding	<1	1,223	1,568	9,754
Nonferrous metal (exc aluminum) smelting and refining	<1	1,114	3,036	15,278
Copper rolling, drawing, extruding and alloying	<1	16,180	21,115	180,036
Nonferrous metal, except copper and aluminum, shaping	<1	1,156	1,335	6,469
Secondary processing of other nonferrous metals	<1	1,942	2,655	15,750
Ferrous metal foundries	<1	3,868	4,803	12,194
Nonferrous metal foundries	<1	8,017	10,121	27,200
Custom roll forming	<1	1,642	3,513	11,002
Crown and closure manufacturing and metal stamping	<1	31,971	46,172	106,150
Iron and steel forging	<1	6,797	13,985	38,819
Nonferrous forging	<1	8,973	15,762	37,961
Cutlery, utensil, pot, and pan manufacturing	<1	58,403	214,762	326,994
Handtool manufacturing	<1	82,053	164,987	249,298
Prefabricated metal buildings and components manufacturing	<1	535	940	2,869
Fabricated structural metal manufacturing	<1	12,895	23,075	53,320
Plate work manufacturing	<1	8,816	10,405	27,172
Metal window and door manufacturing	<1	7,067	11,355	25,350
Sheet metal work manufacturing	<1	64,886	100,012	208,348

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Ornamental and architectural metal work manufacturing	<1	24,342	36,633	76,536
Power boiler and heat exchanger manufacturing	<1	911	1,591	3,545
Metal tank (heavy gauge) manufacturing	<1	2,834	4,146	9,730
Metal cans manufacturing	<1	2,146	6,691	24,055
Metal barrels, drums and pails manufacturing	<1	760	1,085	3,849
Hardware manufacturing	<1	4,475	8,810	25,562
Spring and wire product manufacturing	<1	11,303	18,543	51,632
Machine shops	2	184,241	253,992	456,145
Turned product and screw, nut, and bolt manufacturing	<1	37,774	67,229	145,502
Metal heat treating	<1	11,501	20,232	43,747
Metal coating and nonprecious engraving	<1	42,342	95,338	182,756
Electroplating, anodizing, and coloring metal	<1	39,398	48,953	99,638
Valve and fittings, other than plumbing, manufacturing	<1	19,117	37,362	71,911
Plumbing fixture fitting and trim manufacturing	<1	10,083	39,019	83,518
Ball and roller bearing manufacturing	<1	1,746	4,019	7,225
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	995	1,349	2,210
Small arms, ordnance, and accessories manufacturing	<1	38,851	96,386	186,044
Fabricated pipe and pipe fitting manufacturing	<1	2,861	4,058	7,677
Other fabricated metal manufacturing	<1	45,068	69,604	156,131
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	1,903	3,149	15,502
Construction machinery manufacturing	<1	231	465	1,488
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	9,250	10,532	27,077
Food product machinery manufacturing	<1	44	50	144

Appendix

Sawmill, woodworking, and paper machinery	<1	5,666	6,179	10,646
Printing machinery and equipment manufacturing	<1	1,127	1,231	2,748
All other industrial machinery manufacturing	<1	919	1,123	2,693
Optical instrument and lens manufacturing	<1	3,780	5,364	12,369
Photographic and photocopying equipment manufacturing	<1	335	428	1,695
Other commercial service industry machinery manufacturing	<1	3,944	5,882	15,415
Air purification and ventilation equipment manufacturing	<1	984	1,282	3,122
Heating equipment (except warm air furnaces) manufacturing	<1	20,413	28,653	86,248
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10,765	17,580	45,478
Industrial mold manufacturing	<1	3,197	3,630	7,396
Special tool, die, jig, and fixture manufacturing	<1	2,212	2,730	5,237
Cutting tool and machine tool accessory manufacturing	<1	3,167	3,518	8,041
Machine tool manufacturing	<1	701	848	2,446
Rolling mill and other metalworking machinery manufacturing	<1	1,875	2,158	4,210
Turbine and turbine generator set units manufacturing	<1	289	359	1,123
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,730	5,224	15,377
Mechanical power transmission equipment manufacturing	<1	12,591	18,333	42,071
Other engine equipment manufacturing	<1	409	779	3,364
Pump and pumping equipment manufacturing	<1	1,153	1,815	4,454
Air and gas compressor manufacturing	<1	9,145	16,243	54,710
Elevator and moving stairway manufacturing	<1	23	30	92
Conveyor and conveying equipment manufacturing	<1	286	318	787
Overhead cranes, hoists, and monorail systems manufacturing	<1	64	105	321
Industrial truck, trailer, and stacker manufacturing	<1	167	251	755

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Power-driven handtool manufacturing	<1	422	940	3,104
Welding and soldering equipment manufacturing	<1	200	269	863
Packaging machinery manufacturing	<1	805	1,070	2,810
Industrial process furnace and oven manufacturing	<1	1,129	1,287	3,081
Fluid power cylinder and actuator manufacturing	<1	1,784	2,362	5,460
Fluid power pump and motor manufacturing	<1	448	646	1,704
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,739	4,416	10,833
Electronic computer manufacturing	<1	109,628	228,632	482,425
Computer storage device manufacturing	<1	40,496	107,172	307,139
Computer terminals and other computer peripheral equipment manufacturing	<1	34,727	61,962	127,746
Telephone apparatus manufacturing	<1	9,510	15,315	37,010
Broadcast and wireless communications equipment manufacturing	<1	1,028	1,657	3,949
Other communications equipment manufacturing	<1	6,066	10,595	28,621
Audio and video equipment manufacturing	<1	16,364	28,788	68,754
Printed circuit assembly (electronic assembly) manufacturing	<1	13,431	25,131	79,401
Bare printed circuit board manufacturing	<1	3,815	5,142	10,406
Semiconductor and related device manufacturing	<1	56,239	99,768	253,274
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	26,775	38,926	72,448
Electronic connector manufacturing	<1	55,368	86,522	153,513
Other electronic component manufacturing	<1	18,077	25,264	66,799
Electromedical and electrotherapeutic apparatus manufacturing	<1	8,137	16,418	29,996
Search, detection, and navigation instruments manufacturing	<1	1,102	2,018	3,722
Automatic environmental control manufacturing	<1	2,986	4,102	7,721

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Industrial process variable instruments manufacturing	<1	17,799	29,132	55,319
Totalizing fluid meter and counting device manufacturing	<1	89	202	401
Electricity and signal testing instruments manufacturing	<1	98,139	161,920	375,697
Analytical laboratory instrument manufacturing	10	1,680,056	3,026,504	5,494,177
Irradiation apparatus manufacturing	<1	786	1,644	3,133
Watch, clock, and other measuring and controlling device manufacturing	<1	3,904	7,645	16,817
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	6,043	8,944	14,726
Electric lamp bulb and part manufacturing	<1	15,746	37,813	56,302
Lighting fixture manufacturing	<1	11,112	18,891	44,610
Small electrical appliance manufacturing	<1	3,085	8,518	20,191
Household cooking appliance manufacturing	<1	2,763	7,709	18,364
Household refrigerator and home freezer manufacturing	<1	3,021	8,812	20,206
Household laundry equipment manufacturing	<1	6,951	14,780	44,732
Other major household appliance manufacturing	<1	1,200	3,759	8,075
Power, distribution, and specialty transformer manufacturing	<1	229	396	727
Motor and generator manufacturing	<1	886	1,824	4,596
Switchgear and switchboard apparatus manufacturing	<1	5,599	11,365	23,020
Relay and industrial control manufacturing	<1	35,665	54,526	94,599
Storage battery manufacturing	<1	7,243	11,870	30,888
Primary battery manufacturing	<1	28,720	88,563	150,952
Fiber optic cable manufacturing	<1	9,011	12,117	45,572
Other communication and energy wire manufacturing	<1	8,149	14,600	45,242
Wiring device manufacturing	<1	16,351	37,671	78,151
Carbon and graphite product manufacturing	<1	5,354	10,808	25,830
All other miscellaneous electrical equipment and component manufacturing	<1	48,489	58,995	142,005
Automobile manufacturing	<1	892	5,822	18,297

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	756	1,310	3,041
Truck trailer manufacturing	<1	11	18	65
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,937	2,378	8,522
Motor vehicle gasoline engine and engine parts manufacturing	<1	337	724	2,988
Motor vehicle electrical and electronic equipment manufacturing	<1	5,060	8,334	23,689
Motor vehicle transmission and power train parts manufacturing	<1	1,920	4,029	10,274
Motor vehicle seating and interior trim manufacturing	<1	306	444	2,261
Motor vehicle metal stamping	<1	4,763	7,082	16,070
Other motor vehicle parts manufacturing	<1	6,717	12,094	41,723
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	22,160	50,601	105,283
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	12,609	15,863	47,881
Other aircraft parts and auxiliary equipment manufacturing	<1	2,734	2,907	8,866
Guided missile and space vehicle manufacturing	<1	67,284	75,023	184,772
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,458	1,681	3,560
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	625	643	1,944
Boat building	<1	14,450	16,317	62,088
Motorcycle, bicycle, and parts manufacturing	<1	811	1,039	6,572
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	414	573	5,156
Wood kitchen cabinet and countertop manufacturing	<1	24,547	31,316	64,798
Upholstered household furniture manufacturing	<1	898	1,008	3,779

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Nonupholstered wood household furniture manufacturing	<1	8,457	9,605	22,902
Other household nonupholstered furniture manufacturing	<1	196	287	1,140
Institutional furniture manufacturing	<1	508	551	1,723
Wood office furniture manufacturing	<1	967	1,241	3,316
Custom architectural woodwork and millwork	<1	2,116	1,985	4,778
Office furniture, except wood, manufacturing	4	301,044	453,609	1,301,860
Showcase, partition, shelving, and locker manufacturing	<1	2,798	3,698	9,488
Mattress manufacturing	<1	2,300	3,726	13,466
Blind and shade manufacturing	<1	283	296	935
Surgical and medical instrument manufacturing	<1	66,989	141,122	220,075
Surgical appliance and supplies manufacturing	<1	53,632	121,852	193,997
Dental equipment and supplies manufacturing	<1	2,386	4,605	8,348
Ophthalmic goods manufacturing	<1	11,673	27,210	45,981
Dental laboratories	<1	10,492	10,973	17,271
Jewelry and silverware manufacturing	<1	21,701	34,626	70,714
Sporting and athletic goods manufacturing	<1	69,479	107,239	197,936
Doll, toy, and game manufacturing	<1	18,352	34,696	80,823
Office supplies (except paper) manufacturing	<1	3,516	5,720	11,748
Sign manufacturing	<1	23,777	23,367	41,922
Gasket, packing, and sealing device manufacturing	<1	21,353	28,902	51,822
Musical instrument manufacturing	<1	7,998	8,919	15,762
Fasteners, buttons, needles, and pins manufacturing	<1	2,283	3,327	6,911
Broom, brush, and mop manufacturing	<1	4,884	8,997	19,524
Burial casket manufacturing	<1	7,186	9,673	17,621
All other miscellaneous manufacturing	<1	26,279	37,736	77,922
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	173,906	342,453	782,207
Wholesale - Professional and commercial equipment and supplies	7	1,078,263	1,621,720	2,533,774

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Wholesale - Household appliances and electrical and electronic goods	3	479,428	937,183	1,768,041
Wholesale - Machinery, equipment, and supplies	3	331,235	551,247	915,240
Wholesale - Other durable goods merchant wholesalers	9	854,547	1,321,835	2,373,525
Wholesale - Drugs and druggists' sundries	3	654,700	1,582,671	2,681,603
Wholesale - Grocery and related product wholesalers	9	784,286	989,737	1,868,852
Wholesale - Petroleum and petroleum products	<1	71,917	920,966	1,040,344
Wholesale - Other nondurable goods merchant wholesalers	13	1,301,529	2,413,816	4,137,204
Wholesale - Wholesale electronic markets and agents and brokers	7	895,630	921,821	1,046,419
Retail - Motor vehicle and parts dealers	9	601,899	747,125	1,125,535
Retail - Furniture and home furnishings stores	7	375,228	445,280	706,003
Retail - Electronics and appliance stores	6	358,654	303,006	519,771
Retail - Building material and garden equipment and supplies stores	8	420,870	564,199	861,808
Retail - Food and beverage stores	38	1,312,141	1,518,833	2,595,370
Retail - Health and personal care stores	15	794,840	878,607	1,337,386
Retail - Gasoline stores	6	190,889	256,226	530,018
Retail - Clothing and clothing accessories stores	16	589,890	711,473	1,482,561
Retail - Sporting goods, hobby, musical instrument and book stores	9	355,353	416,035	632,964
Retail - General merchandise stores	22	702,346	856,709	1,512,844
Retail - Miscellaneous store retailers	19	620,966	644,361	1,019,299
Retail - Nonstore retailers	22	1,378,653	2,892,160	4,610,817
Air transportation	6	599,511	1,510,088	2,549,902
Rail transportation	2	164,732	232,261	604,136
Water transportation	<1	88,468	120,757	483,793
Truck transportation	10	824,868	967,106	1,743,609
Transit and ground passenger transportation	41	967,032	1,277,650	1,674,538
Pipeline transportation	<1	65,451	137,656	162,448
Scenic and sightseeing transportation and support activities for transportation	11	670,157	711,982	1,568,965

Appendix

Couriers and messengers	12	463,983	555,939	1,002,179
Warehousing and storage	9	487,038	534,836	929,666
Newspaper publishers	2	174,132	293,735	353,596
Periodical publishers	2	263,204	412,444	542,942
Book publishers	1	176,011	523,260	750,572
Directory, mailing list, and other publishers	1	114,787	309,269	413,173
Greeting card publishing	<1	7,265	19,516	27,868
Software publishers	19	4,078,664	9,075,416	9,620,345
Motion picture and video industries	5	333,273	570,953	1,246,865
Sound recording industries	<1	25,519	143,383	250,323
Radio and television broadcasting	3	393,685	470,002	1,311,768
Cable and other subscription programming	1	112,056	629,593	1,851,701
Wired telecommunications carriers	6	804,141	1,445,756	2,633,728
Wireless telecommunications carriers (except satellite)	2	241,769	1,260,338	3,536,489
Satellite, telecommunications resellers, and all other telecommunications	7	1,141,114	1,386,055	3,215,283
Data processing, hosting, and related services	18	2,832,089	4,603,854	10,147,536
News syndicates, libraries, archives and all other information services	2	168,827	260,575	501,637
Internet publishing and broadcasting and web search portals	8	2,238,903	4,303,192	10,469,316
Nondepository credit intermediation and related activities	5	880,209	1,127,811	1,577,766
Securities and commodity contracts intermediation and brokerage	13	3,045,889	2,373,680	2,972,194
Monetary authorities and depository credit intermediation	29	4,170,173	11,790,315	16,232,675
Other financial investment activities	22	4,481,935	4,947,157	7,252,982
Direct life insurance carriers	6	1,116,083	1,836,421	2,288,853
Insurance carriers, except direct life	17	2,123,882	5,433,796	10,602,367
Insurance agencies, brokerages, and related activities	18	2,072,798	2,969,889	5,864,190
Funds, trusts, and other financial vehicles	5	463,740	1,276,800	2,556,269
Other real estate	159	4,521,430	15,979,134	34,621,255
Tenant-occupied housing	11	299,807	5,690,820	6,191,679

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Owner-occupied dwellings	0	0	16,435,399	20,864,015
Automotive equipment rental and leasing	4	208,534	541,945	830,764
General and consumer goods rental except video tapes and discs	4	220,983	272,375	485,824
Video tape and disc rental	1	57,517	82,654	132,828
Commercial and industrial machinery and equipment rental and leasing	3	317,021	703,317	1,025,192
Lessors of nonfinancial intangible assets	<1	61,983	1,025,971	1,201,447
Legal services	38	5,076,364	8,072,027	10,156,445
Accounting, tax preparation, bookkeeping, and payroll services	17	1,869,975	3,024,566	3,780,550
Architectural, engineering, and related services	22	2,487,045	2,955,823	4,444,866
Specialized design services	3	259,621	542,849	693,820
Custom computer programming services	10	1,587,634	1,602,140	2,003,654
Computer systems design services	9	1,353,302	1,257,127	1,496,144
Other computer related services, including facilities management	4	630,746	956,319	1,432,880
Management consulting services	58	8,472,655	8,996,990	12,035,324
Environmental and other technical consulting services	7	928,316	1,004,588	1,316,685
Scientific research and development services	655	94,341,216	110,274,010	180,906,434
Advertising, public relations, and related services	16	1,730,837	2,831,880	4,014,655
Photographic services	<1	41,088	147,189	218,179
Veterinary services	3	209,578	304,844	420,385
Marketing research and all other miscellaneous professional, scientific, and technical services	11	1,406,405	3,542,586	4,719,635
Management of companies and enterprises	52	8,634,057	9,790,858	14,469,078
Office administrative services	10	1,098,161	366,362	774,080
Facilities support services	<1	67,873	92,266	175,628
Employment services	76	4,548,352	6,068,406	8,266,813
Business support services	10	651,169	526,559	827,002
Travel arrangement and reservation services	6	485,592	591,654	1,129,639
Investigation and security services	14	634,379	610,329	852,911
Services to buildings	25	1,040,792	1,319,479	2,250,157
Landscape and horticultural services	26	1,391,591	1,604,670	2,556,177

Appendix

Other support services	5	343,195	411,299	684,258
Waste management and remediation services	6	556,310	926,461	1,550,077
Elementary and secondary schools	16	1,016,923	809,503	920,242
Junior colleges, colleges, universities, and professional schools	449	28,677,329	36,660,962	45,837,475
Other educational services	19	913,254	1,014,546	1,787,206
Offices of physicians	40	5,045,019	5,241,671	7,056,033
Offices of dentists	14	1,088,692	1,312,149	1,804,816
Offices of other health practitioners	12	702,007	957,735	1,275,856
Outpatient care centers	17	1,380,451	1,248,376	2,058,303
Medical and diagnostic laboratories	4	371,120	503,141	695,506
Home health care services	26	1,337,107	1,270,684	1,598,759
Other ambulatory health care services	5	337,870	370,004	585,568
Hospitals	93	9,250,715	10,732,755	18,990,031
Nursing and community care facilities	27	1,321,784	1,443,226	2,366,753
Residential mental retardation, mental health, substance abuse and other facilities	14	676,169	716,306	1,070,687
Individual and family services	63	2,194,364	1,910,570	2,701,461
Child day care services	16	620,155	935,484	1,169,084
Community food, housing, and other relief services, including rehabilitation services	12	534,043	528,600	1,016,596
Performing arts companies	6	263,814	380,924	563,251
Commercial Sports Except Racing	12	722,582	663,795	864,861
Racing and Track Operation	1	62,165	88,424	125,147
Independent artists, writers, and performers	4	225,055	721,379	889,008
Promoters of performing arts and sports and agents for public figures	8	302,824	560,086	924,682
Museums, historical sites, zoos, and parks	3	155,810	205,550	324,431
Amusement parks and arcades	1	46,317	112,634	138,824
Gambling industries (except casino hotels)	5	258,735	538,942	807,086
Other amusement and recreation industries	10	423,580	458,350	721,227
Fitness and recreational sports centers	10	308,652	424,434	649,950
Bowling centers	1	35,810	60,020	89,176

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Hotels and motels, including casino hotels	18	953,276	1,759,827	2,464,589
Other accommodations	7	412,029	543,453	692,433
Full-service restaurants	74	2,451,895	3,634,186	5,652,271
Limited-service restaurants	41	1,152,142	1,833,960	3,509,497
All other food and drinking places	43	1,632,225	2,293,509	3,238,388
Automotive repair and maintenance, except car washes	21	1,440,422	1,221,509	1,871,564
Car washes	10	599,792	747,184	1,142,104
Electronic and precision equipment repair and maintenance	7	649,738	737,101	1,080,352
Commercial and industrial machinery and equipment repair and maintenance	5	548,704	413,490	607,364
Personal and household goods repair and maintenance	3	202,761	331,483	457,346
Personal care services	24	884,208	680,944	901,015
Death care services	3	159,369	61,367	97,300
Dry-cleaning and laundry services	10	411,057	140,303	218,536
Other personal services	13	525,982	614,536	855,303
Religious organizations	20	1,258,867	432,564	1,660,705
Grantmaking, giving, and social advocacy organizations	8	592,765	1,619,194	2,437,982
Business and professional associations	4	381,707	591,393	955,048
Labor and civic organizations	15	408,364	1,003,255	1,950,777
Private households	16	286,013	285,969	285,969
Postal service	8	737,505	737,928	782,671
Federal electric utilities	0	0	0	0
Other federal government enterprises	78	5,390,412	11,187,663	31,588,988
State government passenger transit	2	280,060	-178,664	180,947
State government electric utilities	0	0	0	0
Other state government enterprises	1	166,447	89,620	209,900
Local government passenger transit	<1	3,991	-4,392	2,043
Local government electric utilities	<1	96,865	230,521	436,042
Other local government enterprises	3	271,620	17,481	426,891
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	15	2,536,031	3,218,126	7,362,197

Moon to Mars Campaign

Table 689: Detailed M2M Campaign Impacts by Types of Impact, Massachusetts

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>84</i>	<i>8,145,334</i>	<i>12,352,996</i>	<i>18,849,071</i>
Oilseed farming	<1	-1	<1	20
Grain farming	<1	16	51	264
Vegetable and melon farming	<1	410	875	1,896
Fruit farming	<1	588	1,332	2,336
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	561	795	1,366
Tobacco farming	<1	78	82	151
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	132	181	360
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	<1	65	307
Dairy cattle and milk production	<1	36	126	792
Poultry and egg production	<1	26	67	360
Animal production, except cattle and poultry and eggs	<1	141	1,066	2,318
Forestry, forest products, and timber tract production	<1	353	353	395
Commercial logging	<1	465	449	544
Commercial fishing	<1	5,090	2,649	2,854
Commercial hunting and trapping	<1	6	<1	2
Support activities for agriculture and forestry	<1	2,167	1,807	2,426
Oil and gas extraction	<1	544	-4	5,482

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	258	650	1,262
Sand and gravel mining	<1	349	623	1,214
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	38	62	112
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	7	<1	86
Other nonmetallic minerals services	<1	<1	<1	6
Electric power generation - Hydroelectric	<1	271	670	1,306
Electric power generation - Fossil fuel	<1	9,228	26,150	60,065
Electric power generation - Nuclear	<1	2,156	3,632	5,015
Electric power generation - Solar	<1	481	1,381	2,011
Electric power generation - Wind	<1	102	671	1,172
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	195	127	218
Electric power transmission and distribution	<1	13,913	38,992	81,601
Natural gas distribution	<1	14,638	36,203	66,398
Water, sewage and other systems	<1	1,263	2,125	3,278
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	20,857	23,398	51,775
Maintenance and repair construction of residential structures	<1	10,631	12,085	26,252
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	12	13	29
Dog and cat food manufacturing	<1	37	99	813
Other animal food manufacturing	<1	580	1,122	5,983
Flour milling	<1	219	339	1,824
Rice milling	0	0	0	0
Malt manufacturing	<1	80	122	762
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	187	695	6,864
Fats and oils refining and blending	<1	47	79	703
Breakfast cereal manufacturing	<1	986	1,886	6,196
Beet sugar manufacturing	<1	895	1,373	6,293
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	178	243	1,244
Chocolate and confectionery manufacturing from cacao beans	<1	46	64	420
Confectionery manufacturing from purchased chocolate	<1	207	267	2,082
Frozen fruits, juices and vegetables manufacturing	<1	309	498	1,928
Frozen specialties manufacturing	<1	1,062	1,319	5,201
Canned fruits and vegetables manufacturing	<1	280	461	2,093

Appendix

Canned specialties	<1	24	45	242
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	47	61	659
Dry, condensed, and evaporated dairy product manufacturing	<1	292	553	3,710
Fluid milk manufacturing	<1	1,285	1,797	12,472
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	392	508	2,510
Frozen cakes and other pastries manufacturing	<1	1,840	2,221	4,264
Poultry processing	<1	202	243	962
Animal, except poultry, slaughtering	<1	345	436	3,309
Meat processed from carcasses	<1	3,581	3,428	23,133
Rendering and meat byproduct processing	<1	142	154	674
Seafood product preparation and packaging	<1	3,064	3,659	15,648
Bread and bakery product, except frozen, manufacturing	<1	6,842	8,512	21,268
Cookie and cracker manufacturing	<1	499	671	2,480
Dry pasta, mixes, and dough manufacturing	<1	574	1,000	4,116
Tortilla manufacturing	<1	237	275	1,097
Roasted nuts and peanut butter manufacturing	<1	647	1,161	3,577
Other snack food manufacturing	<1	635	969	3,947
Coffee and tea manufacturing	<1	270	418	2,280
Flavoring syrup and concentrate manufacturing	<1	28	137	370
Mayonnaise, dressing, and sauce manufacturing	<1	626	971	4,224
Spice and extract manufacturing	<1	72	105	426
All other food manufacturing	<1	1,429	1,863	8,390
Bottled and canned soft drinks & water	<1	2,197	3,168	14,180
Manufactured ice	<1	141	55	277
Breweries	<1	3,063	5,946	15,888
Wineries	<1	351	524	2,246
Distilleries	<1	92	573	1,318
Tobacco product manufacturing	<1	16	480	801
Fiber, yarn, and thread mills	<1	75	116	483
Broadwoven fabric mills	<1	65	104	358
Narrow fabric mills and schiffli machine embroidery	<1	105	113	245

Appendix

Nonwoven fabric mills	<1	171	270	950
Knit fabric mills	<1	41	49	106
Textile and fabric finishing mills	<1	220	262	793
Fabric coating mills	<1	1,443	1,701	5,813
Carpet and rug mills	<1	28	50	204
Curtain and linen mills	<1	208	258	732
Textile bag and canvas mills	<1	228	264	658
Rope, cordage, twine, tire cord and tire fabric mills	<1	76	107	288
Other textile product mills	<1	168	196	492
Hosiery and sock mills	<1	14	19	41
Other apparel knitting mills	<1	18	23	54
Cut and sew apparel contractors	<1	275	306	613
Mens and boys cut and sew apparel manufacturing	<1	434	625	1,396
Womens and girls cut and sew apparel manufacturing	<1	51	97	306
Other cut and sew apparel manufacturing	<1	68	112	279
Apparel accessories and other apparel manufacturing	<1	66	109	214
Leather and hide tanning and finishing	<1	17	34	76
Footwear manufacturing	<1	970	1,137	1,768
Other leather and allied product manufacturing	<1	66	73	131
Sawmills	<1	63	68	369
Wood preservation	<1	37	45	337
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	114	118	429
Reconstituted wood product manufacturing	<1	12	15	120
Wood windows and door manufacturing	<1	1,189	1,245	3,629
Cut stock, resawing lumber, and planing	<1	15	15	60
Other millwork, including flooring	<1	502	520	1,520
Wood container and pallet manufacturing	<1	590	605	1,629
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	23	24	72
All other miscellaneous wood product manufacturing	<1	180	188	681
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	3,105	2,600	13,777
Paperboard mills	<1	345	327	1,566
Paperboard container manufacturing	<1	4,031	4,158	18,750
Paper bag and coated and treated paper manufacturing	<1	3,327	3,200	13,298
Stationery product manufacturing	<1	558	577	2,223
Sanitary paper product manufacturing	<1	280	238	1,297
All other converted paper product manufacturing	<1	402	412	1,320
Printing	<1	15,684	24,409	40,400
Support activities for printing	<1	2,326	3,275	4,411
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	376	608	1,588
Asphalt shingle and coating materials manufacturing	<1	67	245	444
Petroleum lubricating oil and grease manufacturing	<1	792	2,869	5,111
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	169	538	1,252
Synthetic dye and pigment manufacturing	<1	76	228	684
Other basic inorganic chemical manufacturing	<1	614	2,074	4,307
Other basic organic chemical manufacturing	<1	525	1,498	7,524
Plastics material and resin manufacturing	<1	1,601	3,557	16,863
Synthetic rubber manufacturing	<1	50	101	585
Artificial and synthetic fibers and filaments manufacturing	<1	25	42	138
Nitrogenous fertilizer manufacturing	<1	159	599	1,587
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	16	47	118
Pesticide and other agricultural chemical manufacturing	<1	84	381	1,329
Medicinal and botanical manufacturing	<1	221	533	1,000
Pharmaceutical preparation manufacturing	<1	6,620	36,540	67,370
In-vitro diagnostic substance manufacturing	<1	1,754	3,325	6,454

Appendix

Biological product (except diagnostic) manufacturing	<1	1,425	4,502	6,440
Paint and coating manufacturing	<1	875	2,505	6,837
Adhesive manufacturing	<1	1,011	2,333	5,285
Soap and other detergent manufacturing	<1	321	1,742	4,528
Polish and other sanitation good manufacturing	<1	614	1,294	3,107
Surface active agent manufacturing	<1	28	163	450
Toilet preparation manufacturing	<1	36	198	390
Printing ink manufacturing	<1	476	544	1,763
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	2,169	6,316	14,353
Photographic film and chemical manufacturing	<1	237	819	2,224
Other miscellaneous chemical product manufacturing	<1	588	1,378	3,816
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,008	3,049	10,370
Unlaminated plastics profile shape manufacturing	<1	292	570	1,823
Plastics pipe and pipe fitting manufacturing	<1	140	327	1,046
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	97	163	504
Polystyrene foam product manufacturing	<1	541	845	2,703
Urethane and other foam product (except polystyrene) manufacturing	<1	692	1,033	3,204
Plastics bottle manufacturing	<1	118	178	775
Other plastics product manufacturing	<1	7,168	9,856	27,125
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	12	17	43
Other rubber product manufacturing	<1	1,383	1,845	5,719
Pottery, ceramics, and plumbing fixture manufacturing	<1	182	225	529
Brick, tile, and other structural clay product manufacturing	<1	385	535	1,177
Flat glass manufacturing	<1	57	89	257
Other pressed and blown glass and glassware manufacturing	<1	785	1,111	3,025
Glass container manufacturing	<1	59	80	231

Appendix

Glass product manufacturing made of purchased glass	<1	294	416	1,206
Cement manufacturing	<1	72	127	356
Ready-mix concrete manufacturing	<1	594	830	2,613
Concrete block and brick manufacturing	<1	209	299	820
Concrete pipe manufacturing	<1	10	15	40
Other concrete product manufacturing	<1	401	492	1,268
Lime manufacturing	<1	38	70	205
Gypsum product manufacturing	<1	13	25	112
Abrasive product manufacturing	<1	505	963	1,813
Cut stone and stone product manufacturing	<1	244	273	567
Ground or treated mineral and earth manufacturing	<1	36	73	181
Mineral wool manufacturing	<1	52	90	222
Miscellaneous nonmetallic mineral products manufacturing	<1	19	37	96
Iron and steel mills and ferroalloy manufacturing	<1	28	41	343
Iron, steel pipe and tube manufacturing from purchased steel	<1	137	183	1,066
Rolled steel shape manufacturing	<1	496	770	4,606
Steel wire drawing	<1	97	115	467
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	57	89	569
Other aluminum rolling, drawing and extruding	<1	63	78	487
Nonferrous metal (exc aluminum) smelting and refining	<1	20	50	266
Copper rolling, drawing, extruding and alloying	<1	773	996	8,081
Nonferrous metal, except copper and aluminum, shaping	<1	33	37	187
Secondary processing of other nonferrous metals	<1	62	71	461
Ferrous metal foundries	<1	285	343	909
Nonferrous metal foundries	<1	457	555	1,511
Custom roll forming	<1	84	173	550
Crown and closure manufacturing and metal stamping	<1	1,175	1,695	3,826
Iron and steel forging	<1	339	691	1,900

Appendix

Nonferrous forging	<1	471	813	1,901
Cutlery, utensil, pot, and pan manufacturing	<1	1,988	7,430	11,188
Handtool manufacturing	<1	3,433	6,878	10,114
Prefabricated metal buildings and components manufacturing	<1	13	22	71
Fabricated structural metal manufacturing	<1	317	555	1,292
Plate work manufacturing	<1	205	243	625
Metal window and door manufacturing	<1	249	395	877
Sheet metal work manufacturing	<1	3,219	4,915	10,123
Ornamental and architectural metal work manufacturing	<1	723	1,070	2,227
Power boiler and heat exchanger manufacturing	<1	49	83	188
Metal tank (heavy gauge) manufacturing	<1	134	193	441
Metal cans manufacturing	<1	68	211	752
Metal barrels, drums and pails manufacturing	<1	44	63	215
Hardware manufacturing	<1	117	227	657
Spring and wire product manufacturing	<1	493	772	2,176
Machine shops	<1	6,741	9,277	16,533
Turned product and screw, nut, and bolt manufacturing	<1	3,435	5,994	12,765
Metal heat treating	<1	696	1,207	2,617
Metal coating and nonprecious engraving	<1	2,650	5,861	11,341
Electroplating, anodizing, and coloring metal	<1	2,264	2,799	5,686
Valve and fittings, other than plumbing, manufacturing	<1	663	1,306	2,497
Plumbing fixture fitting and trim manufacturing	<1	328	1,261	2,661
Ball and roller bearing manufacturing	<1	88	197	343
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	28	38	61
Small arms, ordnance, and accessories manufacturing	<1	1,159	2,848	5,268
Fabricated pipe and pipe fitting manufacturing	<1	60	84	162
Other fabricated metal manufacturing	<1	3,452	5,312	11,789
Farm machinery and equipment manufacturing	0	0	0	0

Appendix

Lawn and garden equipment manufacturing	<1	55	94	430
Construction machinery manufacturing	<1	4	8	25
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	382	437	1,100
Food product machinery manufacturing	<1	1	2	5
Sawmill, woodworking, and paper machinery	<1	117	130	218
Printing machinery and equipment manufacturing	<1	37	41	87
All other industrial machinery manufacturing	<1	65	80	190
Optical instrument and lens manufacturing	<1	54	71	202
Photographic and photocopying equipment manufacturing	<1	15	20	76
Other commercial service industry machinery manufacturing	<1	156	239	602
Air purification and ventilation equipment manufacturing	<1	25	34	83
Heating equipment (except warm air furnaces) manufacturing	<1	569	842	2,290
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	321	542	1,344
Industrial mold manufacturing	<1	94	109	218
Special tool, die, jig, and fixture manufacturing	<1	101	129	239
Cutting tool and machine tool accessory manufacturing	<1	141	159	360
Machine tool manufacturing	<1	126	157	453
Rolling mill and other metalworking machinery manufacturing	<1	123	143	275
Turbine and turbine generator set units manufacturing	<1	7	9	26
Speed changer, industrial high-speed drive, and gear manufacturing	<1	112	162	446
Mechanical power transmission equipment manufacturing	<1	298	443	993
Other engine equipment manufacturing	<1	18	36	132

Appendix

Pump and pumping equipment manufacturing	<1	39	62	150
Air and gas compressor manufacturing	<1	5,420	11,174	43,053
Elevator and moving stairway manufacturing	<1	<1	<1	3
Conveyor and conveying equipment manufacturing	<1	8	9	21
Overhead cranes, hoists, and monorail systems manufacturing	<1	3	5	15
Industrial truck, trailer, and stacker manufacturing	<1	5	7	21
Power-driven handtool manufacturing	<1	26	58	176
Welding and soldering equipment manufacturing	<1	8	12	33
Packaging machinery manufacturing	<1	34	46	117
Industrial process furnace and oven manufacturing	<1	46	53	124
Fluid power cylinder and actuator manufacturing	<1	67	89	208
Fluid power pump and motor manufacturing	<1	64	94	239
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	170	204	483
Electronic computer manufacturing	<1	231	513	1,196
Computer storage device manufacturing	<1	1,334	3,548	10,180
Computer terminals and other computer peripheral equipment manufacturing	<1	117	202	497
Telephone apparatus manufacturing	<1	186	298	719
Broadcast and wireless communications equipment manufacturing	<1	69	112	260
Other communications equipment manufacturing	<1	242	416	1,151
Audio and video equipment manufacturing	<1	638	1,116	2,603
Printed circuit assembly (electronic assembly) manufacturing	<1	1,323	2,530	7,816
Bare printed circuit board manufacturing	<1	293	394	830
Semiconductor and related device manufacturing	<1	4,339	7,669	18,380

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,908	2,807	5,156
Electronic connector manufacturing	<1	1,930	3,016	5,405
Other electronic component manufacturing	<1	1,346	1,884	4,847
Electromedical and electrotherapeutic apparatus manufacturing	<1	264	528	949
Search, detection, and navigation instruments manufacturing	<1	386	701	1,218
Automatic environmental control manufacturing	<1	105	144	275
Industrial process variable instruments manufacturing	<1	977	1,599	3,013
Totalizing fluid meter and counting device manufacturing	<1	2	5	11
Electricity and signal testing instruments manufacturing	<1	11,858	19,570	44,985
Analytical laboratory instrument manufacturing	1	169,504	305,096	539,318
Irradiation apparatus manufacturing	<1	26	55	103
Watch, clock, and other measuring and controlling device manufacturing	<1	178	347	763
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	188	279	416
Electric lamp bulb and part manufacturing	<1	527	1,319	1,882
Lighting fixture manufacturing	<1	402	667	1,555
Small electrical appliance manufacturing	<1	110	317	716
Household cooking appliance manufacturing	<1	68	207	476
Household refrigerator and home freezer manufacturing	<1	75	239	526
Household laundry equipment manufacturing	<1	172	390	1,150
Other major household appliance manufacturing	<1	33	116	237
Power, distribution, and specialty transformer manufacturing	<1	14	24	42
Motor and generator manufacturing	<1	44	89	226
Switchgear and switchboard apparatus manufacturing	<1	185	378	750

Appendix

Relay and industrial control manufacturing	<1	3,284	5,110	8,590
Storage battery manufacturing	<1	219	349	890
Primary battery manufacturing	<1	827	3,453	4,262
Fiber optic cable manufacturing	<1	299	403	1,446
Other communication and energy wire manufacturing	<1	371	662	2,011
Wiring device manufacturing	<1	1,304	3,043	5,956
Carbon and graphite product manufacturing	<1	103	212	503
All other miscellaneous electrical equipment and component manufacturing	<1	47	58	148
Automobile manufacturing	<1	20	129	402
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	17	29	70
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	39	48	171
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	17	74
Motor vehicle electrical and electronic equipment manufacturing	<1	112	181	480
Motor vehicle transmission and power train parts manufacturing	<1	66	135	309
Motor vehicle seating and interior trim manufacturing	<1	7	11	53
Motor vehicle metal stamping	<1	65	98	219
Other motor vehicle parts manufacturing	<1	179	297	1,107
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	577	1,314	2,676
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	2,197	2,149	7,647
Other aircraft parts and auxiliary equipment manufacturing	<1	18	18	52
Guided missile and space vehicle manufacturing	<1	274	277	756
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	158	155	375

Appendix

Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	16	17	51
Boat building	<1	316	354	1,356
Motorcycle, bicycle, and parts manufacturing	<1	25	33	201
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	12	17	146
Wood kitchen cabinet and countertop manufacturing	<1	611	722	1,528
Upholstered household furniture manufacturing	<1	30	34	127
Nonupholstered wood household furniture manufacturing	<1	210	233	555
Other household nonupholstered furniture manufacturing	<1	6	8	33
Institutional furniture manufacturing	<1	11	11	35
Wood office furniture manufacturing	<1	<1	1	3
Custom architectural woodwork and millwork	<1	61	57	134
Office furniture, except wood, manufacturing	<1	83	116	357
Showcase, partition, shelving, and locker manufacturing	<1	58	71	187
Mattress manufacturing	<1	62	94	348
Blind and shade manufacturing	<1	7	7	23
Surgical and medical instrument manufacturing	<1	1,944	4,075	6,062
Surgical appliance and supplies manufacturing	<1	1,712	3,981	6,057
Dental equipment and supplies manufacturing	<1	73	140	246
Ophthalmic goods manufacturing	<1	351	842	1,378
Dental laboratories	<1	322	337	527
Jewelry and silverware manufacturing	<1	544	874	1,770
Sporting and athletic goods manufacturing	<1	1,785	2,754	4,854
Doll, toy, and game manufacturing	<1	512	1,016	2,257
Office supplies (except paper) manufacturing	<1	123	202	392
Sign manufacturing	<1	544	543	964
Gasket, packing, and sealing device manufacturing	<1	518	697	1,231

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Musical instrument manufacturing	<1	321	372	629
Fasteners, buttons, needles, and pins manufacturing	<1	67	101	209
Broom, brush, and mop manufacturing	<1	155	350	620
Burial casket manufacturing	<1	128	175	305
All other miscellaneous manufacturing	<1	761	1,106	2,211
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,709	9,381	21,378
Wholesale - Professional and commercial equipment and supplies	<1	31,853	47,887	74,233
Wholesale - Household appliances and electrical and electronic goods	<1	19,585	38,008	71,143
Wholesale - Machinery, equipment, and supplies	<1	8,893	14,786	24,495
Wholesale - Other durable goods merchant wholesalers	<1	22,914	35,590	63,603
Wholesale - Drugs and druggists' sundries	<1	17,370	42,017	69,914
Wholesale - Grocery and related product wholesalers	<1	18,687	23,574	44,318
Wholesale - Petroleum and petroleum products	<1	1,607	24,723	27,384
Wholesale - Other nondurable goods merchant wholesalers	<1	32,194	61,991	103,782
Wholesale - Wholesale electronic markets and agents and brokers	<1	18,843	19,403	21,959
Retail - Motor vehicle and parts dealers	<1	15,221	18,902	28,299
Retail - Furniture and home furnishings stores	<1	9,774	11,601	18,222
Retail - Electronics and appliance stores	<1	9,256	7,935	13,367
Retail - Building material and garden equipment and supplies stores	<1	10,613	14,264	21,685
Retail - Food and beverage stores	<1	35,880	41,296	69,681
Retail - Health and personal care stores	<1	20,242	22,487	34,200
Retail - Gasoline stores	<1	5,146	6,701	13,474
Retail - Clothing and clothing accessories stores	<1	15,747	18,845	38,524
Retail - Sporting goods, hobby, musical instrument and book stores	<1	9,116	10,697	16,073
Retail - General merchandise stores	<1	17,476	21,432	37,818

Appendix

Retail - Miscellaneous store retailers	<1	16,332	16,924	26,235
Retail - Nonstore retailers	<1	34,980	77,905	122,588
Air transportation	<1	15,442	39,887	66,360
Rail transportation	<1	4,339	5,288	14,596
Water transportation	<1	2,432	3,358	12,953
Truck transportation	<1	32,925	38,333	68,915
Transit and ground passenger transportation	1	32,140	42,341	53,392
Pipeline transportation	<1	1,007	2,307	2,784
Scenic and sightseeing transportation and support activities for transportation	<1	16,482	17,582	39,080
Couriers and messengers	<1	14,304	17,521	31,536
Warehousing and storage	<1	15,720	17,307	29,913
Newspaper publishers	<1	4,670	7,910	9,379
Periodical publishers	<1	8,645	13,648	17,119
Book publishers	<1	4,792	14,279	20,226
Directory, mailing list, and other publishers	<1	986	2,761	3,661
Greeting card publishing	<1	172	495	670
Software publishers	4	896,890	1,998,710	2,105,299
Motion picture and video industries	<1	10,396	17,726	34,787
Sound recording industries	<1	897	5,154	8,426
Radio and television broadcasting	<1	14,880	16,844	37,890
Cable and other subscription programming	<1	6,155	24,248	59,827
Wired telecommunications carriers	<1	19,601	34,061	61,372
Wireless telecommunications carriers (except satellite)	<1	6,781	36,147	99,219
Satellite, telecommunications resellers, and all other telecommunications	<1	7,937	9,451	22,023
Data processing, hosting, and related services	<1	159,590	256,741	495,486
News syndicates, libraries, archives and all other information services	<1	3,929	6,233	11,395
Internet publishing and broadcasting and web search portals	<1	72,942	140,328	286,829
Nondepository credit intermediation and related activities	<1	23,386	30,058	40,663
Securities and commodity contracts intermediation and brokerage	<1	84,990	65,003	74,482

Appendix

Monetary authorities and depository credit intermediation	<1	98,505	280,141	380,259
Other financial investment activities	<1	142,679	153,639	201,471
Direct life insurance carriers	<1	25,597	43,989	53,366
Insurance carriers, except direct life	<1	53,311	144,255	268,033
Insurance agencies, brokerages, and related activities	<1	36,451	54,096	102,569
Funds, trusts, and other financial vehicles	<1	13,779	38,968	66,792
Other real estate	4	116,087	394,823	800,948
Tenant-occupied housing	<1	8,279	161,770	172,752
Owner-occupied dwellings	0	0	460,122	584,105
Automotive equipment rental and leasing	<1	6,180	13,620	19,976
General and consumer goods rental except video tapes and discs	<1	6,132	7,164	12,201
Video tape and disc rental	<1	1,483	2,110	3,379
Commercial and industrial machinery and equipment rental and leasing	<1	7,732	15,656	22,392
Lessors of nonfinancial intangible assets	<1	1,814	30,827	35,870
Legal services	<1	113,447	183,294	227,234
Accounting, tax preparation, bookkeeping, and payroll services	<1	49,588	82,505	100,383
Architectural, engineering, and related services	<1	47,267	56,955	84,489
Specialized design services	<1	4,574	9,856	12,314
Custom computer programming services	<1	55,737	55,705	68,366
Computer systems design services	<1	38,936	36,232	42,599
Other computer related services, including facilities management	<1	18,840	28,315	41,528
Management consulting services	1	176,861	188,976	246,304
Environmental and other technical consulting services	<1	25,875	28,317	36,648
Scientific research and development services	12	1,843,744	2,136,649	3,416,472
Advertising, public relations, and related services	<1	51,124	85,451	115,870
Photographic services	<1	972	3,732	5,278
Veterinary services	<1	5,384	8,026	10,828
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	26,127	68,007	88,305

Appendix

Management of companies and enterprises	1	235,777	268,951	390,445
Office administrative services	<1	37,498	13,387	26,049
Facilities support services	<1	1,945	2,660	4,752
Employment services	2	118,374	160,853	210,645
Business support services	<1	11,186	9,192	13,938
Travel arrangement and reservation services	<1	11,343	13,903	26,363
Investigation and security services	<1	18,231	17,641	23,917
Services to buildings	<1	27,232	35,097	57,504
Landscape and horticultural services	<1	19,958	23,207	36,143
Other support services	<1	7,179	8,676	14,148
Waste management and remediation services	<1	13,671	22,740	37,671
Elementary and secondary schools	<1	32,330	25,774	28,943
Junior colleges, colleges, universities, and professional schools	10	653,689	823,341	1,024,641
Other educational services	4	188,923	212,470	370,667
Offices of physicians	1	131,681	137,460	184,967
Offices of dentists	<1	28,781	35,221	47,955
Offices of other health practitioners	<1	18,109	25,268	33,367
Outpatient care centers	<1	37,020	33,702	56,123
Medical and diagnostic laboratories	<1	9,995	13,849	18,868
Home health care services	<1	35,207	33,612	42,591
Other ambulatory health care services	<1	8,988	9,929	15,585
Hospitals	3	272,560	313,947	552,650
Nursing and community care facilities	<1	36,219	39,582	63,675
Residential mental retardation, mental health, substance abuse and other facilities	<1	20,325	21,575	31,746
Individual and family services	2	60,978	53,593	74,994
Child day care services	<1	17,192	26,272	32,298
Community food, housing, and other relief services, including rehabilitation services	<1	15,965	15,859	29,858
Performing arts companies	<1	8,072	11,464	15,857
Commercial Sports Except Racing	<1	20,609	18,310	23,568
Racing and Track Operation	<1	1,795	2,557	3,282
Independent artists, writers, and performers	<1	6,979	20,756	25,048

Appendix

Promoters of performing arts and sports and agents for public figures	<1	8,735	15,726	24,631
Museums, historical sites, zoos, and parks	<1	4,153	5,472	8,498
Amusement parks and arcades	<1	1,370	2,989	3,683
Gambling industries (except casino hotels)	<1	7,236	14,690	21,716
Other amusement and recreation industries	<1	11,015	11,438	17,816
Fitness and recreational sports centers	<1	8,763	11,469	17,373
Bowling centers	<1	929	1,513	2,224
Hotels and motels, including casino hotels	<1	29,873	54,267	75,092
Other accommodations	<1	13,526	17,722	22,304
Full-service restaurants	2	64,585	96,766	147,704
Limited-service restaurants	1	30,706	49,242	91,770
All other food and drinking places	1	42,661	59,955	82,911
Automotive repair and maintenance, except car washes	<1	40,221	32,972	50,481
Car washes	<1	16,200	20,080	30,527
Electronic and precision equipment repair and maintenance	<1	35,798	41,105	58,957
Commercial and industrial machinery and equipment repair and maintenance	<1	13,908	10,295	14,924
Personal and household goods repair and maintenance	<1	5,383	8,580	11,814
Personal care services	<1	24,663	18,363	24,362
Death care services	<1	4,883	1,633	2,677
Dry-cleaning and laundry services	<1	11,509	3,418	5,513
Other personal services	<1	14,111	16,309	22,548
Religious organizations	<1	35,654	10,638	45,178
Grantmaking, giving, and social advocacy organizations	<1	18,167	46,445	70,214
Business and professional associations	<1	10,137	14,966	23,874
Labor and civic organizations	<1	12,342	28,539	56,465
Private households	<1	8,117	8,117	8,117
Postal service	<1	20,880	20,896	22,138
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,432	2,591	6,371
State government passenger transit	<1	69,306	-53,846	23,583
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	2,396	1,287	2,829
Local government passenger transit	<1	109	-128	44
Local government electric utilities	<1	2,117	4,775	8,960
Other local government enterprises	<1	6,374	389	9,492
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	184,381	272,646	623,741

Investments in Climate Change Research and Technology

Table 690: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Massachusetts

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>958</i>	<i>76,883,075</i>	<i>110,619,326</i>	<i>178,802,079</i>
Oilseed farming	<1	-6	1	101
Grain farming	<1	220	543	3,536
Vegetable and melon farming	<1	4,306	9,072	19,894
Fruit farming	<1	5,165	11,830	20,784
Tree nut farming	<1	4	8	13
Greenhouse, nursery, and floriculture production	<1	6,534	9,256	16,449
Tobacco farming	<1	316	333	560
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,031	2,685	5,567
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	9	1,007	5,221

Appendix

Dairy cattle and milk production	<1	335	1,328	8,996
Poultry and egg production	<1	438	1,001	6,522
Animal production, except cattle and poultry and eggs	<1	2,949	16,903	34,952
Forestry, forest products, and timber tract production	<1	3,759	3,785	4,451
Commercial logging	<1	5,423	5,223	6,865
Commercial fishing	<1	52,646	46,073	48,670
Commercial hunting and trapping	<1	43	6	29
Support activities for agriculture and forestry	1	30,898	26,120	34,918
Oil and gas extraction	<1	13,729	-90	107,840
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3,333	11,806	21,512
Sand and gravel mining	<1	3,939	8,298	16,417
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	302	573	1,048
Drilling oil and gas wells	<1	<1	<1	5
Support activities for oil and gas operations	<1	7	3	23
Metal mining services	<1	93	9	901
Other nonmetallic minerals services	<1	16	15	116
Electric power generation - Hydroelectric	<1	3,484	8,152	15,977
Electric power generation - Fossil fuel	<1	75,035	231,748	597,693
Electric power generation - Nuclear	<1	22,524	37,716	56,541
Electric power generation - Solar	<1	5,416	15,385	23,179
Electric power generation - Wind	<1	1,994	12,750	23,908
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1,374	895	1,889
Electric power transmission and distribution	<1	150,106	431,831	969,362
Natural gas distribution	<1	170,279	405,603	801,217
Water, sewage and other systems	<1	21,977	39,054	65,269
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	354,869	397,667	914,054
Maintenance and repair construction of residential structures	1	106,677	120,754	272,430
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	122	138	315
Dog and cat food manufacturing	<1	446	1,126	9,852
Other animal food manufacturing	<1	7,367	13,348	77,235
Flour milling	<1	3,535	5,551	29,698
Rice milling	0	0	0	0
Malt manufacturing	<1	1,660	2,483	15,730
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,774	6,698	68,003
Fats and oils refining and blending	<1	412	676	6,316
Breakfast cereal manufacturing	<1	10,962	20,311	72,668
Beet sugar manufacturing	<1	9,754	16,160	74,918

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1,490	2,051	11,318
Chocolate and confectionery manufacturing from cacao beans	<1	280	385	2,656
Confectionery manufacturing from purchased chocolate	<1	2,379	3,061	25,536
Frozen fruits, juices and vegetables manufacturing	<1	2,999	4,655	20,959
Frozen specialties manufacturing	<1	11,676	14,678	59,725
Canned fruits and vegetables manufacturing	<1	2,225	3,665	17,103
Canned specialties	<1	315	639	3,390
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	410	538	5,796
Dry, condensed, and evaporated dairy product manufacturing	<1	3,012	5,620	43,302
Fluid milk manufacturing	<1	14,008	19,168	139,293
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5,177	6,511	35,908
Frozen cakes and other pastries manufacturing	<1	20,633	25,039	49,329
Poultry processing	<1	3,527	4,019	16,753
Animal, except poultry, slaughtering	<1	5,664	7,060	54,637
Meat processed from carcasses	<1	36,482	34,346	239,779
Rendering and meat byproduct processing	<1	1,469	1,571	7,199
Seafood product preparation and packaging	<1	50,199	57,676	276,550
Bread and bakery product, except frozen, manufacturing	2	78,347	97,665	248,523
Cookie and cracker manufacturing	<1	4,427	5,593	23,896
Dry pasta, mixes, and dough manufacturing	<1	5,785	10,179	39,813
Tortilla manufacturing	<1	2,718	3,213	13,433
Roasted nuts and peanut butter manufacturing	<1	5,913	10,047	34,094
Other snack food manufacturing	<1	6,993	10,910	44,783
Coffee and tea manufacturing	<1	3,266	4,929	27,345
Flavoring syrup and concentrate manufacturing	<1	241	1,281	3,359
Mayonnaise, dressing, and sauce manufacturing	<1	6,610	10,655	48,389
Spice and extract manufacturing	<1	630	886	3,925
All other food manufacturing	<1	11,743	15,389	73,441

Appendix

Bottled and canned soft drinks & water	<1	25,818	36,333	169,531
Manufactured ice	<1	1,518	553	3,240
Breweries	<1	36,826	68,103	187,416
Wineries	<1	2,249	3,345	15,355
Distilleries	<1	1,052	5,975	14,821
Tobacco product manufacturing	<1	151	3,364	6,377
Fiber, yarn, and thread mills	<1	941	1,212	6,224
Broadwoven fabric mills	<1	1,001	1,338	5,221
Narrow fabric mills and schiffli machine embroidery	<1	777	822	1,885
Nonwoven fabric mills	<1	1,322	1,997	7,901
Knit fabric mills	<1	214	250	554
Textile and fabric finishing mills	<1	1,083	1,291	4,128
Fabric coating mills	<1	8,228	10,220	38,137
Carpet and rug mills	<1	280	395	2,117
Curtain and linen mills	<1	1,924	2,296	7,162
Textile bag and canvas mills	<1	2,383	2,676	7,142
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,760	2,277	6,725
Other textile product mills	<1	1,544	1,763	4,832
Hosiery and sock mills	<1	150	193	511
Other apparel knitting mills	<1	136	183	458
Cut and sew apparel contractors	<1	2,132	2,384	5,057
Mens and boys cut and sew apparel manufacturing	<1	2,887	4,095	10,501
Womens and girls cut and sew apparel manufacturing	<1	276	527	1,790
Other cut and sew apparel manufacturing	<1	551	919	2,500
Apparel accessories and other apparel manufacturing	<1	458	751	1,731
Leather and hide tanning and finishing	<1	168	314	756
Footwear manufacturing	<1	13,367	15,003	27,778
Other leather and allied product manufacturing	<1	497	546	1,057
Sawmills	<1	930	983	5,299
Wood preservation	<1	618	732	5,329
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,244	1,282	4,715
Reconstituted wood product manufacturing	<1	192	227	1,790
Wood windows and door manufacturing	<1	17,464	18,163	54,200

Appendix

Cut stock, resawing lumber, and planing	<1	187	194	782
Other millwork, including flooring	<1	5,966	6,147	19,037
Wood container and pallet manufacturing	<1	6,779	6,892	19,169
Manufactured home (mobile home) manufacturing	<1	1	1	4
Prefabricated wood building manufacturing	<1	375	383	1,102
All other miscellaneous wood product manufacturing	<1	1,748	1,778	7,215
Pulp mills	0	0	0	0
Paper mills	<1	48,423	48,688	225,286
Paperboard mills	<1	6,779	6,849	30,272
Paperboard container manufacturing	<1	30,607	32,160	147,547
Paper bag and coated and treated paper manufacturing	<1	34,303	35,555	150,934
Stationery product manufacturing	<1	6,387	6,903	28,074
Sanitary paper product manufacturing	<1	3,808	3,507	17,572
All other converted paper product manufacturing	<1	4,933	5,181	15,589
Printing	2	127,978	188,919	349,258
Support activities for printing	<1	14,352	20,005	27,953
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	5,512	8,843	24,398
Asphalt shingle and coating materials manufacturing	<1	1,171	4,168	7,623
Petroleum lubricating oil and grease manufacturing	<1	7,575	27,384	51,442
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2,888	8,862	20,857
Synthetic dye and pigment manufacturing	<1	1,181	3,345	9,150
Other basic inorganic chemical manufacturing	<1	9,215	27,456	59,282
Other basic organic chemical manufacturing	<1	11,203	31,281	139,275
Plastics material and resin manufacturing	<1	28,899	60,993	258,847
Synthetic rubber manufacturing	<1	617	1,211	6,440
Artificial and synthetic fibers and filaments manufacturing	<1	62,359	90,622	386,034

Appendix

Nitrogenous fertilizer manufacturing	<1	1,571	5,595	16,408
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	210	572	1,513
Pesticide and other agricultural chemical manufacturing	<1	1,793	7,952	26,560
Medicinal and botanical manufacturing	<1	1,370	3,125	6,562
Pharmaceutical preparation manufacturing	<1	43,840	225,198	453,889
In-vitro diagnostic substance manufacturing	<1	7,080	13,192	25,808
Biological product (except diagnostic) manufacturing	<1	6,588	19,365	30,386
Paint and coating manufacturing	<1	7,341	19,591	54,247
Adhesive manufacturing	<1	6,289	13,482	34,187
Soap and other detergent manufacturing	<1	2,671	12,839	43,496
Polish and other sanitation good manufacturing	<1	4,954	9,832	26,467
Surface active agent manufacturing	<1	319	1,625	5,097
Toilet preparation manufacturing	<1	267	1,340	2,796
Printing ink manufacturing	<1	2,929	3,314	10,743
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	4,455	10,518	27,957
Photographic film and chemical manufacturing	<1	2,661	8,819	25,086
Other miscellaneous chemical product manufacturing	<1	6,797	14,964	40,296
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	12,735	19,740	68,831
Unlaminated plastics profile shape manufacturing	<1	2,684	5,333	17,826
Plastics pipe and pipe fitting manufacturing	<1	1,623	3,914	11,829
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,057	1,826	5,528
Polystyrene foam product manufacturing	<1	7,251	11,517	36,799
Urethane and other foam product (except polystyrene) manufacturing	<1	8,039	12,170	38,599
Plastics bottle manufacturing	<1	939	1,428	6,660
Other plastics product manufacturing	<1	67,217	92,124	269,476

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	160	226	575
Other rubber product manufacturing	<1	14,093	19,024	56,236
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,008	2,595	5,758
Brick, tile, and other structural clay product manufacturing	<1	4,813	6,991	14,504
Flat glass manufacturing	<1	407	693	1,924
Other pressed and blown glass and glassware manufacturing	<1	6,521	9,788	26,125
Glass container manufacturing	<1	684	953	2,651
Glass product manufacturing made of purchased glass	<1	2,831	4,182	11,754
Cement manufacturing	<1	871	1,659	4,458
Ready-mix concrete manufacturing	<1	7,243	10,514	32,547
Concrete block and brick manufacturing	<1	2,037	3,130	8,151
Concrete pipe manufacturing	<1	139	203	519
Other concrete product manufacturing	<1	5,320	6,787	16,939
Lime manufacturing	<1	937	1,701	4,930
Gypsum product manufacturing	<1	135	296	1,240
Abrasive product manufacturing	<1	3,006	6,490	11,796
Cut stone and stone product manufacturing	<1	3,090	3,474	7,245
Ground or treated mineral and earth manufacturing	<1	507	1,053	2,571
Mineral wool manufacturing	<1	508	931	2,304
Miscellaneous nonmetallic mineral products manufacturing	<1	202	451	1,176
Iron and steel mills and ferroalloy manufacturing	<1	177	303	2,158
Iron, steel pipe and tube manufacturing from purchased steel	<1	672	1,053	5,788
Rolled steel shape manufacturing	<1	4,355	7,786	37,370
Steel wire drawing	<1	716	978	3,576
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	205	365	1,936
Other aluminum rolling, drawing and extruding	<1	253	351	2,117

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	410	1,257	5,745
Copper rolling, drawing, extruding and alloying	<1	3,995	5,458	46,832
Nonferrous metal, except copper and aluminum, shaping	<1	217	258	1,212
Secondary processing of other nonferrous metals	<1	318	548	2,813
Ferrous metal foundries	<1	950	1,340	3,155
Nonferrous metal foundries	<1	1,351	1,786	4,731
Custom roll forming	<1	340	738	2,297
Crown and closure manufacturing and metal stamping	<1	6,289	9,136	21,473
Iron and steel forging	<1	1,066	2,210	6,116
Nonferrous forging	<1	1,216	2,160	5,277
Cutlery, utensil, pot, and pan manufacturing	<1	12,621	46,647	73,121
Handtool manufacturing	<1	16,602	33,313	51,655
Prefabricated metal buildings and components manufacturing	<1	151	273	831
Fabricated structural metal manufacturing	<1	3,721	6,751	15,789
Plate work manufacturing	<1	2,410	2,839	7,463
Metal window and door manufacturing	<1	2,228	3,616	8,217
Sheet metal work manufacturing	<1	11,075	17,227	36,656
Ornamental and architectural metal work manufacturing	<1	7,271	11,055	23,816
Power boiler and heat exchanger manufacturing	<1	407	688	1,512
Metal tank (heavy gauge) manufacturing	<1	721	1,061	2,524
Metal cans manufacturing	<1	461	1,433	5,172
Metal barrels, drums and pails manufacturing	<1	186	266	970
Hardware manufacturing	<1	1,046	2,082	6,172
Spring and wire product manufacturing	<1	2,152	3,551	9,867
Machine shops	<1	30,722	42,605	77,767
Turned product and screw, nut, and bolt manufacturing	<1	4,970	8,927	19,617
Metal heat treating	<1	2,276	4,028	8,706
Metal coating and nonprecious engraving	<1	8,061	18,332	34,877
Electroplating, anodizing, and coloring metal	<1	7,134	8,892	18,175
Valve and fittings, other than plumbing, manufacturing	<1	4,747	9,304	18,291

Appendix

Plumbing fixture fitting and trim manufacturing	<1	2,630	10,187	22,186
Ball and roller bearing manufacturing	<1	253	592	1,070
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	493	667	1,092
Small arms, ordnance, and accessories manufacturing	<1	9,899	24,437	49,732
Fabricated pipe and pipe fitting manufacturing	<1	1,055	1,508	2,828
Other fabricated metal manufacturing	<1	18,406	28,628	64,784
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	<1	383	616	3,170
Construction machinery manufacturing	<1	79	154	513
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	1,554	1,763	4,667
Food product machinery manufacturing	<1	11	13	37
Sawmill, woodworking, and paper machinery	<1	1,233	1,331	2,371
Printing machinery and equipment manufacturing	<1	240	260	596
All other industrial machinery manufacturing	<1	348	415	1,008
Optical instrument and lens manufacturing	<1	677	877	2,685
Photographic and photocopying equipment manufacturing	<1	57	72	289
Other commercial service industry machinery manufacturing	<1	1,166	1,653	4,374
Air purification and ventilation equipment manufacturing	<1	257	320	806
Heating equipment (except warm air furnaces) manufacturing	<1	7,720	10,673	33,387
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,857	6,061	16,529
Industrial mold manufacturing	<1	629	708	1,487
Special tool, die, jig, and fixture manufacturing	<1	365	446	876

Appendix

Cutting tool and machine tool accessory manufacturing	<1	531	586	1,359
Machine tool manufacturing	<1	123	146	433
Rolling mill and other metalworking machinery manufacturing	<1	441	502	1,004
Turbine and turbine generator set units manufacturing	<1	55	67	224
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,020	1,382	4,378
Mechanical power transmission equipment manufacturing	<1	4,055	5,705	13,678
Other engine equipment manufacturing	<1	109	197	958
Pump and pumping equipment manufacturing	<1	294	442	1,142
Air and gas compressor manufacturing	<1	47	74	253
Elevator and moving stairway manufacturing	<1	11	15	46
Conveyor and conveying equipment manufacturing	<1	61	67	171
Overhead cranes, hoists, and monorail systems manufacturing	<1	37	60	184
Industrial truck, trailer, and stacker manufacturing	<1	53	77	240
Power-driven handtool manufacturing	<1	89	194	663
Welding and soldering equipment manufacturing	<1	56	74	251
Packaging machinery manufacturing	<1	158	204	549
Industrial process furnace and oven manufacturing	<1	268	304	748
Fluid power cylinder and actuator manufacturing	<1	364	472	1,082
Fluid power pump and motor manufacturing	<1	58	82	225
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	769	894	2,295
Electronic computer manufacturing	<1	1,340	3,034	7,519
Computer storage device manufacturing	<1	6,923	18,363	52,288
Computer terminals and other computer peripheral equipment manufacturing	<1	3,967	6,855	15,564
Telephone apparatus manufacturing	<1	4,108	7,200	15,717

Appendix

Broadcast and wireless communications equipment manufacturing	<1	136	222	540
Other communications equipment manufacturing	<1	1,709	3,170	7,924
Audio and video equipment manufacturing	<1	3,242	5,742	13,965
Printed circuit assembly (electronic assembly) manufacturing	<1	1,450	2,910	8,950
Bare printed circuit board manufacturing	<1	562	772	1,455
Semiconductor and related device manufacturing	<1	8,106	15,563	41,060
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5,381	7,946	15,208
Electronic connector manufacturing	<1	8,311	13,365	24,038
Other electronic component manufacturing	<1	2,688	3,882	9,968
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,691	3,465	6,375
Search, detection, and navigation instruments manufacturing	<1	165	305	578
Automatic environmental control manufacturing	<1	536	745	1,457
Industrial process variable instruments manufacturing	<1	3,011	5,044	9,515
Totalizing fluid meter and counting device manufacturing	<1	30	74	139
Electricity and signal testing instruments manufacturing	<1	2,426	4,053	9,196
Analytical laboratory instrument manufacturing	<1	49,727	91,900	159,047
Irradiation apparatus manufacturing	<1	162	341	648
Watch, clock, and other measuring and controlling device manufacturing	<1	634	1,261	2,820
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1,365	2,052	3,560
Electric lamp bulb and part manufacturing	<1	4,165	9,300	14,915
Lighting fixture manufacturing	<1	2,129	3,567	8,612
Small electrical appliance manufacturing	<1	714	1,905	4,961

Appendix

Household cooking appliance manufacturing	<1	670	1,763	4,339
Household refrigerator and home freezer manufacturing	<1	741	2,032	4,817
Household laundry equipment manufacturing	<1	1,702	3,459	10,733
Other major household appliance manufacturing	<1	317	934	2,073
Power, distribution, and specialty transformer manufacturing	<1	54	93	181
Motor and generator manufacturing	<1	239	465	1,215
Switchgear and switchboard apparatus manufacturing	<1	1,502	2,904	6,187
Relay and industrial control manufacturing	<1	4,043	6,121	10,735
Storage battery manufacturing	<1	1,603	2,621	6,986
Primary battery manufacturing	<1	7,250	16,340	36,852
Fiber optic cable manufacturing	<1	1,832	2,446	10,075
Other communication and energy wire manufacturing	<1	1,892	3,274	10,394
Wiring device manufacturing	<1	3,008	6,732	14,687
Carbon and graphite product manufacturing	<1	1,137	2,200	5,245
All other miscellaneous electrical equipment and component manufacturing	<1	15,693	19,581	46,053
Automobile manufacturing	<1	245	1,683	5,213
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	240	430	954
Truck trailer manufacturing	<1	4	7	23
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	611	776	2,712
Motor vehicle gasoline engine and engine parts manufacturing	<1	82	189	746
Motor vehicle electrical and electronic equipment manufacturing	<1	1,551	2,838	8,351
Motor vehicle transmission and power train parts manufacturing	<1	388	845	2,306
Motor vehicle seating and interior trim manufacturing	<1	126	198	945
Motor vehicle metal stamping	<1	1,271	2,003	4,659
Other motor vehicle parts manufacturing	<1	1,893	3,835	11,997

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,782	13,904	28,956
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	930	997	3,826
Other aircraft parts and auxiliary equipment manufacturing	<1	37	39	117
Guided missile and space vehicle manufacturing	<1	2,447	2,508	7,033
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	195	193	497
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	170	176	535
Boat building	<1	4,892	5,450	21,486
Motorcycle, bicycle, and parts manufacturing	<1	166	211	1,361
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	110	145	1,364
Wood kitchen cabinet and countertop manufacturing	<1	6,991	9,160	19,116
Upholstered household furniture manufacturing	<1	212	238	895
Nonupholstered wood household furniture manufacturing	<1	2,065	2,366	5,695
Other household nonupholstered furniture manufacturing	<1	49	71	295
Institutional furniture manufacturing	<1	200	215	688
Wood office furniture manufacturing	<1	57	74	201
Custom architectural woodwork and millwork	<1	554	521	1,294
Office furniture, except wood, manufacturing	<1	14,728	22,100	65,963
Showcase, partition, shelving, and locker manufacturing	<1	563	769	2,004
Mattress manufacturing	<1	637	996	3,781
Blind and shade manufacturing	<1	73	76	250
Surgical and medical instrument manufacturing	<1	14,930	30,671	50,197
Surgical appliance and supplies manufacturing	<1	12,415	27,372	45,506
Dental equipment and supplies manufacturing	<1	543	1,036	1,921

Appendix

Ophthalmic goods manufacturing	<1	3,122	7,039	12,301
Dental laboratories	<1	2,502	2,613	4,131
Jewelry and silverware manufacturing	<1	6,075	9,507	19,722
Sporting and athletic goods manufacturing	<1	17,178	26,091	50,508
Doll, toy, and game manufacturing	<1	3,941	7,260	17,525
Office supplies (except paper) manufacturing	<1	1,184	1,873	4,149
Sign manufacturing	<1	6,967	6,619	12,176
Gasket, packing, and sealing device manufacturing	<1	6,106	8,079	14,882
Musical instrument manufacturing	<1	1,576	1,746	3,141
Fasteners, buttons, needles, and pins manufacturing	<1	526	754	1,601
Broom, brush, and mop manufacturing	<1	1,201	2,049	4,845
Burial casket manufacturing	<1	2,723	3,552	7,007
All other miscellaneous manufacturing	<1	7,591	10,694	23,014
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	46,059	92,471	209,677
Wholesale - Professional and commercial equipment and supplies	2	260,505	393,649	619,703
Wholesale - Household appliances and electrical and electronic goods	<1	101,366	204,674	387,008
Wholesale - Machinery, equipment, and supplies	<1	84,995	143,956	238,043
Wholesale - Other durable goods merchant wholesalers	2	222,258	346,972	624,493
Wholesale - Drugs and druggists' sundries	<1	171,901	429,006	727,234
Wholesale - Grocery and related product wholesalers	3	227,686	290,490	551,235
Wholesale - Petroleum and petroleum products	<1	25,283	265,121	303,537
Wholesale - Other nondurable goods merchant wholesalers	3	339,802	622,765	1,080,745
Wholesale - Wholesale electronic markets and agents and brokers	2	227,584	234,380	266,660
Retail - Motor vehicle and parts dealers	3	170,206	211,081	319,292
Retail - Furniture and home furnishings stores	2	103,059	122,269	196,167
Retail - Electronics and appliance stores	2	100,266	84,008	145,797

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Retail - Building material and garden equipment and supplies stores	2	119,223	160,521	246,187
Retail - Food and beverage stores	10	348,049	405,854	702,689
Retail - Health and personal care stores	4	221,862	245,312	375,463
Retail - Gasoline stores	2	51,939	72,172	154,189
Retail - Clothing and clothing accessories stores	5	160,491	195,806	417,797
Retail - Sporting goods, hobby, musical instrument and book stores	3	96,811	113,773	176,041
Retail - General merchandise stores	7	202,948	246,760	437,784
Retail - Miscellaneous store retailers	5	164,209	172,058	279,467
Retail - Nonstore retailers	6	357,886	751,238	1,225,107
Air transportation	2	164,394	398,639	687,251
Rail transportation	<1	49,833	73,200	185,590
Water transportation	<1	21,660	29,538	120,789
Truck transportation	3	231,610	275,920	509,040
Transit and ground passenger transportation	10	216,377	278,909	384,139
Pipeline transportation	<1	27,565	47,324	56,911
Scenic and sightseeing transportation and support activities for transportation	3	182,747	194,253	427,809
Couriers and messengers	4	128,718	156,351	285,639
Warehousing and storage	3	133,747	147,127	259,290
Newspaper publishers	<1	46,696	77,819	94,428
Periodical publishers	<1	59,841	92,804	125,783
Book publishers	<1	45,605	134,917	196,139
Directory, mailing list, and other publishers	<1	20,634	53,974	72,221
Greeting card publishing	<1	1,356	3,573	5,163
Software publishers	3	677,266	1,494,645	1,605,053
Motion picture and video industries	1	75,561	125,844	305,984
Sound recording industries	<1	6,767	35,431	65,438
Radio and television broadcasting	<1	85,775	105,821	344,462
Cable and other subscription programming	<1	20,871	128,704	408,321
Wired telecommunications carriers	1	197,533	355,454	658,215
Wireless telecommunications carriers (except satellite)	<1	66,721	337,611	971,678

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	68,577	86,499	219,231
Data processing, hosting, and related services	7	862,503	1,405,278	3,486,393
News syndicates, libraries, archives and all other information services	<1	35,129	53,582	108,191
Internet publishing and broadcasting and web search portals	2	444,574	866,992	2,673,820
Nondepository credit intermediation and related activities	1	222,925	280,263	406,154
Securities and commodity contracts intermediation and brokerage	4	758,838	603,517	827,533
Monetary authorities and depository credit intermediation	9	1,182,086	3,091,401	4,453,060
Other financial investment activities	6	1,007,449	1,128,897	1,811,634
Direct life insurance carriers	2	313,831	509,822	658,868
Insurance carriers, except direct life	5	587,133	1,460,030	2,967,078
Insurance agencies, brokerages, and related activities	4	479,162	692,929	1,376,490
Funds, trusts, and other financial vehicles	1	126,676	345,795	709,456
Other real estate	46	1,221,107	4,304,417	9,762,869
Tenant-occupied housing	3	79,830	1,429,537	1,582,268
Owner-occupied dwellings	0	0	4,237,655	5,379,517
Automotive equipment rental and leasing	<1	43,574	128,372	201,507
General and consumer goods rental except video tapes and discs	1	65,440	84,341	153,857
Video tape and disc rental	<1	15,551	22,685	36,565
Commercial and industrial machinery and equipment rental and leasing	<1	68,591	171,343	253,959
Lessors of nonfinancial intangible assets	<1	17,006	260,389	304,457
Legal services	10	1,269,522	1,992,294	2,533,928
Accounting, tax preparation, bookkeeping, and payroll services	4	470,219	742,191	945,901
Architectural, engineering, and related services	5	556,459	649,849	992,230
Specialized design services	1	94,274	187,761	252,541
Custom computer programming services	2	333,766	338,896	434,894

Appendix

Computer systems design services	2	339,755	313,592	377,967
Other computer related services, including facilities management	1	143,633	216,901	332,489
Management consulting services	15	2,045,391	2,170,737	2,951,421
Environmental and other technical consulting services	2	230,376	249,151	330,159
Scientific research and development services	148	20,475,664	24,589,531	40,552,247
Advertising, public relations, and related services	4	426,050	684,075	1,003,605
Photographic services	<1	10,769	36,438	56,830
Veterinary services	<1	55,591	79,147	111,159
Marketing research and all other miscellaneous professional, scientific, and technical services	3	298,133	728,640	1,028,090
Management of companies and enterprises	12	1,921,327	2,179,771	3,295,568
Office administrative services	3	256,396	86,061	186,969
Facilities support services	<1	18,011	24,687	48,702
Employment services	21	1,150,931	1,530,177	2,147,412
Business support services	3	154,234	123,980	202,375
Travel arrangement and reservation services	2	123,328	150,912	293,723
Investigation and security services	4	169,608	162,813	233,182
Services to buildings	8	295,854	374,824	657,736
Landscape and horticultural services	5	269,471	310,965	505,023
Other support services	1	80,124	96,249	165,663
Waste management and remediation services	2	149,831	249,342	421,807
Elementary and secondary schools	4	250,105	201,142	230,299
Junior colleges, colleges, universities, and professional schools	249	16,162,984	20,690,063	25,760,807
Other educational services	4	196,186	217,895	386,223
Offices of physicians	11	1,398,719	1,448,331	1,958,466
Offices of dentists	4	294,252	350,606	485,326
Offices of other health practitioners	3	195,004	261,351	349,384
Outpatient care centers	4	354,600	319,242	529,392
Medical and diagnostic laboratories	1	100,595	134,118	188,616
Home health care services	8	377,343	357,372	454,491
Other ambulatory health care services	1	91,477	99,530	158,573

Appendix

Hospitals	24	2,333,445	2,713,175	4,853,215
Nursing and community care facilities	7	344,711	376,094	629,209
Residential mental retardation, mental health, substance abuse and other facilities	4	165,008	174,667	264,547
Individual and family services	15	525,262	450,504	646,326
Child day care services	5	161,351	235,647	302,041
Community food, housing, and other relief services, including rehabilitation services	3	126,891	125,180	245,822
Performing arts companies	2	62,187	91,773	141,662
Commercial Sports Except Racing	3	185,296	176,917	233,148
Racing and Track Operation	<1	15,579	23,176	34,615
Independent artists, writers, and performers	1	50,126	175,783	218,803
Promoters of performing arts and sports and agents for public figures	2	69,939	134,231	229,745
Museums, historical sites, zoos, and parks	<1	38,428	51,031	82,193
Amusement parks and arcades	<1	11,496	29,792	37,292
Gambling industries (except casino hotels)	1	64,399	131,189	202,076
Other amusement and recreation industries	3	107,772	117,049	190,803
Fitness and recreational sports centers	3	75,478	104,724	165,605
Bowling centers	<1	9,195	15,591	23,803
Hotels and motels, including casino hotels	5	238,582	448,695	636,240
Other accommodations	2	92,509	122,818	158,132
Full-service restaurants	21	671,034	982,593	1,563,436
Limited-service restaurants	12	310,517	488,587	965,174
All other food and drinking places	12	417,928	586,856	841,779
Automotive repair and maintenance, except car washes	6	371,260	327,271	502,196
Car washes	3	156,911	196,358	302,081
Electronic and precision equipment repair and maintenance	1	133,926	150,865	226,460
Commercial and industrial machinery and equipment repair and maintenance	2	151,631	115,055	172,503
Personal and household goods repair and maintenance	<1	53,511	90,413	125,680
Personal care services	6	225,188	178,334	236,532
Death care services	<1	40,276	17,464	27,036

Appendix

Dry-cleaning and laundry services	3	106,497	41,085	62,438
Other personal services	4	134,433	158,561	223,102
Religious organizations	5	310,621	121,651	431,646
Grantmaking, giving, and social advocacy organizations	2	132,693	380,419	570,748
Business and professional associations	<1	92,914	148,644	241,512
Labor and civic organizations	4	97,456	250,291	480,813
Private households	4	74,308	74,308	74,308
Postal service	2	207,347	207,487	220,248
Federal electric utilities	0	0	0	0
Other federal government enterprises	9	837,204	1,618,653	3,779,997
State government passenger transit	<1	50,485	-32,259	32,409
State government electric utilities	0	0	0	0
Other state government enterprises	<1	79,472	45,469	109,786
Local government passenger transit	<1	1,103	-959	762
Local government electric utilities	<1	24,779	65,212	124,353
Other local government enterprises	<1	81,476	5,622	136,898
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	136,753	269,612	616,798

Michigan

NASA

Table 691: Detailed NASA Impacts by Types of Impact, Michigan

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	785	50,947,649	74,907,386	142,574,155
Oilseed farming	<1	2,425	59,638	137,050
Grain farming	2	29,218	46,969	323,335
Vegetable and melon farming	<1	14,714	27,143	53,777
Fruit farming	<1	13,775	26,966	40,675
Tree nut farming	<1	33	64	92
Greenhouse, nursery, and floriculture production	<1	18,661	25,644	44,089
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	15,975	21,119	39,353
All other crop farming	<1	3,028	4,016	7,525
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,585	12,506	66,942
Dairy cattle and milk production	<1	5,975	15,886	109,440
Poultry and egg production	<1	2,939	4,658	39,569
Animal production, except cattle and poultry and eggs	2	21,366	92,601	174,686
Forestry, forest products, and timber tract production	<1	2,567	2,541	3,381
Commercial logging	<1	8,600	7,384	13,544
Commercial fishing	<1	688	2,626	2,911
Commercial hunting and trapping	<1	630	3,449	4,760
Support activities for agriculture and forestry	2	61,752	56,282	70,622
Oil and gas extraction	<1	14,944	11,907	329,562
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	23,373	136,427	195,313
Iron ore mining	<1	2,101	6,853	26,789
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,905	20,024	27,794
Sand and gravel mining	<1	4,647	16,655	24,791

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	317	1,193	1,689
Other nonmetallic minerals	<1	899	2,991	4,697
Drilling oil and gas wells	<1	2	2	15
Support activities for oil and gas operations	<1	268	271	891
Metal mining services	<1	190	206	2,542
Other nonmetallic minerals services	<1	18	17	277
Electric power generation - Hydroelectric	<1	4,857	11,968	26,560
Electric power generation - Fossil fuel	<1	84,881	245,901	675,032
Electric power generation - Nuclear	<1	52,303	95,498	215,457
Electric power generation - Solar	<1	18	70	242
Electric power generation - Wind	<1	242	1,486	3,158
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,038	3,557	11,273
Electric power generation - All other	<1	1,122	544	1,778
Electric power transmission and distribution	<1	157,447	428,520	1,102,033
Natural gas distribution	<1	63,728	142,485	332,920
Water, sewage and other systems	<1	5,766	10,118	19,205
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	182,757	289,060	625,106
Maintenance and repair construction of residential structures	1	61,509	94,523	207,496
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	90	142	305
Dog and cat food manufacturing	<1	1,281	3,675	12,078
Other animal food manufacturing	<1	6,732	11,505	91,496
Flour milling	<1	5,048	9,435	55,054
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	770	4,054	33,239
Fats and oils refining and blending	<1	204	402	3,543
Breakfast cereal manufacturing	<1	36,103	88,046	257,804
Beet sugar manufacturing	<1	8,762	18,274	74,930
Sugar cane mills and refining	<1	481	1,273	5,822
Nonchocolate confectionery manufacturing	<1	2,092	3,225	14,105
Chocolate and confectionery manufacturing from cacao beans	<1	84	130	1,026
Confectionery manufacturing from purchased chocolate	<1	1,784	2,471	13,175
Frozen fruits, juices and vegetables manufacturing	<1	6,500	12,865	53,096
Frozen specialties manufacturing	<1	7,438	10,356	40,294
Canned fruits and vegetables manufacturing	<1	8,412	17,104	71,779
Canned specialties	<1	2,909	7,301	29,957
Dehydrated food products manufacturing	<1	686	1,236	4,717
Cheese manufacturing	<1	2,683	3,839	35,755
Dry, condensed, and evaporated dairy product manufacturing	<1	8,386	20,018	110,137
Fluid milk manufacturing	<1	7,634	12,117	73,729
Creamery butter manufacturing	<1	494	2,207	12,419
Ice cream and frozen dessert manufacturing	<1	1,976	2,742	11,773
Frozen cakes and other pastries manufacturing	<1	8,155	11,591	22,215

Appendix

Poultry processing	<1	8,004	9,952	37,762
Animal, except poultry, slaughtering	<1	11,064	13,789	111,321
Meat processed from carcasses	<1	25,122	23,761	184,419
Rendering and meat byproduct processing	<1	375	466	2,114
Seafood product preparation and packaging	<1	3,018	3,793	15,746
Bread and bakery product, except frozen, manufacturing	<1	30,177	42,987	104,653
Cookie and cracker manufacturing	<1	8,370	12,113	37,470
Dry pasta, mixes, and dough manufacturing	<1	4,897	10,827	29,780
Tortilla manufacturing	<1	994	1,237	4,867
Roasted nuts and peanut butter manufacturing	<1	2,805	5,598	20,302
Other snack food manufacturing	<1	4,431	9,118	37,605
Coffee and tea manufacturing	<1	2,136	3,948	21,298
Flavoring syrup and concentrate manufacturing	<1	450	3,493	8,411
Mayonnaise, dressing, and sauce manufacturing	<1	1,333	2,584	12,920
Spice and extract manufacturing	<1	4,177	6,927	24,960
All other food manufacturing	<1	3,690	5,455	26,001
Bottled and canned soft drinks & water	<1	18,211	30,537	136,686
Manufactured ice	<1	1,104	602	3,425
Breweries	<1	11,669	26,263	95,221
Wineries	<1	4,206	6,871	32,410
Distilleries	<1	2,505	14,215	43,201
Tobacco product manufacturing	<1	545	13,397	26,859
Fiber, yarn, and thread mills	<1	312	605	2,911
Broadwoven fabric mills	<1	250	538	1,155
Narrow fabric mills and schiffli machine embroidery	<1	91	107	279
Nonwoven fabric mills	<1	219	547	1,352
Knit fabric mills	<1	55	83	197
Textile and fabric finishing mills	<1	362	559	1,858
Fabric coating mills	<1	335	542	1,804
Carpet and rug mills	<1	4,057	9,533	26,748
Curtain and linen mills	<1	209	322	942
Textile bag and canvas mills	<1	2,080	2,847	6,967
Rope, cordage, twine, tire cord and tire fabric mills	<1	168	334	940
Other textile product mills	<1	1,858	2,566	6,573
Hosiery and sock mills	<1	75	128	319

Appendix

Other apparel knitting mills	<1	85	144	359
Cut and sew apparel contractors	<1	1,315	1,434	3,223
Mens and boys cut and sew apparel manufacturing	<1	2,836	3,134	6,417
Womens and girls cut and sew apparel manufacturing	<1	64	113	521
Other cut and sew apparel manufacturing	<1	117	180	611
Apparel accessories and other apparel manufacturing	<1	305	399	1,325
Leather and hide tanning and finishing	<1	785	1,069	4,047
Footwear manufacturing	<1	1,075	1,167	2,947
Other leather and allied product manufacturing	<1	87	91	220
Sawmills	<1	7,616	10,185	39,640
Wood preservation	<1	403	820	3,982
Veneer and plywood manufacturing	<1	1,967	2,632	9,981
Engineered wood member and truss manufacturing	<1	1,441	1,873	5,694
Reconstituted wood product manufacturing	<1	2,603	4,778	18,536
Wood windows and door manufacturing	<1	8,061	9,904	27,692
Cut stock, resawing lumber, and planing	<1	2,088	3,004	9,374
Other millwork, including flooring	<1	4,198	5,676	16,665
Wood container and pallet manufacturing	<1	6,285	7,571	17,803
Manufactured home (mobile home) manufacturing	<1	6,804	7,749	17,493
Prefabricated wood building manufacturing	<1	952	1,165	3,485
All other miscellaneous wood product manufacturing	<1	2,557	3,255	10,614
Pulp mills	<1	312	413	2,050
Paper mills	<1	23,376	39,125	151,754
Paperboard mills	<1	5,484	10,175	48,641
Paperboard container manufacturing	<1	24,713	33,258	162,505
Paper bag and coated and treated paper manufacturing	<1	7,686	11,529	38,996
Stationery product manufacturing	<1	1,202	1,611	7,125
Sanitary paper product manufacturing	<1	183	404	2,211
All other converted paper product manufacturing	<1	3,950	5,133	16,264

Appendix

Printing	2	146,022	227,186	442,542
Support activities for printing	<1	8,266	12,049	17,751
Petroleum refineries	<1	21,758	70,838	386,478
Asphalt paving mixture and block manufacturing	<1	1,084	1,358	4,728
Asphalt shingle and coating materials manufacturing	<1	446	864	2,121
Petroleum lubricating oil and grease manufacturing	<1	15,612	29,772	71,653
All other petroleum and coal products manufacturing	<1	4,884	10,485	26,779
Petrochemical manufacturing	<1	928	4,505	40,356
Industrial gas manufacturing	<1	4,614	7,066	30,019
Synthetic dye and pigment manufacturing	<1	1,454	2,113	9,175
Other basic inorganic chemical manufacturing	<1	4,183	6,626	28,937
Other basic organic chemical manufacturing	<1	5,845	9,087	92,849
Plastics material and resin manufacturing	<1	44,548	58,796	400,040
Synthetic rubber manufacturing	<1	289	373	2,472
Artificial and synthetic fibers and filaments manufacturing	<1	657	763	5,969
Nitrogenous fertilizer manufacturing	<1	801	1,352	5,489
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	203	302	1,505
Pesticide and other agricultural chemical manufacturing	<1	5,347	10,592	50,552
Medicinal and botanical manufacturing	<1	1,574	1,909	6,827
Pharmaceutical preparation manufacturing	<1	35,576	78,468	338,550
In-vitro diagnostic substance manufacturing	<1	61	73	163
Biological product (except diagnostic) manufacturing	<1	1,903	2,785	6,187
Paint and coating manufacturing	<1	13,719	19,443	78,416
Adhesive manufacturing	<1	3,874	4,869	20,975
Soap and other detergent manufacturing	<1	30,108	60,307	207,629
Polish and other sanitation good manufacturing	<1	3,097	3,887	15,439
Surface active agent manufacturing	<1	803	1,735	8,653
Toilet preparation manufacturing	<1	386	780	2,994
Printing ink manufacturing	<1	1,264	1,335	5,594

Appendix

Explosives manufacturing	<1	64	69	227
Custom compounding of purchased resins	<1	7,121	9,950	44,789
Photographic film and chemical manufacturing	<1	1,121	1,833	11,211
Other miscellaneous chemical product manufacturing	<1	10,899	14,238	62,100
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,528	9,456	39,730
Unlaminated plastics profile shape manufacturing	<1	4,179	7,584	26,548
Plastics pipe and pipe fitting manufacturing	<1	1,828	3,957	15,660
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,252	5,151	17,577
Polystyrene foam product manufacturing	<1	13,055	19,302	64,416
Urethane and other foam product (except polystyrene) manufacturing	<1	7,669	10,929	45,390
Plastics bottle manufacturing	<1	3,654	5,150	14,471
Other plastics product manufacturing	1	72,743	95,501	314,296
Tire manufacturing	<1	1,893	2,576	12,585
Rubber and plastics hoses and belting manufacturing	<1	4,052	5,427	16,816
Other rubber product manufacturing	<1	19,157	24,653	80,155
Pottery, ceramics, and plumbing fixture manufacturing	<1	55	76	334
Brick, tile, and other structural clay product manufacturing	<1	1,704	2,592	5,218
Flat glass manufacturing	<1	991	1,786	4,303
Other pressed and blown glass and glassware manufacturing	<1	394	611	1,433
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	8,961	13,507	29,272
Cement manufacturing	<1	3,133	6,374	16,096
Ready-mix concrete manufacturing	<1	12,613	19,065	53,857
Concrete block and brick manufacturing	<1	2,654	4,187	9,643
Concrete pipe manufacturing	<1	703	1,066	2,386
Other concrete product manufacturing	<1	2,772	3,586	7,981
Lime manufacturing	<1	1,074	2,158	5,648
Gypsum product manufacturing	<1	1,239	2,678	7,017

Appendix

Abrasive product manufacturing	<1	2,324	5,318	9,103
Cut stone and stone product manufacturing	<1	3,139	3,579	7,293
Ground or treated mineral and earth manufacturing	<1	3,828	8,128	15,212
Mineral wool manufacturing	<1	780	1,526	3,464
Miscellaneous nonmetallic mineral products manufacturing	<1	688	1,565	3,106
Iron and steel mills and ferroalloy manufacturing	<1	45,513	79,543	443,417
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,308	3,677	13,500
Rolled steel shape manufacturing	<1	1,322	2,589	12,066
Steel wire drawing	<1	382	538	2,593
Alumina refining and primary aluminum production	<1	979	1,492	14,741
Secondary smelting and alloying of aluminum	<1	348	596	4,906
Aluminum sheet, plate, and foil manufacturing	<1	577	1,052	3,279
Other aluminum rolling, drawing and extruding	<1	2,435	3,369	17,926
Nonferrous metal (exc aluminum) smelting and refining	<1	18	72	396
Copper rolling, drawing, extruding and alloying	<1	1,726	2,532	22,440
Nonferrous metal, except copper and aluminum, shaping	<1	261	316	1,460
Secondary processing of other nonferrous metals	<1	577	961	5,478
Ferrous metal foundries	<1	4,876	6,959	19,715
Nonferrous metal foundries	<1	16,762	23,164	56,305
Custom roll forming	<1	2,345	3,711	18,602
Crown and closure manufacturing and metal stamping	<1	6,515	7,962	22,216
Iron and steel forging	<1	6,095	9,228	26,595
Nonferrous forging	<1	1,580	2,182	7,744
Cutlery, utensil, pot, and pan manufacturing	<1	352	832	3,257
Handtool manufacturing	<1	22,785	35,878	71,842
Prefabricated metal buildings and components manufacturing	<1	583	786	2,429
Fabricated structural metal manufacturing	<1	7,724	10,788	34,102
Plate work manufacturing	<1	3,760	4,078	12,345
Metal window and door manufacturing	<1	3,293	4,284	11,501
Sheet metal work manufacturing	<1	9,167	11,612	27,390

Appendix

Ornamental and architectural metal work manufacturing	<1	2,126	2,656	7,515
Power boiler and heat exchanger manufacturing	<1	33	45	118
Metal tank (heavy gauge) manufacturing	<1	257	318	1,046
Metal cans manufacturing	<1	292	597	2,873
Metal barrels, drums and pails manufacturing	<1	640	773	3,034
Hardware manufacturing	<1	3,647	5,393	16,374
Spring and wire product manufacturing	<1	5,157	6,767	20,561
Machine shops	<1	33,220	39,559	81,734
Turned product and screw, nut, and bolt manufacturing	<1	12,047	16,818	45,920
Metal heat treating	<1	4,857	6,721	17,463
Metal coating and nonprecious engraving	<1	7,897	12,948	34,330
Electroplating, anodizing, and coloring metal	<1	8,700	9,757	22,259
Valve and fittings, other than plumbing, manufacturing	<1	3,996	5,975	16,520
Plumbing fixture fitting and trim manufacturing	<1	885	2,211	7,897
Ball and roller bearing manufacturing	<1	998	1,681	4,211
Small arms ammunition manufacturing	<1	258	490	1,046
Ammunition, except for small arms, manufacturing	<1	1	1	3
Small arms, ordnance, and accessories manufacturing	<1	100	175	449
Fabricated pipe and pipe fitting manufacturing	<1	2,371	2,861	8,221
Other fabricated metal manufacturing	<1	8,553	10,803	28,252
Farm machinery and equipment manufacturing	<1	495	790	3,102
Lawn and garden equipment manufacturing	<1	506	825	3,635
Construction machinery manufacturing	<1	492	992	3,624
Mining machinery and equipment manufacturing	<1	48	70	188
Oil and gas field machinery and equipment manufacturing	<1	3	5	13
Semiconductor machinery manufacturing	<1	41	47	99
Food product machinery manufacturing	<1	15	17	50

Appendix

Sawmill, woodworking, and paper machinery	<1	301	333	944
Printing machinery and equipment manufacturing	<1	121	132	360
All other industrial machinery manufacturing	<1	472	577	1,524
Optical instrument and lens manufacturing	<1	53	73	205
Photographic and photocopying equipment manufacturing	<1	19	24	92
Other commercial service industry machinery manufacturing	<1	646	979	3,354
Air purification and ventilation equipment manufacturing	<1	566	736	1,839
Heating equipment (except warm air furnaces) manufacturing	<1	1,147	1,607	4,762
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,112	6,799	22,328
Industrial mold manufacturing	<1	2,577	2,908	5,473
Special tool, die, jig, and fixture manufacturing	<1	5,364	6,608	12,105
Cutting tool and machine tool accessory manufacturing	<1	2,227	2,457	5,341
Machine tool manufacturing	<1	620	747	2,152
Rolling mill and other metalworking machinery manufacturing	<1	646	744	1,600
Turbine and turbine generator set units manufacturing	<1	8	10	34
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,091	4,326	12,833
Mechanical power transmission equipment manufacturing	<1	2,003	2,926	6,818
Other engine equipment manufacturing	<1	13,122	24,651	97,390
Pump and pumping equipment manufacturing	<1	189	303	1,094
Air and gas compressor manufacturing	<1	74	125	433
Elevator and moving stairway manufacturing	<1	35	46	143
Conveyor and conveying equipment manufacturing	<1	1,322	1,459	3,562
Overhead cranes, hoists, and monorail systems manufacturing	<1	24	39	130
Industrial truck, trailer, and stacker manufacturing	<1	113	170	565

Appendix

Power-driven handtool manufacturing	<1	116	257	795
Welding and soldering equipment manufacturing	<1	508	678	1,926
Packaging machinery manufacturing	<1	213	280	812
Industrial process furnace and oven manufacturing	<1	307	348	773
Fluid power cylinder and actuator manufacturing	<1	3,563	4,727	11,885
Fluid power pump and motor manufacturing	<1	779	1,136	4,084
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,091	1,285	3,213
Electronic computer manufacturing	<1	68	94	417
Computer storage device manufacturing	<1	168	250	759
Computer terminals and other computer peripheral equipment manufacturing	<1	14,451	19,394	48,450
Telephone apparatus manufacturing	<1	41	51	260
Broadcast and wireless communications equipment manufacturing	<1	45	55	210
Other communications equipment manufacturing	<1	643	789	2,856
Audio and video equipment manufacturing	<1	127	165	710
Printed circuit assembly (electronic assembly) manufacturing	<1	10,665	13,184	66,397
Bare printed circuit board manufacturing	<1	2,423	2,708	8,017
Semiconductor and related device manufacturing	<1	471	597	2,247
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	512	613	1,739
Electronic connector manufacturing	<1	765	897	1,634
Other electronic component manufacturing	<1	2,053	2,336	6,123
Electromedical and electrotherapeutic apparatus manufacturing	<1	114	149	392
Search, detection, and navigation instruments manufacturing	<1	76	93	220
Automatic environmental control manufacturing	<1	3,526	4,107	12,133

Appendix

Industrial process variable instruments manufacturing	<1	821	1,012	2,812
Totalizing fluid meter and counting device manufacturing	<1	336	477	1,426
Electricity and signal testing instruments manufacturing	<1	853	1,047	3,815
Analytical laboratory instrument manufacturing	<1	103,903	131,909	362,630
Irradiation apparatus manufacturing	<1	6	8	22
Watch, clock, and other measuring and controlling device manufacturing	<1	940	1,206	3,672
Blank magnetic and optical recording media manufacturing	<1	38	64	412
Software and other prerecorded and record reproducing	<1	453	531	1,278
Electric lamp bulb and part manufacturing	<1	107	193	345
Lighting fixture manufacturing	<1	1,160	1,621	4,359
Small electrical appliance manufacturing	<1	4,926	9,535	21,784
Household cooking appliance manufacturing	<1	10,204	19,834	45,924
Household refrigerator and home freezer manufacturing	<1	10,889	21,891	49,146
Household laundry equipment manufacturing	<1	25,223	40,157	112,114
Other major household appliance manufacturing	<1	4,040	8,583	18,246
Power, distribution, and specialty transformer manufacturing	<1	92	130	347
Motor and generator manufacturing	<1	835	1,341	4,298
Switchgear and switchboard apparatus manufacturing	<1	1,063	1,706	5,470
Relay and industrial control manufacturing	<1	2,173	2,851	6,770
Storage battery manufacturing	<1	7,973	10,716	26,541
Primary battery manufacturing	<1	10,648	14,911	36,334
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	18	26	123
Wiring device manufacturing	<1	1,859	3,205	9,239
Carbon and graphite product manufacturing	<1	4,397	7,008	23,065
All other miscellaneous electrical equipment and component manufacturing	<1	140	160	494
Automobile manufacturing	<1	17,814	85,591	215,266

Appendix

Light truck and utility vehicle manufacturing	<1	6,786	17,979	143,779
Heavy duty truck manufacturing	<1	29	93	418
Motor vehicle body manufacturing	<1	892	1,349	3,707
Truck trailer manufacturing	<1	8	12	40
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,215	3,692	14,920
Motor vehicle gasoline engine and engine parts manufacturing	<1	55,541	96,373	354,787
Motor vehicle electrical and electronic equipment manufacturing	<1	36,244	50,504	174,247
Motor vehicle transmission and power train parts manufacturing	1	178,884	318,481	923,444
Motor vehicle seating and interior trim manufacturing	<1	10,301	12,902	53,220
Motor vehicle metal stamping	1	136,879	183,757	538,345
Other motor vehicle parts manufacturing	<1	61,237	93,715	356,131
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	31,531	60,302	158,929
Aircraft manufacturing	<1	22	30	115
Aircraft engine and engine parts manufacturing	<1	3,300	5,458	15,059
Other aircraft parts and auxiliary equipment manufacturing	<1	48,369	57,998	153,375
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	33	40	85
Railroad rolling stock manufacturing	<1	9	10	36
Ship building and repairing	<1	44	48	101
Boat building	<1	12,867	15,544	55,323
Motorcycle, bicycle, and parts manufacturing	<1	171	324	1,316
Military armored vehicle, tank, and tank component manufacturing	<1	6,576	8,795	28,679
All other transportation equipment manufacturing	<1	3,817	5,525	23,092
Wood kitchen cabinet and countertop manufacturing	<1	2,676	3,546	7,632
Upholstered household furniture manufacturing	<1	485	546	1,729

Appendix

Nonupholstered wood household furniture manufacturing	<1	1,093	1,273	3,532
Other household nonupholstered furniture manufacturing	<1	1,067	1,608	4,937
Institutional furniture manufacturing	<1	381	414	1,154
Wood office furniture manufacturing	<1	204	278	668
Custom architectural woodwork and millwork	<1	177	166	451
Office furniture, except wood, manufacturing	<1	2,227	3,616	8,860
Showcase, partition, shelving, and locker manufacturing	<1	2,230	3,101	7,883
Mattress manufacturing	<1	724	1,244	4,362
Blind and shade manufacturing	<1	177	187	715
Surgical and medical instrument manufacturing	<1	2,901	4,557	10,423
Surgical appliance and supplies manufacturing	<1	24,979	41,113	79,909
Dental equipment and supplies manufacturing	<1	212	306	706
Ophthalmic goods manufacturing	<1	260	425	891
Dental laboratories	<1	2,725	2,801	4,912
Jewelry and silverware manufacturing	<1	3,203	4,782	12,099
Sporting and athletic goods manufacturing	<1	2,762	3,540	10,349
Doll, toy, and game manufacturing	<1	1,294	1,819	6,737
Office supplies (except paper) manufacturing	<1	481	635	2,094
Sign manufacturing	<1	5,035	4,399	10,676
Gasket, packing, and sealing device manufacturing	<1	4,959	5,772	11,479
Musical instrument manufacturing	<1	481	505	1,219
Fasteners, buttons, needles, and pins manufacturing	<1	2,512	3,064	6,280
Broom, brush, and mop manufacturing	<1	2,880	3,693	8,999
Burial casket manufacturing	<1	503	596	1,228
All other miscellaneous manufacturing	<1	17,966	22,488	50,428
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	45,053	94,289	184,102
Wholesale - Professional and commercial equipment and supplies	1	138,364	209,972	349,047

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	73,437	159,714	304,710
Wholesale - Machinery, equipment, and supplies	<1	78,618	137,818	235,598
Wholesale - Other durable goods merchant wholesalers	1	121,824	197,055	368,408
Wholesale - Drugs and druggists' sundries	<1	80,756	218,494	406,604
Wholesale - Grocery and related product wholesalers	2	126,331	167,076	319,651
Wholesale - Petroleum and petroleum products	<1	26,608	292,484	350,378
Wholesale - Other nondurable goods merchant wholesalers	2	181,850	341,436	635,732
Wholesale - Wholesale electronic markets and agents and brokers	1	125,947	130,141	152,067
Retail - Motor vehicle and parts dealers	2	143,644	223,708	324,673
Retail - Furniture and home furnishings stores	2	69,377	89,161	145,073
Retail - Electronics and appliance stores	2	90,870	87,664	144,906
Retail - Building material and garden equipment and supplies stores	2	86,545	158,925	235,274
Retail - Food and beverage stores	6	200,495	271,089	449,384
Retail - Health and personal care stores	3	157,574	195,761	297,753
Retail - Gasoline stores	2	62,188	109,719	213,707
Retail - Clothing and clothing accessories stores	3	78,898	127,024	268,997
Retail - Sporting goods, hobby, musical instrument and book stores	2	56,717	74,959	127,653
Retail - General merchandise stores	7	223,316	327,878	540,014
Retail - Miscellaneous store retailers	5	116,534	138,136	228,942
Retail - Nonstore retailers	5	94,570	319,446	702,524
Air transportation	2	196,530	397,966	682,692
Rail transportation	<1	19,129	31,581	65,989
Water transportation	<1	12,309	17,890	98,489
Truck transportation	5	327,565	406,841	814,033
Transit and ground passenger transportation	4	70,669	86,984	131,644
Pipeline transportation	<1	75,375	133,377	152,946
Scenic and sightseeing transportation and support activities for transportation	3	205,608	226,106	481,603

Appendix

Couriers and messengers	2	87,013	118,231	201,554
Warehousing and storage	3	157,015	174,654	323,270
Newspaper publishers	<1	29,797	51,902	65,347
Periodical publishers	<1	23,750	38,268	56,867
Book publishers	<1	25,216	79,364	123,563
Directory, mailing list, and other publishers	<1	3,846	11,076	16,515
Greeting card publishing	<1	745	2,111	3,077
Software publishers	3	450,936	1,037,000	1,147,686
Motion picture and video industries	<1	33,946	63,913	194,355
Sound recording industries	<1	2,597	16,308	31,446
Radio and television broadcasting	<1	94,818	121,937	354,092
Cable and other subscription programming	<1	2,968	21,310	56,098
Wired telecommunications carriers	1	136,292	314,935	585,654
Wireless telecommunications carriers (except satellite)	<1	17,777	132,609	346,508
Satellite, telecommunications resellers, and all other telecommunications	<1	30,218	43,999	123,490
Data processing, hosting, and related services	3	263,436	547,674	1,360,494
News syndicates, libraries, archives and all other information services	<1	28,706	52,767	102,681
Internet publishing and broadcasting and web search portals	<1	130,395	305,231	697,839
Nondepository credit intermediation and related activities	3	311,472	363,524	597,220
Securities and commodity contracts intermediation and brokerage	5	267,767	257,326	611,965
Monetary authorities and depository credit intermediation	8	697,196	1,294,425	2,645,421
Other financial investment activities	3	144,790	199,535	651,305
Direct life insurance carriers	<1	50,457	104,102	154,482
Insurance carriers, except direct life	4	331,774	1,190,158	2,325,502
Insurance agencies, brokerages, and related activities	3	271,026	468,931	1,045,780
Funds, trusts, and other financial vehicles	1	52,689	70,659	368,152
Other real estate	42	1,122,240	3,065,855	7,948,543
Tenant-occupied housing	4	100,384	843,004	1,005,353

Appendix

Owner-occupied dwellings	0	0	2,987,194	3,792,111
Automotive equipment rental and leasing	1	73,542	248,191	334,197
General and consumer goods rental except video tapes and discs	<1	54,162	69,262	119,692
Video tape and disc rental	<1	12,887	23,358	36,721
Commercial and industrial machinery and equipment rental and leasing	<1	53,200	152,385	207,790
Lessors of nonfinancial intangible assets	<1	2,724	343,372	373,532
Legal services	10	955,350	1,514,634	2,084,778
Accounting, tax preparation, bookkeeping, and payroll services	5	389,360	463,199	688,926
Architectural, engineering, and related services	6	622,991	660,981	1,100,451
Specialized design services	<1	65,461	88,369	121,906
Custom computer programming services	1	143,126	150,210	209,618
Computer systems design services	2	190,998	176,551	227,353
Other computer related services, including facilities management	2	177,703	255,512	453,302
Management consulting services	32	2,995,927	3,068,876	4,814,087
Environmental and other technical consulting services	1	105,842	108,999	163,938
Scientific research and development services	179	16,717,140	20,747,173	40,147,660
Advertising, public relations, and related services	4	337,919	413,992	730,967
Photographic services	<1	8,576	16,449	35,731
Veterinary services	<1	43,074	49,335	79,355
Marketing research and all other miscellaneous professional, scientific, and technical services	5	381,126	576,651	1,157,912
Management of companies and enterprises	14	2,074,047	2,339,545	3,627,372
Office administrative services	4	295,265	75,986	247,124
Facilities support services	<1	25,522	34,983	82,961
Employment services	33	1,266,466	1,721,306	2,695,396
Business support services	5	272,083	211,925	368,228
Travel arrangement and reservation services	1	60,320	74,051	189,066
Investigation and security services	3	105,195	100,768	151,794
Services to buildings	6	186,050	238,764	459,989
Landscape and horticultural services	4	169,878	197,689	344,450

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Other support services	2	90,570	109,596	213,676
Waste management and remediation services	1	104,792	176,687	322,316
Elementary and secondary schools	4	153,040	139,449	166,501
Junior colleges, colleges, universities, and professional schools	72	2,475,112	3,607,925	5,101,645
Other educational services	3	100,665	114,724	226,626
Offices of physicians	9	935,697	974,824	1,409,199
Offices of dentists	3	208,465	257,464	371,241
Offices of other health practitioners	3	157,740	223,766	305,927
Outpatient care centers	2	167,051	151,249	267,360
Medical and diagnostic laboratories	<1	30,348	42,725	61,318
Home health care services	5	226,916	215,600	280,359
Other ambulatory health care services	1	60,774	67,239	115,689
Hospitals	19	1,555,462	1,783,139	3,466,186
Nursing and community care facilities	6	237,754	256,898	461,176
Residential mental retardation, mental health, substance abuse and other facilities	3	108,448	114,173	189,047
Individual and family services	7	212,810	176,913	262,884
Child day care services	2	66,647	87,969	123,302
Community food, housing, and other relief services, including rehabilitation services	3	87,642	85,859	198,767
Performing arts companies	<1	19,728	34,533	57,609
Commercial Sports Except Racing	3	109,136	98,408	161,364
Racing and Track Operation	<1	2,682	5,963	9,632
Independent artists, writers, and performers	<1	14,955	73,400	98,493
Promoters of performing arts and sports and agents for public figures	1	31,375	77,675	141,215
Museums, historical sites, zoos, and parks	<1	14,790	21,231	38,231
Amusement parks and arcades	<1	2,635	8,596	12,434
Gambling industries (except casino hotels)	1	36,182	99,755	151,184
Other amusement and recreation industries	2	48,544	58,922	120,561
Fitness and recreational sports centers	1	25,995	41,084	73,225
Bowling centers	<1	7,151	13,531	24,829

Appendix

Hotels and motels, including casino hotels	2	85,353	197,678	282,447
Other accommodations	<1	19,761	31,300	41,758
Full-service restaurants	17	373,156	518,563	971,235
Limited-service restaurants	14	268,320	406,723	960,785
All other food and drinking places	11	305,855	439,383	681,718
Automotive repair and maintenance, except car washes	6	349,813	417,023	610,277
Car washes	3	173,766	276,620	407,755
Electronic and precision equipment repair and maintenance	2	157,429	192,601	313,006
Commercial and industrial machinery and equipment repair and maintenance	2	134,919	133,202	200,098
Personal and household goods repair and maintenance	<1	37,896	74,448	105,634
Personal care services	4	106,921	96,960	132,985
Death care services	<1	27,655	17,516	26,685
Dry-cleaning and laundry services	2	76,370	45,200	64,236
Other personal services	3	96,353	120,177	178,377
Religious organizations	8	357,457	150,516	614,285
Grantmaking, giving, and social advocacy organizations	2	86,246	264,291	412,237
Business and professional associations	<1	68,219	117,669	205,755
Labor and civic organizations	2	63,061	174,834	320,706
Private households	2	27,508	27,504	27,504
Postal service	2	169,127	169,182	180,077
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,748	-1,179	1,149
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	33,232	-36,262	23,512
Local government electric utilities	<1	7,421	17,719	33,847
Other local government enterprises	2	115,775	202,451	498,891
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	1,526,080	2,853,462	6,527,945

Moon to Mars Campaign

Table 692: Detailed M2M Campaign Impacts by Types of Impact, Michigan

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	23	1,746,345	2,835,006	5,130,909
Oilseed farming	<1	76	2,593	6,649
Grain farming	<1	708	1,231	7,937
Vegetable and melon farming	<1	458	866	1,712
Fruit farming	<1	473	938	1,421
Tree nut farming	<1	1	3	4
Greenhouse, nursery, and floriculture production	<1	531	742	1,263
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	505	662	1,209
All other crop farming	<1	74	102	189
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	44	305	1,517
Dairy cattle and milk production	<1	201	501	3,273
Poultry and egg production	<1	77	134	1,028
Animal production, except cattle and poultry and eggs	<1	392	1,918	3,652
Forestry, forest products, and timber tract production	<1	69	69	89
Commercial logging	<1	297	257	454
Commercial fishing	<1	22	75	84
Commercial hunting and trapping	<1	30	109	145
Support activities for agriculture and forestry	<1	1,442	1,307	1,645
Oil and gas extraction	<1	264	261	7,470

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	402	2,488	3,351
Iron ore mining	<1	41	134	515
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	75	442	626
Sand and gravel mining	<1	101	327	477
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	10	31	43
Other nonmetallic minerals	<1	20	65	101
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	4	4	14
Metal mining services	<1	7	9	116
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	<1	135	332	722
Electric power generation - Fossil fuel	<1	3,120	8,651	21,931
Electric power generation - Nuclear	<1	1,813	3,377	7,230
Electric power generation - Solar	<1	<1	2	6
Electric power generation - Wind	<1	6	37	76
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	26	97	286
Electric power generation - All other	<1	41	20	59
Electric power transmission and distribution	<1	4,831	13,127	32,065
Natural gas distribution	<1	1,819	4,200	9,370
Water, sewage and other systems	<1	168	286	511
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,323	6,895	14,619
Maintenance and repair construction of residential structures	<1	2,051	3,166	6,835
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	9
Dog and cat food manufacturing	<1	35	104	332
Other animal food manufacturing	<1	173	308	2,352
Flour milling	<1	136	258	1,501
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	25	135	1,071
Fats and oils refining and blending	<1	7	15	127
Breakfast cereal manufacturing	<1	847	2,123	5,859
Beet sugar manufacturing	<1	203	402	1,625
Sugar cane mills and refining	<1	21	56	246
Nonchocolate confectionery manufacturing	<1	78	121	504
Chocolate and confectionery manufacturing from cacao beans	<1	4	6	46
Confectionery manufacturing from purchased chocolate	<1	56	79	393
Frozen fruits, juices and vegetables manufacturing	<1	228	468	1,757
Frozen specialties manufacturing	<1	238	332	1,279
Canned fruits and vegetables manufacturing	<1	336	691	2,826

Appendix

Canned specialties	<1	96	239	963
Dehydrated food products manufacturing	<1	26	47	175
Cheese manufacturing	<1	88	127	1,191
Dry, condensed, and evaporated dairy product manufacturing	<1	318	785	3,966
Fluid milk manufacturing	<1	240	390	2,335
Creamery butter manufacturing	<1	16	70	381
Ice cream and frozen dessert manufacturing	<1	57	82	325
Frozen cakes and other pastries manufacturing	<1	270	383	725
Poultry processing	<1	214	276	1,014
Animal, except poultry, slaughtering	<1	275	348	2,769
Meat processed from carcasses	<1	794	761	5,841
Rendering and meat byproduct processing	<1	13	16	72
Seafood product preparation and packaging	<1	79	103	406
Bread and bakery product, except frozen, manufacturing	<1	967	1,384	3,335
Cookie and cracker manufacturing	<1	305	467	1,320
Dry pasta, mixes, and dough manufacturing	<1	151	336	958
Tortilla manufacturing	<1	30	38	148
Roasted nuts and peanut butter manufacturing	<1	97	203	689
Other snack food manufacturing	<1	142	298	1,199
Coffee and tea manufacturing	<1	63	121	634
Flavoring syrup and concentrate manufacturing	<1	15	115	277
Mayonnaise, dressing, and sauce manufacturing	<1	45	87	419
Spice and extract manufacturing	<1	170	293	981
All other food manufacturing	<1	133	197	911
Bottled and canned soft drinks & water	<1	553	954	4,150
Manufactured ice	<1	35	21	106
Breweries	<1	350	827	2,924
Wineries	<1	173	286	1,293
Distilleries	<1	81	472	1,367
Tobacco product manufacturing	<1	22	642	1,180
Fiber, yarn, and thread mills	<1	8	17	73
Broadwoven fabric mills	<1	6	14	28
Narrow fabric mills and schiffli machine embroidery	<1	3	4	10

Appendix

Nonwoven fabric mills	<1	8	22	50
Knit fabric mills	<1	2	3	8
Textile and fabric finishing mills	<1	15	22	72
Fabric coating mills	<1	14	22	70
Carpet and rug mills	<1	133	360	854
Curtain and linen mills	<1	8	12	34
Textile bag and canvas mills	<1	61	85	202
Rope, cordage, twine, tire cord and tire fabric mills	<1	3	6	17
Other textile product mills	<1	65	91	222
Hosiery and sock mills	<1	2	4	9
Other apparel knitting mills	<1	3	5	13
Cut and sew apparel contractors	<1	40	44	96
Mens and boys cut and sew apparel manufacturing	<1	116	129	246
Womens and girls cut and sew apparel manufacturing	<1	3	5	23
Other cut and sew apparel manufacturing	<1	5	8	25
Apparel accessories and other apparel manufacturing	<1	13	16	51
Leather and hide tanning and finishing	<1	29	41	146
Footwear manufacturing	<1	37	41	97
Other leather and allied product manufacturing	<1	3	4	9
Sawmills	<1	264	351	1,383
Wood preservation	<1	14	28	141
Veneer and plywood manufacturing	<1	58	77	297
Engineered wood member and truss manufacturing	<1	36	47	142
Reconstituted wood product manufacturing	<1	130	227	881
Wood windows and door manufacturing	<1	161	200	552
Cut stock, resawing lumber, and planing	<1	65	93	290
Other millwork, including flooring	<1	100	135	385
Wood container and pallet manufacturing	<1	199	242	558
Manufactured home (mobile home) manufacturing	<1	5,962	7,301	19,542
Prefabricated wood building manufacturing	<1	24	29	89
All other miscellaneous wood product manufacturing	<1	82	109	326
Pulp mills	<1	6	8	39

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Paper mills	<1	546	849	3,513
Paperboard mills	<1	155	276	1,376
Paperboard container manufacturing	<1	1,037	1,386	6,722
Paper bag and coated and treated paper manufacturing	<1	233	335	1,143
Stationery product manufacturing	<1	35	46	197
Sanitary paper product manufacturing	<1	6	12	67
All other converted paper product manufacturing	<1	114	147	484
Printing	<1	3,289	5,216	9,681
Support activities for printing	<1	280	407	590
Petroleum refineries	<1	572	1,816	9,895
Asphalt paving mixture and block manufacturing	<1	30	37	125
Asphalt shingle and coating materials manufacturing	<1	11	22	53
Petroleum lubricating oil and grease manufacturing	<1	573	1,088	2,541
All other petroleum and coal products manufacturing	<1	149	303	761
Petrochemical manufacturing	<1	24	120	1,051
Industrial gas manufacturing	<1	121	191	785
Synthetic dye and pigment manufacturing	<1	56	84	372
Other basic inorganic chemical manufacturing	<1	101	172	726
Other basic organic chemical manufacturing	<1	145	226	2,381
Plastics material and resin manufacturing	<1	1,591	2,126	14,608
Synthetic rubber manufacturing	<1	11	14	94
Artificial and synthetic fibers and filaments manufacturing	<1	15	19	129
Nitrogenous fertilizer manufacturing	<1	25	43	164
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5	8	40
Pesticide and other agricultural chemical manufacturing	<1	132	262	1,278
Medicinal and botanical manufacturing	<1	64	81	269
Pharmaceutical preparation manufacturing	<1	1,505	3,474	14,257
In-vitro diagnostic substance manufacturing	<1	4	4	10

Appendix

Biological product (except diagnostic) manufacturing	<1	92	143	297
Paint and coating manufacturing	<1	477	703	2,807
Adhesive manufacturing	<1	180	238	962
Soap and other detergent manufacturing	<1	964	2,138	6,275
Polish and other sanitation good manufacturing	<1	99	130	480
Surface active agent manufacturing	<1	20	49	223
Toilet preparation manufacturing	<1	15	32	118
Printing ink manufacturing	<1	43	45	190
Explosives manufacturing	<1	2	2	6
Custom compounding of purchased resins	<1	1,009	1,636	6,675
Photographic film and chemical manufacturing	<1	23	39	228
Other miscellaneous chemical product manufacturing	<1	129	175	773
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	446	643	2,663
Unlaminated plastics profile shape manufacturing	<1	326	594	2,014
Plastics pipe and pipe fitting manufacturing	<1	157	339	1,336
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	104	164	559
Polystyrene foam product manufacturing	<1	345	511	1,719
Urethane and other foam product (except polystyrene) manufacturing	<1	232	331	1,366
Plastics bottle manufacturing	<1	142	200	543
Other plastics product manufacturing	<1	2,614	3,456	10,987
Tire manufacturing	<1	47	64	322
Rubber and plastics hoses and belting manufacturing	<1	95	127	396
Other rubber product manufacturing	<1	428	550	1,820
Pottery, ceramics, and plumbing fixture manufacturing	<1	3	4	17
Brick, tile, and other structural clay product manufacturing	<1	70	103	213
Flat glass manufacturing	<1	44	76	187
Other pressed and blown glass and glassware manufacturing	<1	14	21	48
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	271	399	877
Cement manufacturing	<1	75	148	379
Ready-mix concrete manufacturing	<1	253	377	1,071
Concrete block and brick manufacturing	<1	111	168	401
Concrete pipe manufacturing	<1	17	25	58
Other concrete product manufacturing	<1	87	110	250
Lime manufacturing	<1	21	42	110
Gypsum product manufacturing	<1	53	110	295
Abrasive product manufacturing	<1	120	259	450
Cut stone and stone product manufacturing	<1	79	90	183
Ground or treated mineral and earth manufacturing	<1	108	228	426
Mineral wool manufacturing	<1	59	112	249
Miscellaneous nonmetallic mineral products manufacturing	<1	18	38	74
Iron and steel mills and ferroalloy manufacturing	<1	833	1,391	8,249
Iron, steel pipe and tube manufacturing from purchased steel	<1	120	183	674
Rolled steel shape manufacturing	<1	49	92	465
Steel wire drawing	<1	14	19	93
Alumina refining and primary aluminum production	<1	68	98	889
Secondary smelting and alloying of aluminum	<1	24	38	319
Aluminum sheet, plate, and foil manufacturing	<1	45	79	267
Other aluminum rolling, drawing and extruding	<1	216	288	1,551
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	2	9
Copper rolling, drawing, extruding and alloying	<1	193	278	2,345
Nonferrous metal, except copper and aluminum, shaping	<1	19	22	108
Secondary processing of other nonferrous metals	<1	25	35	219
Ferrous metal foundries	<1	199	275	812
Nonferrous metal foundries	<1	816	1,087	2,667
Custom roll forming	<1	119	183	929
Crown and closure manufacturing and metal stamping	<1	510	622	1,703
Iron and steel forging	<1	1,368	2,047	5,832

Appendix

Nonferrous forging	<1	372	501	1,730
Cutlery, utensil, pot, and pan manufacturing	<1	16	39	150
Handtool manufacturing	<1	193	294	574
Prefabricated metal buildings and components manufacturing	<1	17	21	69
Fabricated structural metal manufacturing	<1	186	254	810
Plate work manufacturing	<1	124	135	402
Metal window and door manufacturing	<1	145	186	498
Sheet metal work manufacturing	<1	1,246	1,562	3,642
Ornamental and architectural metal work manufacturing	<1	49	60	169
Power boiler and heat exchanger manufacturing	<1	2	3	7
Metal tank (heavy gauge) manufacturing	<1	18	21	68
Metal cans manufacturing	<1	11	23	110
Metal barrels, drums and pails manufacturing	<1	32	38	145
Hardware manufacturing	<1	163	237	719
Spring and wire product manufacturing	<1	215	272	833
Machine shops	<1	1,854	2,204	4,521
Turned product and screw, nut, and bolt manufacturing	<1	2,027	2,771	7,441
Metal heat treating	<1	603	823	2,144
Metal coating and nonprecious engraving	<1	1,009	1,622	4,344
Electroplating, anodizing, and coloring metal	<1	935	1,043	2,374
Valve and fittings, other than plumbing, manufacturing	<1	153	231	635
Plumbing fixture fitting and trim manufacturing	<1	53	130	459
Ball and roller bearing manufacturing	<1	89	145	353
Small arms ammunition manufacturing	<1	10	18	37
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	4	6	16
Fabricated pipe and pipe fitting manufacturing	<1	54	64	188
Other fabricated metal manufacturing	<1	340	429	1,104
Farm machinery and equipment manufacturing	<1	9	15	59

Appendix

Lawn and garden equipment manufacturing	<1	16	27	111
Construction machinery manufacturing	<1	9	19	65
Mining machinery and equipment manufacturing	<1	<1	1	4
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	1	2	3
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	6	7	20
Printing machinery and equipment manufacturing	<1	4	4	10
All other industrial machinery manufacturing	<1	41	51	133
Optical instrument and lens manufacturing	<1	4	5	15
Photographic and photocopying equipment manufacturing	<1	2	2	9
Other commercial service industry machinery manufacturing	<1	31	48	157
Air purification and ventilation equipment manufacturing	<1	18	23	59
Heating equipment (except warm air furnaces) manufacturing	<1	32	47	126
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	132	224	707
Industrial mold manufacturing	<1	97	111	205
Special tool, die, jig, and fixture manufacturing	<1	342	435	771
Cutting tool and machine tool accessory manufacturing	<1	130	145	313
Machine tool manufacturing	<1	36	45	130
Rolling mill and other metalworking machinery manufacturing	<1	30	35	73
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	145	209	577
Mechanical power transmission equipment manufacturing	<1	46	69	156
Other engine equipment manufacturing	<1	887	1,763	5,933

Appendix

Pump and pumping equipment manufacturing	<1	7	12	41
Air and gas compressor manufacturing	<1	3	5	16
Elevator and moving stairway manufacturing	<1	1	2	5
Conveyor and conveying equipment manufacturing	<1	53	59	143
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	10
Industrial truck, trailer, and stacker manufacturing	<1	4	6	20
Power-driven handtool manufacturing	<1	9	20	57
Welding and soldering equipment manufacturing	<1	42	58	139
Packaging machinery manufacturing	<1	11	15	43
Industrial process furnace and oven manufacturing	<1	20	23	49
Fluid power cylinder and actuator manufacturing	<1	111	150	379
Fluid power pump and motor manufacturing	<1	67	99	343
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	70	84	201
Electronic computer manufacturing	<1	5	8	31
Computer storage device manufacturing	<1	8	12	36
Computer terminals and other computer peripheral equipment manufacturing	<1	13,371	18,262	44,607
Telephone apparatus manufacturing	<1	1	1	7
Broadcast and wireless communications equipment manufacturing	<1	6	8	29
Other communications equipment manufacturing	<1	20	24	88
Audio and video equipment manufacturing	<1	6	8	32
Printed circuit assembly (electronic assembly) manufacturing	<1	4,025	5,080	25,017
Bare printed circuit board manufacturing	<1	385	430	1,326
Semiconductor and related device manufacturing	<1	248	314	1,104

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	58	70	196
Electronic connector manufacturing	<1	79	92	170
Other electronic component manufacturing	<1	579	659	1,681
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	6	16
Search, detection, and navigation instruments manufacturing	<1	43	52	115
Automatic environmental control manufacturing	<1	195	226	680
Industrial process variable instruments manufacturing	<1	80	99	272
Totalizing fluid meter and counting device manufacturing	<1	11	15	45
Electricity and signal testing instruments manufacturing	<1	415	510	1,839
Analytical laboratory instrument manufacturing	<1	42,436	53,829	144,108
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	63	81	248
Blank magnetic and optical recording media manufacturing	<1	3	5	27
Software and other prerecorded and record reproducing	<1	18	21	45
Electric lamp bulb and part manufacturing	<1	4	7	13
Lighting fixture manufacturing	<1	49	67	178
Small electrical appliance manufacturing	<1	194	391	852
Household cooking appliance manufacturing	<1	349	737	1,641
Household refrigerator and home freezer manufacturing	<1	465	1,026	2,202
Household laundry equipment manufacturing	<1	790	1,341	3,646
Other major household appliance manufacturing	<1	287	681	1,367
Power, distribution, and specialty transformer manufacturing	<1	5	7	19
Motor and generator manufacturing	<1	67	106	342
Switchgear and switchboard apparatus manufacturing	<1	55	89	279

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Relay and industrial control manufacturing	<1	433	577	1,332
Storage battery manufacturing	<1	360	470	1,141
Primary battery manufacturing	<1	464	889	1,552
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	4	16
Wiring device manufacturing	<1	382	666	1,808
Carbon and graphite product manufacturing	<1	120	196	637
All other miscellaneous electrical equipment and component manufacturing	<1	11	13	39
Automobile manufacturing	<1	510	2,403	5,979
Light truck and utility vehicle manufacturing	<1	166	458	3,573
Heavy duty truck manufacturing	<1	<1	3	11
Motor vehicle body manufacturing	<1	25	38	107
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	84	96	388
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,771	2,980	11,306
Motor vehicle electrical and electronic equipment manufacturing	<1	958	1,312	4,240
Motor vehicle transmission and power train parts manufacturing	<1	7,344	12,795	33,448
Motor vehicle seating and interior trim manufacturing	<1	278	356	1,409
Motor vehicle metal stamping	<1	2,633	3,573	10,279
Other motor vehicle parts manufacturing	<1	2,234	3,156	12,953
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	985	1,876	4,843
Aircraft manufacturing	<1	<1	<1	3
Aircraft engine and engine parts manufacturing	<1	392	500	1,645
Other aircraft parts and auxiliary equipment manufacturing	<1	13	15	38
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	14	16	35

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	<1	1	1	3
Boat building	<1	355	425	1,524
Motorcycle, bicycle, and parts manufacturing	<1	7	13	51
Military armored vehicle, tank, and tank component manufacturing	<1	93	126	368
All other transportation equipment manufacturing	<1	154	227	930
Wood kitchen cabinet and countertop manufacturing	<1	94	114	251
Upholstered household furniture manufacturing	<1	27	30	96
Nonupholstered wood household furniture manufacturing	<1	49	55	153
Other household nonupholstered furniture manufacturing	<1	47	68	209
Institutional furniture manufacturing	<1	13	14	38
Wood office furniture manufacturing	<1	9	11	27
Custom architectural woodwork and millwork	<1	5	5	13
Office furniture, except wood, manufacturing	<1	81	122	319
Showcase, partition, shelving, and locker manufacturing	<1	91	116	304
Mattress manufacturing	<1	25	40	142
Blind and shade manufacturing	<1	5	5	22
Surgical and medical instrument manufacturing	<1	103	162	353
Surgical appliance and supplies manufacturing	<1	984	1,658	3,079
Dental equipment and supplies manufacturing	<1	8	12	26
Ophthalmic goods manufacturing	<1	10	17	34
Dental laboratories	<1	106	109	189
Jewelry and silverware manufacturing	<1	101	152	381
Sporting and athletic goods manufacturing	<1	88	113	316
Doll, toy, and game manufacturing	<1	44	66	232
Office supplies (except paper) manufacturing	<1	15	20	62
Sign manufacturing	<1	130	116	278
Gasket, packing, and sealing device manufacturing	<1	135	156	306

Appendix

Musical instrument manufacturing	<1	25	27	63
Fasteners, buttons, needles, and pins manufacturing	<1	94	117	240
Broom, brush, and mop manufacturing	<1	105	165	328
Burial casket manufacturing	<1	11	14	27
All other miscellaneous manufacturing	<1	634	804	1,747
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,505	3,188	6,210
Wholesale - Professional and commercial equipment and supplies	<1	6,294	9,549	15,726
Wholesale - Household appliances and electrical and electronic goods	<1	6,225	13,379	25,285
Wholesale - Machinery, equipment, and supplies	<1	2,625	4,598	7,843
Wholesale - Other durable goods merchant wholesalers	<1	4,445	7,215	13,422
Wholesale - Drugs and druggists' sundries	<1	2,662	7,207	13,172
Wholesale - Grocery and related product wholesalers	<1	3,834	5,071	9,661
Wholesale - Petroleum and petroleum products	<1	701	9,351	10,977
Wholesale - Other nondurable goods merchant wholesalers	<1	5,854	11,414	20,756
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,446	4,596	5,358
Retail - Motor vehicle and parts dealers	<1	4,526	7,052	10,171
Retail - Furniture and home furnishings stores	<1	2,285	2,937	4,734
Retail - Electronics and appliance stores	<1	2,955	2,892	4,695
Retail - Building material and garden equipment and supplies stores	<1	2,739	5,043	7,431
Retail - Food and beverage stores	<1	6,908	9,287	15,202
Retail - Health and personal care stores	<1	5,064	6,322	9,608
Retail - Gasoline stores	<1	2,032	3,479	6,584
Retail - Clothing and clothing accessories stores	<1	2,646	4,226	8,780
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,834	2,430	4,087
Retail - General merchandise stores	<1	6,967	10,285	16,927

Appendix

Retail - Miscellaneous store retailers	<1	3,874	4,586	7,448
Retail - Nonstore retailers	<1	2,999	10,760	23,355
Air transportation	<1	5,810	12,044	20,397
Rail transportation	<1	598	852	1,890
Water transportation	<1	352	516	2,751
Truck transportation	<1	9,356	11,568	23,175
Transit and ground passenger transportation	<1	2,441	2,985	4,373
Pipeline transportation	<1	1,369	2,648	3,106
Scenic and sightseeing transportation and support activities for transportation	<1	5,023	5,546	11,910
Couriers and messengers	<1	2,613	3,624	6,167
Warehousing and storage	<1	6,367	7,101	13,068
Newspaper publishers	<1	921	1,612	2,000
Periodical publishers	<1	857	1,393	1,975
Book publishers	<1	700	2,224	3,414
Directory, mailing list, and other publishers	<1	88	260	385
Greeting card publishing	<1	25	74	103
Software publishers	2	216,252	499,144	550,531
Motion picture and video industries	<1	1,279	2,403	6,571
Sound recording industries	<1	96	617	1,123
Radio and television broadcasting	<1	3,868	4,725	11,156
Cable and other subscription programming	<1	173	873	1,936
Wired telecommunications carriers	<1	4,291	9,578	17,613
Wireless telecommunications carriers (except satellite)	<1	549	4,173	10,706
Satellite, telecommunications resellers, and all other telecommunications	<1	977	1,391	3,785
Data processing, hosting, and related services	<1	3,884	7,959	19,098
News syndicates, libraries, archives and all other information services	<1	952	1,796	3,319
Internet publishing and broadcasting and web search portals	<1	2,965	7,006	14,820
Nondepository credit intermediation and related activities	<1	10,661	12,481	19,826
Securities and commodity contracts intermediation and brokerage	<1	8,965	8,457	18,421

Appendix

Monetary authorities and depository credit intermediation	<1	17,148	32,010	64,562
Other financial investment activities	<1	5,675	7,631	22,286
Direct life insurance carriers	<1	1,495	3,222	4,656
Insurance carriers, except direct life	<1	9,941	37,674	70,179
Insurance agencies, brokerages, and related activities	<1	8,313	14,809	31,923
Funds, trusts, and other financial vehicles	<1	2,000	2,755	12,280
Other real estate	<1	27,768	73,005	177,271
Tenant-occupied housing	<1	3,501	30,270	35,432
Owner-occupied dwellings	0	0	105,624	134,085
Automotive equipment rental and leasing	<1	2,966	8,423	10,832
General and consumer goods rental except video tapes and discs	<1	1,727	2,097	3,463
Video tape and disc rental	<1	420	753	1,180
Commercial and industrial machinery and equipment rental and leasing	<1	1,696	4,422	5,907
Lessors of nonfinancial intangible assets	<1	71	9,181	9,929
Legal services	<1	20,823	33,522	45,480
Accounting, tax preparation, bookkeeping, and payroll services	<1	11,032	13,488	19,545
Architectural, engineering, and related services	<1	12,076	12,989	21,333
Specialized design services	<1	1,624	2,264	3,047
Custom computer programming services	<1	8,255	8,574	11,718
Computer systems design services	<1	5,626	5,206	6,629
Other computer related services, including facilities management	<1	5,071	7,230	12,582
Management consulting services	<1	19,961	20,573	31,557
Environmental and other technical consulting services	<1	2,741	2,856	4,246
Scientific research and development services	3	285,400	351,152	662,461
Advertising, public relations, and related services	<1	11,150	13,948	23,580
Photographic services	<1	224	459	955
Veterinary services	<1	1,378	1,617	2,545
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	11,685	18,352	35,697

Appendix

Management of companies and enterprises	<1	65,255	74,041	112,785
Office administrative services	<1	9,721	2,667	8,020
Facilities support services	<1	647	893	2,025
Employment services	<1	32,006	44,264	66,763
Business support services	<1	6,169	4,884	8,194
Travel arrangement and reservation services	<1	1,494	1,844	4,684
Investigation and security services	<1	3,044	2,931	4,296
Services to buildings	<1	4,925	6,422	11,897
Landscape and horticultural services	<1	4,352	5,108	8,692
Other support services	<1	2,577	3,144	6,007
Waste management and remediation services	<1	2,736	4,606	8,328
Elementary and secondary schools	<1	6,138	5,601	6,606
Junior colleges, colleges, universities, and professional schools	1	47,406	68,019	95,914
Other educational services	<1	3,572	4,101	7,856
Offices of physicians	<1	30,851	32,293	46,664
Offices of dentists	<1	6,961	8,729	12,459
Offices of other health practitioners	<1	5,139	7,456	10,104
Outpatient care centers	<1	5,659	5,158	9,209
Medical and diagnostic laboratories	<1	1,032	1,486	2,101
Home health care services	<1	7,546	7,202	9,432
Other ambulatory health care services	<1	2,042	2,279	3,888
Hospitals	<1	57,908	65,906	127,459
Nursing and community care facilities	<1	8,226	8,896	15,666
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,119	4,345	7,082
Individual and family services	<1	7,470	6,268	9,218
Child day care services	<1	2,333	3,120	4,302
Community food, housing, and other relief services, including rehabilitation services	<1	3,310	3,254	7,375
Performing arts companies	<1	720	1,241	1,942
Commercial Sports Except Racing	<1	3,505	3,056	4,972
Racing and Track Operation	<1	98	217	319
Independent artists, writers, and performers	<1	495	2,265	2,981

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,074	2,590	4,477
Museums, historical sites, zoos, and parks	<1	498	714	1,265
Amusement parks and arcades	<1	98	287	415
Gambling industries (except casino hotels)	<1	1,278	3,435	5,139
Other amusement and recreation industries	<1	1,550	1,805	3,659
Fitness and recreational sports centers	<1	906	1,362	2,405
Bowling centers	<1	234	430	780
Hotels and motels, including casino hotels	<1	2,853	6,511	9,196
Other accommodations	<1	777	1,222	1,611
Full-service restaurants	<1	11,027	15,488	28,509
Limited-service restaurants	<1	8,744	13,354	30,734
All other food and drinking places	<1	8,696	12,501	19,012
Automotive repair and maintenance, except car washes	<1	11,868	13,695	20,030
Car washes	<1	5,832	9,241	13,550
Electronic and precision equipment repair and maintenance	<1	61,251	75,933	120,664
Commercial and industrial machinery and equipment repair and maintenance	<1	7,621	7,420	10,894
Personal and household goods repair and maintenance	<1	1,126	2,159	3,061
Personal care services	<1	3,767	3,303	4,542
Death care services	<1	1,070	589	927
Dry-cleaning and laundry services	<1	2,805	1,438	2,118
Other personal services	<1	3,127	3,859	5,690
Religious organizations	<1	12,790	4,677	21,112
Grantmaking, giving, and social advocacy organizations	<1	3,022	8,693	13,590
Business and professional associations	<1	2,217	3,645	6,296
Labor and civic organizations	<1	2,407	6,282	11,725
Private households	<1	986	986	986
Postal service	<1	4,642	4,644	4,939
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	61	-49	41
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	971	-1,107	558
Local government electric utilities	<1	192	434	824
Other local government enterprises	<1	3,056	5,079	12,506
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	222,846	390,808	894,064

Investments in Climate Change Research and Technology

Table 693: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Michigan

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>347</i>	<i>21,930,082</i>	<i>32,074,929</i>	<i>62,676,064</i>
Oilseed farming	<1	1,036	20,961	45,286
Grain farming	<1	12,723	17,706	143,302
Vegetable and melon farming	<1	5,950	11,109	22,237
Fruit farming	<1	5,177	10,379	15,752
Tree nut farming	<1	11	22	32
Greenhouse, nursery, and floriculture production	<1	7,926	11,075	19,503
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	6,891	9,332	18,128
All other crop farming	<1	1,548	2,046	3,967
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	736	6,728	37,085

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Dairy cattle and milk production	<1	2,075	5,844	41,389
Poultry and egg production	<1	1,551	2,365	21,874
Animal production, except cattle and poultry and eggs	1	13,947	52,078	94,447
Forestry, forest products, and timber tract production	<1	1,175	1,171	1,598
Commercial logging	<1	3,935	3,383	6,457
Commercial fishing	<1	259	1,441	1,554
Commercial hunting and trapping	<1	277	1,906	2,465
Support activities for agriculture and forestry	<1	32,767	30,102	37,732
Oil and gas extraction	<1	8,034	6,261	170,586
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	15,623	83,416	121,153
Iron ore mining	<1	1,032	3,336	13,023
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,348	11,150	14,827
Sand and gravel mining	<1	2,346	8,998	13,321
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	162	733	1,046
Other nonmetallic minerals	<1	370	1,362	2,154
Drilling oil and gas wells	<1	2	2	11
Support activities for oil and gas operations	<1	153	154	488
Metal mining services	<1	144	167	1,872
Other nonmetallic minerals services	<1	13	12	183
Electric power generation - Hydroelectric	<1	2,397	5,576	12,182
Electric power generation - Fossil fuel	<1	35,613	107,345	305,752
Electric power generation - Nuclear	<1	26,902	49,773	115,764
Electric power generation - Solar	<1	7	28	99
Electric power generation - Wind	<1	162	962	2,152
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	424	1,401	4,675
Electric power generation - All other	<1	394	195	700
Electric power transmission and distribution	<1	73,162	203,999	534,643
Natural gas distribution	<1	23,331	51,814	124,427
Water, sewage and other systems	<1	2,606	4,639	9,023
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	84,063	133,886	294,743
Maintenance and repair construction of residential structures	<1	26,351	40,490	90,797
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	39	63	137
Dog and cat food manufacturing	<1	537	1,517	5,154
Other animal food manufacturing	<1	3,412	5,697	47,075
Flour milling	<1	2,482	4,775	27,517
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	318	1,729	14,130
Fats and oils refining and blending	<1	76	152	1,338
Breakfast cereal manufacturing	<1	11,752	28,525	85,912
Beet sugar manufacturing	<1	2,714	5,811	23,802

Appendix

Sugar cane mills and refining	<1	192	512	2,365
Nonchocolate confectionery manufacturing	<1	741	1,153	5,214
Chocolate and confectionery manufacturing from cacao beans	<1	26	41	326
Confectionery manufacturing from purchased chocolate	<1	752	1,055	5,646
Frozen fruits, juices and vegetables manufacturing	<1	2,487	4,901	21,425
Frozen specialties manufacturing	<1	2,946	4,170	16,567
Canned fruits and vegetables manufacturing	<1	2,914	5,969	25,232
Canned specialties	<1	1,290	3,384	13,769
Dehydrated food products manufacturing	<1	221	402	1,538
Cheese manufacturing	<1	865	1,242	11,592
Dry, condensed, and evaporated dairy product manufacturing	<1	3,389	8,233	48,306
Fluid milk manufacturing	<1	2,842	4,533	28,238
Creamery butter manufacturing	<1	207	992	5,532
Ice cream and frozen dessert manufacturing	<1	715	984	4,433
Frozen cakes and other pastries manufacturing	<1	3,281	4,673	9,096
Poultry processing	<1	4,762	5,805	22,484
Animal, except poultry, slaughtering	<1	4,909	6,119	49,840
Meat processed from carcasses	<1	10,746	10,126	80,443
Rendering and meat byproduct processing	<1	168	207	969
Seafood product preparation and packaging	<1	1,263	1,584	6,986
Bread and bakery product, except frozen, manufacturing	<1	12,033	17,256	42,365
Cookie and cracker manufacturing	<1	3,210	4,623	15,081
Dry pasta, mixes, and dough manufacturing	<1	1,819	4,101	11,073
Tortilla manufacturing	<1	428	540	2,214
Roasted nuts and peanut butter manufacturing	<1	1,091	2,152	8,060
Other snack food manufacturing	<1	1,926	4,122	16,711
Coffee and tea manufacturing	<1	807	1,501	8,039
Flavoring syrup and concentrate manufacturing	<1	199	1,630	3,815
Mayonnaise, dressing, and sauce manufacturing	<1	496	985	4,992
Spice and extract manufacturing	<1	1,475	2,442	8,956
All other food manufacturing	<1	1,341	1,999	9,783

Appendix

Bottled and canned soft drinks & water	<1	8,385	14,102	63,958
Manufactured ice	<1	488	264	1,588
Breweries	<1	4,269	9,513	34,651
Wineries	<1	1,467	2,421	11,740
Distilleries	<1	1,122	5,965	18,750
Tobacco product manufacturing	<1	265	5,734	11,955
Fiber, yarn, and thread mills	<1	132	236	1,258
Broadwoven fabric mills	<1	127	254	580
Narrow fabric mills and schiffli machine embroidery	<1	36	42	112
Nonwoven fabric mills	<1	91	230	587
Knit fabric mills	<1	18	27	65
Textile and fabric finishing mills	<1	104	161	544
Fabric coating mills	<1	115	191	666
Carpet and rug mills	<1	1,627	3,558	11,002
Curtain and linen mills	<1	85	131	403
Textile bag and canvas mills	<1	920	1,246	3,160
Rope, cordage, twine, tire cord and tire fabric mills	<1	117	226	665
Other textile product mills	<1	797	1,093	2,927
Hosiery and sock mills	<1	32	53	145
Other apparel knitting mills	<1	32	55	142
Cut and sew apparel contractors	<1	530	579	1,338
Mens and boys cut and sew apparel manufacturing	<1	995	1,094	2,389
Womens and girls cut and sew apparel manufacturing	<1	21	36	173
Other cut and sew apparel manufacturing	<1	39	60	212
Apparel accessories and other apparel manufacturing	<1	115	149	538
Leather and hide tanning and finishing	<1	379	476	1,889
Footwear manufacturing	<1	648	683	1,952
Other leather and allied product manufacturing	<1	34	35	88
Sawmills	<1	3,843	5,060	19,793
Wood preservation	<1	212	424	2,018
Veneer and plywood manufacturing	<1	1,254	1,670	6,220
Engineered wood member and truss manufacturing	<1	754	957	2,950
Reconstituted wood product manufacturing	<1	1,654	2,958	11,011
Wood windows and door manufacturing	<1	4,303	5,290	14,966

Appendix

Cut stock, resawing lumber, and planing	<1	988	1,431	4,483
Other millwork, including flooring	<1	2,036	2,741	8,257
Wood container and pallet manufacturing	<1	2,948	3,563	8,465
Manufactured home (mobile home) manufacturing	<1	3	4	8
Prefabricated wood building manufacturing	<1	462	564	1,629
All other miscellaneous wood product manufacturing	<1	1,159	1,474	4,986
Pulp mills	<1	267	366	1,797
Paper mills	<1	11,366	21,220	76,692
Paperboard mills	<1	4,312	8,169	37,758
Paperboard container manufacturing	<1	10,246	13,960	68,841
Paper bag and coated and treated paper manufacturing	<1	3,396	5,244	18,305
Stationery product manufacturing	<1	502	689	3,129
Sanitary paper product manufacturing	<1	100	224	1,186
All other converted paper product manufacturing	<1	1,980	2,612	8,072
Printing	<1	39,893	59,996	124,327
Support activities for printing	<1	2,887	4,153	6,248
Petroleum refineries	<1	11,182	33,856	186,000
Asphalt paving mixture and block manufacturing	<1	548	681	2,434
Asphalt shingle and coating materials manufacturing	<1	237	446	1,082
Petroleum lubricating oil and grease manufacturing	<1	7,313	13,796	33,960
All other petroleum and coal products manufacturing	<1	3,302	7,672	19,520
Petrochemical manufacturing	<1	1,601	8,453	79,474
Industrial gas manufacturing	<1	3,366	5,082	21,233
Synthetic dye and pigment manufacturing	<1	768	1,084	4,378
Other basic inorganic chemical manufacturing	<1	2,555	3,833	16,763
Other basic organic chemical manufacturing	<1	4,389	6,689	62,429
Plastics material and resin manufacturing	<1	32,333	41,085	253,485
Synthetic rubber manufacturing	<1	207	262	1,623
Artificial and synthetic fibers and filaments manufacturing	<1	128	166	1,099

Appendix

Nitrogenous fertilizer manufacturing	<1	356	588	2,464
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	100	144	730
Pesticide and other agricultural chemical manufacturing	<1	3,401	6,615	30,925
Medicinal and botanical manufacturing	<1	531	638	2,354
Pharmaceutical preparation manufacturing	<1	12,885	27,683	124,168
In-vitro diagnostic substance manufacturing	<1	19	22	51
Biological product (except diagnostic) manufacturing	<1	644	934	2,131
Paint and coating manufacturing	<1	5,678	7,802	31,436
Adhesive manufacturing	<1	1,462	1,799	8,135
Soap and other detergent manufacturing	<1	11,044	21,739	82,814
Polish and other sanitation good manufacturing	<1	1,202	1,488	6,161
Surface active agent manufacturing	<1	350	732	3,783
Toilet preparation manufacturing	<1	150	295	1,151
Printing ink manufacturing	<1	408	428	1,796
Explosives manufacturing	<1	67	72	250
Custom compounding of purchased resins	<1	2,755	3,624	17,417
Photographic film and chemical manufacturing	<1	492	807	4,967
Other miscellaneous chemical product manufacturing	<1	9,138	11,769	50,307
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,808	4,143	17,531
Unlaminated plastics profile shape manufacturing	<1	1,703	3,148	11,159
Plastics pipe and pipe fitting manufacturing	<1	913	2,027	7,620
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,528	2,485	8,255
Polystyrene foam product manufacturing	<1	6,796	10,222	34,355
Urethane and other foam product (except polystyrene) manufacturing	<1	3,583	5,192	21,865
Plastics bottle manufacturing	<1	1,427	2,033	5,905
Other plastics product manufacturing	<1	30,531	40,248	135,976

Appendix

Tire manufacturing	<1	934	1,281	6,368
Rubber and plastics hoses and belting manufacturing	<1	1,956	2,658	8,276
Other rubber product manufacturing	<1	9,757	12,680	40,053
Pottery, ceramics, and plumbing fixture manufacturing	<1	23	33	142
Brick, tile, and other structural clay product manufacturing	<1	842	1,303	2,536
Flat glass manufacturing	<1	505	945	2,266
Other pressed and blown glass and glassware manufacturing	<1	209	334	763
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	4,463	6,852	14,627
Cement manufacturing	<1	1,644	3,477	8,606
Ready-mix concrete manufacturing	<1	6,705	10,314	28,787
Concrete block and brick manufacturing	<1	1,256	2,044	4,631
Concrete pipe manufacturing	<1	352	549	1,176
Other concrete product manufacturing	<1	1,495	1,974	4,325
Lime manufacturing	<1	774	1,540	4,003
Gypsum product manufacturing	<1	556	1,281	3,219
Abrasive product manufacturing	<1	1,030	2,505	4,203
Cut stone and stone product manufacturing	<1	1,590	1,816	3,707
Ground or treated mineral and earth manufacturing	<1	2,210	4,925	8,928
Mineral wool manufacturing	<1	356	712	1,594
Miscellaneous nonmetallic mineral products manufacturing	<1	359	883	1,733
Iron and steel mills and ferroalloy manufacturing	<1	20,898	41,355	205,634
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,023	1,815	6,320
Rolled steel shape manufacturing	<1	711	1,535	6,255
Steel wire drawing	<1	171	270	1,194
Alumina refining and primary aluminum production	<1	415	688	6,680
Secondary smelting and alloying of aluminum	<1	171	312	2,531
Aluminum sheet, plate, and foil manufacturing	<1	211	420	1,182
Other aluminum rolling, drawing and extruding	<1	908	1,361	7,007

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	16	71	354
Copper rolling, drawing, extruding and alloying	<1	901	1,382	12,335
Nonferrous metal, except copper and aluminum, shaping	<1	100	125	559
Secondary processing of other nonferrous metals	<1	223	468	2,307
Ferrous metal foundries	<1	2,243	3,599	9,506
Nonferrous metal foundries	<1	5,984	8,630	20,721
Custom roll forming	<1	738	1,184	5,897
Crown and closure manufacturing and metal stamping	<1	2,473	3,038	8,664
Iron and steel forging	<1	1,955	2,982	8,562
Nonferrous forging	<1	439	612	2,203
Cutlery, utensil, pot, and pan manufacturing	<1	123	292	1,178
Handtool manufacturing	<1	1,133	1,731	3,561
Prefabricated metal buildings and components manufacturing	<1	297	412	1,263
Fabricated structural metal manufacturing	<1	4,186	5,931	18,953
Plate work manufacturing	<1	2,099	2,272	6,918
Metal window and door manufacturing	<1	1,648	2,166	5,918
Sheet metal work manufacturing	<1	3,756	4,799	11,560
Ornamental and architectural metal work manufacturing	<1	1,048	1,324	3,861
Power boiler and heat exchanger manufacturing	<1	25	33	84
Metal tank (heavy gauge) manufacturing	<1	124	154	513
Metal cans manufacturing	<1	111	227	1,096
Metal barrels, drums and pails manufacturing	<1	267	323	1,302
Hardware manufacturing	<1	1,484	2,219	6,881
Spring and wire product manufacturing	<1	1,704	2,248	6,808
Machine shops	<1	12,100	14,497	30,519
Turned product and screw, nut, and bolt manufacturing	<1	4,176	5,876	16,275
Metal heat treating	<1	2,040	2,838	7,368
Metal coating and nonprecious engraving	<1	3,436	5,682	14,957
Electroplating, anodizing, and coloring metal	<1	3,586	4,033	9,233
Valve and fittings, other than plumbing, manufacturing	<1	1,860	2,789	7,854

Appendix

Plumbing fixture fitting and trim manufacturing	<1	355	889	3,230
Ball and roller bearing manufacturing	<1	326	559	1,407
Small arms ammunition manufacturing	<1	128	238	527
Ammunition, except for small arms, manufacturing	<1	<1	1	2
Small arms, ordnance, and accessories manufacturing	<1	41	72	194
Fabricated pipe and pipe fitting manufacturing	<1	1,366	1,661	4,732
Other fabricated metal manufacturing	<1	3,448	4,387	11,635
Farm machinery and equipment manufacturing	<1	187	310	1,146
Lawn and garden equipment manufacturing	<1	198	314	1,449
Construction machinery manufacturing	<1	330	648	2,459
Mining machinery and equipment manufacturing	<1	36	52	140
Oil and gas field machinery and equipment manufacturing	<1	3	4	11
Semiconductor machinery manufacturing	<1	14	15	34
Food product machinery manufacturing	<1	6	7	22
Sawmill, woodworking, and paper machinery	<1	129	142	414
Printing machinery and equipment manufacturing	<1	32	35	97
All other industrial machinery manufacturing	<1	350	418	1,115
Optical instrument and lens manufacturing	<1	88	114	364
Photographic and photocopying equipment manufacturing	<1	5	6	25
Other commercial service industry machinery manufacturing	<1	356	514	1,763
Air purification and ventilation equipment manufacturing	<1	295	366	945
Heating equipment (except warm air furnaces) manufacturing	<1	406	559	1,728
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,929	3,064	10,636
Industrial mold manufacturing	<1	1,036	1,161	2,250
Special tool, die, jig, and fixture manufacturing	<1	1,847	2,256	4,228

Appendix

Cutting tool and machine tool accessory manufacturing	<1	836	916	2,019
Machine tool manufacturing	<1	218	259	765
Rolling mill and other metalworking machinery manufacturing	<1	265	300	658
Turbine and turbine generator set units manufacturing	<1	3	4	13
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,606	2,174	6,937
Mechanical power transmission equipment manufacturing	<1	1,320	1,865	4,545
Other engine equipment manufacturing	<1	5,925	10,529	46,766
Pump and pumping equipment manufacturing	<1	88	135	511
Air and gas compressor manufacturing	<1	60	94	327
Elevator and moving stairway manufacturing	<1	16	20	64
Conveyor and conveying equipment manufacturing	<1	580	636	1,607
Overhead cranes, hoists, and monorail systems manufacturing	<1	28	46	155
Industrial truck, trailer, and stacker manufacturing	<1	64	93	322
Power-driven handtool manufacturing	<1	40	86	276
Welding and soldering equipment manufacturing	<1	222	291	876
Packaging machinery manufacturing	<1	79	102	301
Industrial process furnace and oven manufacturing	<1	93	105	240
Fluid power cylinder and actuator manufacturing	<1	1,332	1,735	4,321
Fluid power pump and motor manufacturing	<1	211	301	1,124
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	437	507	1,323
Electronic computer manufacturing	<1	22	31	142
Computer storage device manufacturing	<1	46	69	207
Computer terminals and other computer peripheral equipment manufacturing	<1	605	782	2,175
Telephone apparatus manufacturing	<1	39	52	240

Appendix

Broadcast and wireless communications equipment manufacturing	<1	13	16	64
Other communications equipment manufacturing	<1	294	383	1,284
Audio and video equipment manufacturing	<1	39	51	225
Printed circuit assembly (electronic assembly) manufacturing	<1	2,819	3,727	18,324
Bare printed circuit board manufacturing	<1	825	940	2,591
Semiconductor and related device manufacturing	<1	117	160	625
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	145	176	512
Electronic connector manufacturing	<1	242	291	538
Other electronic component manufacturing	<1	517	608	1,549
Electromedical and electrotherapeutic apparatus manufacturing	<1	38	51	135
Search, detection, and navigation instruments manufacturing	<1	27	33	78
Automatic environmental control manufacturing	<1	1,180	1,389	4,263
Industrial process variable instruments manufacturing	<1	306	385	1,063
Totalizing fluid meter and counting device manufacturing	<1	221	344	979
Electricity and signal testing instruments manufacturing	<1	254	316	1,124
Analytical laboratory instrument manufacturing	<1	39,896	51,977	135,818
Irradiation apparatus manufacturing	<1	2	3	8
Watch, clock, and other measuring and controlling device manufacturing	<1	265	344	1,063
Blank magnetic and optical recording media manufacturing	<1	11	19	124
Software and other prerecorded and record reproducing	<1	195	232	591
Electric lamp bulb and part manufacturing	<1	42	70	134
Lighting fixture manufacturing	<1	359	495	1,360
Small electrical appliance manufacturing	<1	1,801	3,369	8,475

Appendix

Household cooking appliance manufacturing	<1	3,966	7,263	17,388
Household refrigerator and home freezer manufacturing	<1	4,205	7,947	18,449
Household laundry equipment manufacturing	<1	9,941	15,129	43,304
Other major household appliance manufacturing	<1	1,574	3,145	6,904
Power, distribution, and specialty transformer manufacturing	<1	43	60	170
Motor and generator manufacturing	<1	482	733	2,432
Switchgear and switchboard apparatus manufacturing	<1	542	827	2,804
Relay and industrial control manufacturing	<1	804	1,044	2,512
Storage battery manufacturing	<1	3,142	4,214	10,689
Primary battery manufacturing	<1	4,362	4,465	14,393
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	8	12	56
Wiring device manufacturing	<1	561	940	2,849
Carbon and graphite product manufacturing	<1	2,160	3,294	10,855
All other miscellaneous electrical equipment and component manufacturing	<1	50	57	179
Automobile manufacturing	<1	7,880	39,896	98,905
Light truck and utility vehicle manufacturing	<1	7,956	31,636	167,076
Heavy duty truck manufacturing	<1	16	56	240
Motor vehicle body manufacturing	<1	467	732	1,918
Truck trailer manufacturing	<1	5	8	25
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,695	2,013	7,937
Motor vehicle gasoline engine and engine parts manufacturing	<1	22,468	42,254	147,950
Motor vehicle electrical and electronic equipment manufacturing	<1	18,033	27,936	99,737
Motor vehicle transmission and power train parts manufacturing	<1	64,429	118,919	368,883
Motor vehicle seating and interior trim manufacturing	<1	7,831	10,745	40,791
Motor vehicle metal stamping	<1	80,532	114,014	341,739
Other motor vehicle parts manufacturing	<1	29,614	51,041	175,724

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	13,271	26,725	70,513
Aircraft manufacturing	<1	11	16	60
Aircraft engine and engine parts manufacturing	<1	365	514	1,794
Other aircraft parts and auxiliary equipment manufacturing	<1	47	55	146
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	20	23	54
Railroad rolling stock manufacturing	<1	5	5	19
Ship building and repairing	<1	24	26	55
Boat building	<1	7,017	8,362	30,837
Motorcycle, bicycle, and parts manufacturing	<1	57	106	438
Military armored vehicle, tank, and tank component manufacturing	<1	4,077	5,449	19,927
All other transportation equipment manufacturing	<1	1,654	2,287	10,023
Wood kitchen cabinet and countertop manufacturing	<1	1,232	1,675	3,638
Upholstered household furniture manufacturing	<1	182	205	652
Nonupholstered wood household furniture manufacturing	<1	445	522	1,462
Other household nonupholstered furniture manufacturing	<1	439	658	2,105
Institutional furniture manufacturing	<1	238	258	732
Wood office furniture manufacturing	<1	78	109	265
Custom architectural woodwork and millwork	<1	75	71	199
Office furniture, except wood, manufacturing	<1	652	1,083	2,670
Showcase, partition, shelving, and locker manufacturing	<1	919	1,311	3,390
Mattress manufacturing	<1	323	536	1,974
Blind and shade manufacturing	<1	74	77	307
Surgical and medical instrument manufacturing	<1	1,077	1,645	3,949
Surgical appliance and supplies manufacturing	<1	9,581	15,300	31,050
Dental equipment and supplies manufacturing	<1	78	111	261

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Ophthalmic goods manufacturing	<1	112	177	384
Dental laboratories	<1	1,046	1,074	1,891
Jewelry and silverware manufacturing	<1	1,444	2,115	5,435
Sporting and athletic goods manufacturing	<1	1,071	1,352	4,147
Doll, toy, and game manufacturing	<1	461	629	2,410
Office supplies (except paper) manufacturing	<1	202	261	926
Sign manufacturing	<1	2,627	2,215	5,520
Gasket, packing, and sealing device manufacturing	<1	2,490	2,834	5,794
Musical instrument manufacturing	<1	152	159	390
Fasteners, buttons, needles, and pins manufacturing	<1	932	1,119	2,343
Broom, brush, and mop manufacturing	<1	1,134	1,347	3,578
Burial casket manufacturing	<1	307	352	786
All other miscellaneous manufacturing	<1	8,672	10,652	24,919
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	19,904	42,483	82,335
Wholesale - Professional and commercial equipment and supplies	<1	56,778	86,569	144,978
Wholesale - Household appliances and electrical and electronic goods	<1	30,556	68,549	131,029
Wholesale - Machinery, equipment, and supplies	<1	37,689	67,267	114,471
Wholesale - Other durable goods merchant wholesalers	<1	53,582	87,481	163,884
Wholesale - Drugs and druggists' sundries	<1	35,096	98,026	182,520
Wholesale - Grocery and related product wholesalers	<1	53,555	71,566	137,558
Wholesale - Petroleum and petroleum products	<1	14,813	134,339	163,022
Wholesale - Other nondurable goods merchant wholesalers	<1	77,439	143,650	270,827
Wholesale - Wholesale electronic markets and agents and brokers	<1	56,941	58,875	68,988
Retail - Motor vehicle and parts dealers	1	65,874	102,505	149,366
Retail - Furniture and home furnishings stores	<1	30,622	39,346	64,781
Retail - Electronics and appliance stores	<1	40,826	39,061	65,325

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Retail - Building material and garden equipment and supplies stores	<1	38,433	70,899	105,410
Retail - Food and beverage stores	3	85,586	116,578	195,805
Retail - Health and personal care stores	2	70,798	87,980	134,555
Retail - Gasoline stores	1	26,681	48,716	97,942
Retail - Clothing and clothing accessories stores	1	34,408	56,035	121,511
Retail - Sporting goods, hobby, musical instrument and book stores	1	24,832	32,944	57,058
Retail - General merchandise stores	3	103,805	151,925	251,385
Retail - Miscellaneous store retailers	2	49,521	59,275	100,877
Retail - Nonstore retailers	2	39,508	133,565	300,381
Air transportation	<1	83,927	163,608	286,612
Rail transportation	<1	9,809	16,806	34,298
Water transportation	<1	5,847	8,498	47,675
Truck transportation	2	115,907	146,545	301,020
Transit and ground passenger transportation	2	23,357	28,003	44,636
Pipeline transportation	<1	46,202	66,142	77,239
Scenic and sightseeing transportation and support activities for transportation	2	106,470	117,136	249,118
Couriers and messengers	1	36,988	51,016	88,161
Warehousing and storage	2	71,789	79,992	150,106
Newspaper publishers	<1	14,119	24,282	30,800
Periodical publishers	<1	9,374	14,945	22,859
Book publishers	<1	10,842	34,017	53,642
Directory, mailing list, and other publishers	<1	1,735	4,832	7,222
Greeting card publishing	<1	238	661	976
Software publishers	<1	74,513	170,347	191,472
Motion picture and video industries	<1	12,841	23,520	79,447
Sound recording industries	<1	994	5,802	11,862
Radio and television broadcasting	<1	36,250	48,172	163,083
Cable and other subscription programming	<1	960	7,560	21,452
Wired telecommunications carriers	<1	59,321	137,719	260,171
Wireless telecommunications carriers (except satellite)	<1	7,802	56,532	151,769

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Satellite, telecommunications resellers, and all other telecommunications	<1	11,950	18,034	53,302
Data processing, hosting, and related services	1	104,755	218,049	605,001
News syndicates, libraries, archives and all other information services	<1	11,294	20,496	41,786
Internet publishing and broadcasting and web search portals	<1	31,941	76,202	231,184
Nondepository credit intermediation and related activities	1	133,597	152,983	260,226
Securities and commodity contracts intermediation and brokerage	3	111,576	109,404	284,653
Monetary authorities and depository credit intermediation	4	336,330	580,576	1,238,166
Other financial investment activities	1	53,490	74,824	267,211
Direct life insurance carriers	<1	23,226	47,299	72,828
Insurance carriers, except direct life	2	151,515	527,779	1,074,699
Insurance agencies, brokerages, and related activities	2	125,322	217,425	491,480
Funds, trusts, and other financial vehicles	<1	23,376	31,070	165,819
Other real estate	20	500,225	1,362,558	3,695,975
Tenant-occupied housing	2	42,982	340,527	413,134
Owner-occupied dwellings	0	0	1,240,356	1,574,577
Automotive equipment rental and leasing	<1	27,624	104,639	144,124
General and consumer goods rental except video tapes and discs	<1	21,329	28,617	50,839
Video tape and disc rental	<1	5,610	10,322	16,275
Commercial and industrial machinery and equipment rental and leasing	<1	21,580	69,105	95,742
Lessors of nonfinancial intangible assets	<1	1,313	153,402	166,594
Legal services	5	496,214	777,533	1,080,509
Accounting, tax preparation, bookkeeping, and payroll services	2	165,454	192,218	291,377
Architectural, engineering, and related services	3	324,129	337,731	571,030
Specialized design services	<1	22,818	29,383	42,542
Custom computer programming services	<1	57,098	60,261	86,197

Appendix

Computer systems design services	<1	83,850	77,005	100,415
Other computer related services, including facilities management	<1	71,206	101,986	185,058
Management consulting services	5	440,768	451,310	720,516
Environmental and other technical consulting services	<1	49,326	50,793	77,230
Scientific research and development services	98	8,778,764	11,193,536	21,773,213
Advertising, public relations, and related services	2	150,282	180,843	330,331
Photographic services	<1	3,671	6,649	15,208
Veterinary services	<1	18,732	21,002	34,402
Marketing research and all other miscellaneous professional, scientific, and technical services	3	203,341	301,203	638,392
Management of companies and enterprises	7	952,314	1,074,725	1,703,546
Office administrative services	2	124,621	32,241	107,810
Facilities support services	<1	10,397	14,401	35,502
Employment services	18	614,722	832,115	1,342,669
Business support services	3	127,914	99,109	178,679
Travel arrangement and reservation services	<1	25,861	31,876	82,927
Investigation and security services	1	47,400	45,293	69,982
Services to buildings	3	86,552	111,007	220,090
Landscape and horticultural services	2	70,921	82,606	146,641
Other support services	<1	36,541	44,324	89,362
Waste management and remediation services	<1	47,429	79,907	147,382
Elementary and secondary schools	2	60,758	55,932	67,262
Junior colleges, colleges, universities, and professional schools	20	693,578	1,012,090	1,425,610
Other educational services	1	40,385	45,977	91,797
Offices of physicians	4	417,685	433,681	629,758
Offices of dentists	1	90,690	110,729	160,682
Offices of other health practitioners	1	70,522	98,278	134,835
Outpatient care centers	1	69,086	62,272	110,710
Medical and diagnostic laboratories	<1	13,243	18,334	26,770
Home health care services	2	103,060	97,586	128,266
Other ambulatory health care services	<1	26,505	29,135	50,465

Appendix

Hospitals	8	632,066	726,161	1,427,041
Nursing and community care facilities	3	99,638	107,578	197,019
Residential mental retardation, mental health, substance abuse and other facilities	1	42,597	44,811	75,183
Individual and family services	3	82,078	67,214	101,340
Child day care services	1	27,952	35,721	51,352
Community food, housing, and other relief services, including rehabilitation services	1	33,553	32,761	77,442
Performing arts companies	<1	7,443	13,314	23,223
Commercial Sports Except Racing	2	44,995	42,165	69,947
Racing and Track Operation	<1	1,085	2,522	4,300
Independent artists, writers, and performers	<1	5,631	30,191	40,925
Promoters of performing arts and sports and agents for public figures	<1	11,797	30,300	57,139
Museums, historical sites, zoos, and parks	<1	5,875	8,489	15,600
Amusement parks and arcades	<1	1,044	3,632	5,335
Gambling industries (except casino hotels)	<1	14,489	39,068	60,902
Other amusement and recreation industries	1	19,736	24,041	50,977
Fitness and recreational sports centers	<1	10,152	16,190	29,804
Bowling centers	<1	2,959	5,664	10,679
Hotels and motels, including casino hotels	<1	32,887	77,614	112,290
Other accommodations	<1	6,986	11,139	15,021
Full-service restaurants	8	162,215	222,711	426,900
Limited-service restaurants	6	116,615	174,737	426,145
All other food and drinking places	5	126,082	180,959	285,291
Automotive repair and maintenance, except car washes	3	145,351	180,097	263,960
Car washes	1	74,063	118,431	175,692
Electronic and precision equipment repair and maintenance	<1	30,580	37,115	61,740
Commercial and industrial machinery and equipment repair and maintenance	<1	58,169	57,724	88,591
Personal and household goods repair and maintenance	<1	16,304	33,146	47,431
Personal care services	2	43,840	40,882	56,205
Death care services	<1	11,243	8,019	11,927

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Dry-cleaning and laundry services	1	31,589	21,147	29,323
Other personal services	1	41,512	52,267	78,424
Religious organizations	3	142,086	68,191	257,205
Grantmaking, giving, and social advocacy organizations	<1	36,366	118,414	183,541
Business and professional associations	<1	28,811	51,264	90,113
Labor and civic organizations	<1	24,243	70,262	127,333
Private households	<1	11,523	11,523	11,523
Postal service	<1	70,275	70,305	74,896
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	871	-511	515
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	13,663	-11,651	13,179
Local government electric utilities	<1	3,189	8,424	16,223
Other local government enterprises	<1	49,502	93,032	228,657
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	184,872	167,254	382,631

Minnesota

NASA

Table 694: Detailed NASA Impacts by Types of Impact, Minnesota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	273	17,468,689	26,305,066	50,719,631
Oilseed farming	<1	19,153	77,781	202,344
Grain farming	<1	19,794	19,965	211,230
Vegetable and melon farming	<1	2,526	4,718	14,157
Fruit farming	<1	358	724	1,651
Tree nut farming	<1	4	9	20
Greenhouse, nursery, and floriculture production	<1	3,629	5,188	14,839
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	2,281	3,094	9,389
All other crop farming	<1	1,856	2,521	7,733
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	3,968	10,697	59,125
Dairy cattle and milk production	<1	2,687	5,826	52,020
Poultry and egg production	<1	1,964	3,068	48,689
Animal production, except cattle and poultry and eggs	<1	11,985	34,796	81,274
Forestry, forest products, and timber tract production	<1	623	636	818
Commercial logging	<1	1,843	1,465	3,196
Commercial fishing	<1	123	203	300
Commercial hunting and trapping	<1	573	1,126	2,043
Support activities for agriculture and forestry	<1	11,271	10,064	12,471
Oil and gas extraction	<1	8,897	1,559	51,180
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	8,998	78,935	83,847
Iron ore mining	<1	1,085	4,542	13,702
Gold ore mining	<1	18	87	81
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	28	142	164
Other metal ore mining	<1	7	29	31
Stone mining and quarrying	<1	665	7,301	9,245
Sand and gravel mining	<1	952	5,123	6,567

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	175	906	1,288
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	7	2	19
Metal mining services	<1	102	56	807
Other nonmetallic minerals services	<1	4	2	28
Electric power generation - Hydroelectric	<1	5,681	15,930	40,122
Electric power generation - Fossil fuel	<1	26,209	81,264	235,048
Electric power generation - Nuclear	<1	27,681	54,477	131,270
Electric power generation - Solar	<1	1,172	3,557	8,780
Electric power generation - Wind	<1	2,790	17,693	37,835
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,340	8,121	23,677
Electric power generation - All other	<1	5,606	2,471	8,471
Electric power transmission and distribution	<1	78,583	221,834	596,571
Natural gas distribution	<1	23,141	52,944	129,428
Water, sewage and other systems	<1	1,556	2,909	5,352
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	65,520	89,350	194,225
Maintenance and repair construction of residential structures	<1	23,210	31,535	68,872
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	36	50	108
Dog and cat food manufacturing	<1	2,054	5,128	22,762
Other animal food manufacturing	<1	5,230	7,917	54,957
Flour milling	<1	3,939	6,523	36,003
Rice milling	<1	199	298	1,760
Malt manufacturing	<1	2,259	3,666	20,630
Wet corn milling	<1	6,977	14,853	74,692
Soybean and other oilseed processing	<1	1,637	6,924	60,263
Fats and oils refining and blending	<1	335	583	6,320
Breakfast cereal manufacturing	<1	15,870	32,724	86,461
Beet sugar manufacturing	<1	2,887	5,294	20,427
Sugar cane mills and refining	<1	407	907	3,824
Nonchocolate confectionery manufacturing	<1	2,212	3,118	12,292
Chocolate and confectionery manufacturing from cacao beans	<1	270	375	1,548
Confectionery manufacturing from purchased chocolate	<1	474	607	3,260
Frozen fruits, juices and vegetables manufacturing	<1	3,428	5,950	23,827
Frozen specialties manufacturing	<1	7,208	9,401	38,193
Canned fruits and vegetables manufacturing	<1	5,629	9,981	37,177
Canned specialties	<1	824	1,741	7,333
Dehydrated food products manufacturing	<1	204	330	1,329
Cheese manufacturing	<1	8,060	10,806	94,464
Dry, condensed, and evaporated dairy product manufacturing	<1	2,010	4,115	28,748
Fluid milk manufacturing	<1	4,216	6,030	34,406
Creamery butter manufacturing	<1	473	1,762	12,561
Ice cream and frozen dessert manufacturing	<1	3,031	3,887	11,631
Frozen cakes and other pastries manufacturing	<1	5,139	7,148	13,179

Appendix

Poultry processing	<1	21,730	25,862	104,704
Animal, except poultry, slaughtering	<1	13,522	16,033	114,344
Meat processed from carcasses	<1	11,419	10,696	68,642
Rendering and meat byproduct processing	<1	513	495	2,368
Seafood product preparation and packaging	<1	1,578	1,858	10,051
Bread and bakery product, except frozen, manufacturing	<1	16,913	22,468	55,585
Cookie and cracker manufacturing	<1	127	168	511
Dry pasta, mixes, and dough manufacturing	<1	1,570	2,972	10,414
Tortilla manufacturing	<1	1,712	2,020	6,249
Roasted nuts and peanut butter manufacturing	<1	1,674	2,930	10,812
Other snack food manufacturing	<1	4,381	8,480	30,787
Coffee and tea manufacturing	<1	1,128	1,819	7,937
Flavoring syrup and concentrate manufacturing	<1	426	2,442	4,661
Mayonnaise, dressing, and sauce manufacturing	<1	149	256	1,066
Spice and extract manufacturing	<1	856	1,276	6,075
All other food manufacturing	<1	7,325	9,909	40,711
Bottled and canned soft drinks & water	<1	4,180	6,410	28,347
Manufactured ice	<1	295	144	804
Breweries	<1	8,932	18,547	67,585
Wineries	<1	716	1,132	6,792
Distilleries	<1	1,951	8,494	22,432
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	11	35	141
Broadwoven fabric mills	<1	100	391	976
Narrow fabric mills and schiffli machine embroidery	<1	23	32	98
Nonwoven fabric mills	<1	161	779	1,816
Knit fabric mills	<1	39	89	220
Textile and fabric finishing mills	<1	20	47	204
Fabric coating mills	<1	148	382	1,271
Carpet and rug mills	<1	851	3,457	7,636
Curtain and linen mills	<1	431	940	2,511
Textile bag and canvas mills	<1	282	514	1,304
Rope, cordage, twine, tire cord and tire fabric mills	<1	559	1,782	3,114
Other textile product mills	<1	1,335	2,432	5,146
Hosiery and sock mills	<1	22	38	92

Appendix

Other apparel knitting mills	<1	100	148	442
Cut and sew apparel contractors	<1	81	119	295
Mens and boys cut and sew apparel manufacturing	<1	111	164	536
Womens and girls cut and sew apparel manufacturing	<1	29	56	252
Other cut and sew apparel manufacturing	<1	297	530	1,909
Apparel accessories and other apparel manufacturing	<1	119	209	668
Leather and hide tanning and finishing	<1	317	744	1,682
Footwear manufacturing	<1	1,207	1,414	2,475
Other leather and allied product manufacturing	<1	24	27	55
Sawmills	<1	649	851	3,278
Wood preservation	<1	509	962	2,825
Veneer and plywood manufacturing	<1	872	1,116	3,175
Engineered wood member and truss manufacturing	<1	1,233	1,573	4,325
Reconstituted wood product manufacturing	<1	686	1,192	3,575
Wood windows and door manufacturing	<1	9,005	10,878	24,160
Cut stock, resawing lumber, and planing	<1	18	25	99
Other millwork, including flooring	<1	1,442	1,918	5,162
Wood container and pallet manufacturing	<1	2,815	3,369	8,448
Manufactured home (mobile home) manufacturing	<1	3	4	10
Prefabricated wood building manufacturing	<1	418	506	1,369
All other miscellaneous wood product manufacturing	<1	1,225	1,532	4,448
Pulp mills	<1	205	339	1,261
Paper mills	<1	9,412	22,532	67,645
Paperboard mills	<1	1,985	5,199	17,100
Paperboard container manufacturing	<1	10,947	17,867	67,041
Paper bag and coated and treated paper manufacturing	<1	8,508	16,893	47,693
Stationery product manufacturing	<1	1,757	2,785	8,460
Sanitary paper product manufacturing	<1	887	2,957	8,097
All other converted paper product manufacturing	<1	246	382	1,163

Appendix

Printing	1	77,180	111,937	208,373
Support activities for printing	<1	11,446	15,464	20,263
Petroleum refineries	<1	19,949	164,867	560,511
Asphalt paving mixture and block manufacturing	<1	107	179	594
Asphalt shingle and coating materials manufacturing	<1	677	2,845	5,654
Petroleum lubricating oil and grease manufacturing	<1	489	2,002	4,159
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	135	535	4,803
Industrial gas manufacturing	<1	1,529	2,203	8,060
Synthetic dye and pigment manufacturing	<1	3	4	26
Other basic inorganic chemical manufacturing	<1	2	3	17
Other basic organic chemical manufacturing	<1	3,641	5,365	43,616
Plastics material and resin manufacturing	<1	2,283	2,871	21,698
Synthetic rubber manufacturing	<1	302	350	1,517
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	66	105	489
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	149	201	706
Pesticide and other agricultural chemical manufacturing	<1	290	535	3,319
Medicinal and botanical manufacturing	<1	432	516	1,835
Pharmaceutical preparation manufacturing	<1	2,938	5,778	22,634
In-vitro diagnostic substance manufacturing	<1	3,944	4,425	9,902
Biological product (except diagnostic) manufacturing	<1	411	581	1,599
Paint and coating manufacturing	<1	1,552	2,038	9,189
Adhesive manufacturing	<1	3,968	4,780	13,435
Soap and other detergent manufacturing	<1	1,877	3,247	15,516
Polish and other sanitation good manufacturing	<1	2,271	2,706	8,417
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	5,483	10,117	29,895
Printing ink manufacturing	<1	1,614	1,686	5,386

Appendix

Explosives manufacturing	<1	52	55	130
Custom compounding of purchased resins	<1	5,569	7,458	24,975
Photographic film and chemical manufacturing	<1	5,437	7,989	25,949
Other miscellaneous chemical product manufacturing	<1	5,752	7,043	24,541
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,865	7,203	28,921
Unlaminated plastics profile shape manufacturing	<1	2,204	4,132	13,301
Plastics pipe and pipe fitting manufacturing	<1	1,848	4,150	13,168
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	209	342	1,219
Polystyrene foam product manufacturing	<1	628	956	3,714
Urethane and other foam product (except polystyrene) manufacturing	<1	967	1,415	6,217
Plastics bottle manufacturing	<1	116	171	973
Other plastics product manufacturing	<1	32,269	43,116	135,658
Tire manufacturing	<1	484	674	3,130
Rubber and plastics hoses and belting manufacturing	<1	16	22	59
Other rubber product manufacturing	<1	5,206	6,816	22,958
Pottery, ceramics, and plumbing fixture manufacturing	<1	195	321	1,016
Brick, tile, and other structural clay product manufacturing	<1	499	998	2,248
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	307	627	1,531
Glass container manufacturing	<1	1,355	2,482	6,430
Glass product manufacturing made of purchased glass	<1	4,681	9,011	20,851
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	2,642	5,211	16,324
Concrete block and brick manufacturing	<1	852	1,793	4,868
Concrete pipe manufacturing	<1	143	294	848
Other concrete product manufacturing	<1	1,573	2,448	5,847
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	595	1,849	4,427

Appendix

Abrasive product manufacturing	<1	168	580	985
Cut stone and stone product manufacturing	<1	1,093	1,372	3,057
Ground or treated mineral and earth manufacturing	<1	858	2,606	5,340
Mineral wool manufacturing	<1	43	122	306
Miscellaneous nonmetallic mineral products manufacturing	<1	279	967	2,099
Iron and steel mills and ferroalloy manufacturing	<1	10,737	19,062	104,782
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,109	1,814	9,099
Rolled steel shape manufacturing	<1	719	1,444	7,698
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	276	410	2,671
Secondary smelting and alloying of aluminum	<1	206	359	2,953
Aluminum sheet, plate, and foil manufacturing	<1	104	204	1,301
Other aluminum rolling, drawing and extruding	<1	441	611	3,152
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	315	462	3,490
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	186	316	1,762
Ferrous metal foundries	<1	1,591	2,254	5,892
Nonferrous metal foundries	<1	3,690	5,121	12,452
Custom roll forming	<1	188	306	1,344
Crown and closure manufacturing and metal stamping	<1	6,880	8,556	24,000
Iron and steel forging	<1	1,892	2,958	9,685
Nonferrous forging	<1	463	654	2,315
Cutlery, utensil, pot, and pan manufacturing	<1	387	923	2,046
Handtool manufacturing	<1	2,251	3,550	7,431
Prefabricated metal buildings and components manufacturing	<1	292	403	1,121
Fabricated structural metal manufacturing	<1	1,537	2,207	6,974
Plate work manufacturing	<1	2,140	2,361	7,131
Metal window and door manufacturing	<1	1,639	2,169	5,260
Sheet metal work manufacturing	<1	10,938	14,141	35,295

Appendix

Ornamental and architectural metal work manufacturing	<1	2,788	3,535	8,721
Power boiler and heat exchanger manufacturing	<1	64	91	258
Metal tank (heavy gauge) manufacturing	<1	590	740	2,022
Metal cans manufacturing	<1	1,052	2,271	11,665
Metal barrels, drums and pails manufacturing	<1	397	490	1,836
Hardware manufacturing	<1	892	1,370	4,804
Spring and wire product manufacturing	<1	2,043	2,733	7,787
Machine shops	<1	46,470	56,051	111,949
Turned product and screw, nut, and bolt manufacturing	<1	6,086	8,666	22,823
Metal heat treating	<1	1,089	1,542	4,081
Metal coating and nonprecious engraving	<1	2,642	4,449	11,868
Electroplating, anodizing, and coloring metal	<1	3,635	4,127	9,210
Valve and fittings, other than plumbing, manufacturing	<1	1,410	2,152	5,234
Plumbing fixture fitting and trim manufacturing	<1	201	514	1,328
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2,682	5,275	10,697
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	2,674	4,720	7,992
Fabricated pipe and pipe fitting manufacturing	<1	1,353	1,657	4,095
Other fabricated metal manufacturing	<1	2,943	3,809	10,486
Farm machinery and equipment manufacturing	<1	372	629	2,492
Lawn and garden equipment manufacturing	<1	551	969	4,035
Construction machinery manufacturing	<1	315	693	1,970
Mining machinery and equipment manufacturing	<1	22	35	84
Oil and gas field machinery and equipment manufacturing	<1	7	12	43
Semiconductor machinery manufacturing	<1	133	155	396
Food product machinery manufacturing	<1	62	71	179

Appendix

Sawmill, woodworking, and paper machinery	<1	90	101	293
Printing machinery and equipment manufacturing	<1	74	83	236
All other industrial machinery manufacturing	<1	122	156	380
Optical instrument and lens manufacturing	<1	4	5	16
Photographic and photocopying equipment manufacturing	<1	69	91	265
Other commercial service industry machinery manufacturing	<1	673	1,091	2,882
Air purification and ventilation equipment manufacturing	<1	169	232	582
Heating equipment (except warm air furnaces) manufacturing	<1	1,909	2,889	9,789
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11,510	20,726	55,975
Industrial mold manufacturing	<1	785	911	1,751
Special tool, die, jig, and fixture manufacturing	<1	497	647	1,212
Cutting tool and machine tool accessory manufacturing	<1	501	564	1,194
Machine tool manufacturing	<1	160	201	564
Rolling mill and other metalworking machinery manufacturing	<1	49	58	146
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	42	64	236
Mechanical power transmission equipment manufacturing	<1	303	477	1,048
Other engine equipment manufacturing	<1	95	200	940
Pump and pumping equipment manufacturing	<1	215	376	1,201
Air and gas compressor manufacturing	<1	21	39	141
Elevator and moving stairway manufacturing	<1	17	25	96
Conveyor and conveying equipment manufacturing	<1	181	204	565
Overhead cranes, hoists, and monorail systems manufacturing	<1	33	61	211
Industrial truck, trailer, and stacker manufacturing	<1	102	165	585

Appendix

Power-driven handtool manufacturing	<1	13	34	101
Welding and soldering equipment manufacturing	<1	20	29	87
Packaging machinery manufacturing	<1	350	498	1,309
Industrial process furnace and oven manufacturing	<1	8	10	18
Fluid power cylinder and actuator manufacturing	<1	415	582	1,474
Fluid power pump and motor manufacturing	<1	626	982	2,579
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	345	421	1,116
Electronic computer manufacturing	<1	581	1,120	3,788
Computer storage device manufacturing	<1	1,058	2,439	9,140
Computer terminals and other computer peripheral equipment manufacturing	<1	33,410	54,661	116,428
Telephone apparatus manufacturing	<1	127	189	605
Broadcast and wireless communications equipment manufacturing	<1	62	92	288
Other communications equipment manufacturing	<1	242	380	988
Audio and video equipment manufacturing	<1	61	100	399
Printed circuit assembly (electronic assembly) manufacturing	<1	2,091	3,500	15,214
Bare printed circuit board manufacturing	<1	2,166	2,761	6,823
Semiconductor and related device manufacturing	<1	1,502	2,401	7,313
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	250	345	954
Electronic connector manufacturing	<1	1,727	2,530	7,303
Other electronic component manufacturing	<1	1,156	1,523	4,961
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,596	2,869	5,927
Search, detection, and navigation instruments manufacturing	<1	37	61	127
Automatic environmental control manufacturing	<1	5,621	7,282	14,060

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Industrial process variable instruments manufacturing	<1	1,413	2,146	5,507
Totalizing fluid meter and counting device manufacturing	<1	52	106	276
Electricity and signal testing instruments manufacturing	<1	1,220	1,876	7,177
Analytical laboratory instrument manufacturing	<1	111,586	182,749	397,935
Irradiation apparatus manufacturing	<1	3	6	13
Watch, clock, and other measuring and controlling device manufacturing	<1	386	671	1,462
Blank magnetic and optical recording media manufacturing	<1	213	571	1,826
Software and other prerecorded and record reproducing	<1	538	751	1,742
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	657	1,133	2,889
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	80	230	663
Household refrigerator and home freezer manufacturing	<1	88	265	730
Household laundry equipment manufacturing	<1	193	421	1,588
Other major household appliance manufacturing	<1	37	119	305
Power, distribution, and specialty transformer manufacturing	<1	28	50	144
Motor and generator manufacturing	<1	2,415	5,051	11,652
Switchgear and switchboard apparatus manufacturing	<1	249	518	1,211
Relay and industrial control manufacturing	<1	2,683	4,192	9,844
Storage battery manufacturing	<1	51	85	296
Primary battery manufacturing	<1	377	331	1,829
Fiber optic cable manufacturing	<1	298	398	1,540
Other communication and energy wire manufacturing	<1	181	329	1,107
Wiring device manufacturing	<1	2,474	5,885	13,209
Carbon and graphite product manufacturing	<1	111	230	610
All other miscellaneous electrical equipment and component manufacturing	<1	6,282	7,655	21,386
Automobile manufacturing	<1	941	4,230	14,609

Appendix

Light truck and utility vehicle manufacturing	<1	354	865	8,658
Heavy duty truck manufacturing	<1	232	715	3,627
Motor vehicle body manufacturing	<1	59	87	291
Truck trailer manufacturing	<1	19	26	98
Motor home manufacturing	<1	4,332	7,206	23,638
Travel trailer and camper manufacturing	<1	2,461	2,787	11,359
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,106	1,857	8,673
Motor vehicle electrical and electronic equipment manufacturing	<1	871	1,284	6,469
Motor vehicle transmission and power train parts manufacturing	<1	2,641	4,529	18,453
Motor vehicle seating and interior trim manufacturing	<1	23	28	164
Motor vehicle metal stamping	<1	288	378	1,840
Other motor vehicle parts manufacturing	<1	1,833	2,705	11,279
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,613	2,946	9,960
Aircraft manufacturing	<1	9	49	114
Aircraft engine and engine parts manufacturing	<1	18	93	151
Other aircraft parts and auxiliary equipment manufacturing	<1	26,203	66,509	134,978
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	5	8	32
Ship building and repairing	<1	5	9	18
Boat building	<1	3,107	6,138	17,785
Motorcycle, bicycle, and parts manufacturing	<1	53	433	770
Military armored vehicle, tank, and tank component manufacturing	<1	18	85	159
All other transportation equipment manufacturing	<1	9,021	31,454	79,783
Wood kitchen cabinet and countertop manufacturing	<1	7,304	9,928	21,868
Upholstered household furniture manufacturing	<1	6	7	24

Appendix

Nonupholstered wood household furniture manufacturing	<1	180	213	672
Other household nonupholstered furniture manufacturing	<1	559	875	2,682
Institutional furniture manufacturing	<1	214	237	615
Wood office furniture manufacturing	<1	2,655	3,713	10,841
Custom architectural woodwork and millwork	<1	63	60	160
Office furniture, except wood, manufacturing	<1	41,865	71,651	158,722
Showcase, partition, shelving, and locker manufacturing	<1	1,313	1,874	4,756
Mattress manufacturing	<1	2,367	4,296	7,914
Blind and shade manufacturing	<1	4	5	24
Surgical and medical instrument manufacturing	<1	5,966	13,701	24,994
Surgical appliance and supplies manufacturing	<1	3,013	7,440	13,514
Dental equipment and supplies manufacturing	<1	513	1,064	2,802
Ophthalmic goods manufacturing	<1	1,098	2,706	5,098
Dental laboratories	<1	580	607	1,087
Jewelry and silverware manufacturing	<1	1,192	1,944	4,802
Sporting and athletic goods manufacturing	<1	2,615	4,197	10,518
Doll, toy, and game manufacturing	<1	57	116	329
Office supplies (except paper) manufacturing	<1	383	650	1,936
Sign manufacturing	<1	2,566	2,493	5,503
Gasket, packing, and sealing device manufacturing	<1	862	1,193	2,560
Musical instrument manufacturing	<1	110	125	330
Fasteners, buttons, needles, and pins manufacturing	<1	53	80	218
Broom, brush, and mop manufacturing	<1	33	63	205
Burial casket manufacturing	<1	256	351	669
All other miscellaneous manufacturing	<1	4,636	6,830	16,145
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,376	28,480	60,091
Wholesale - Professional and commercial equipment and supplies	<1	80,396	123,635	199,804

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	30,699	67,009	138,159
Wholesale - Machinery, equipment, and supplies	<1	30,681	54,925	91,556
Wholesale - Other durable goods merchant wholesalers	<1	70,484	114,574	202,790
Wholesale - Drugs and druggists' sundries	<1	33,501	88,112	149,275
Wholesale - Grocery and related product wholesalers	<1	66,634	87,397	151,510
Wholesale - Petroleum and petroleum products	<1	6,775	90,513	105,785
Wholesale - Other nondurable goods merchant wholesalers	1	109,406	206,353	356,062
Wholesale - Wholesale electronic markets and agents and brokers	<1	74,720	77,174	88,004
Retail - Motor vehicle and parts dealers	<1	41,224	62,674	92,811
Retail - Furniture and home furnishings stores	<1	22,153	29,347	47,330
Retail - Electronics and appliance stores	<1	24,640	21,705	38,654
Retail - Building material and garden equipment and supplies stores	<1	28,051	48,837	73,995
Retail - Food and beverage stores	2	71,957	94,185	156,818
Retail - Health and personal care stores	<1	49,154	59,047	87,589
Retail - Gasoline stores	<1	21,855	37,839	74,049
Retail - Clothing and clothing accessories stores	<1	26,038	40,550	84,876
Retail - Sporting goods, hobby, musical instrument and book stores	<1	18,582	24,963	41,260
Retail - General merchandise stores	2	69,451	100,059	167,636
Retail - Miscellaneous store retailers	1	32,860	39,286	64,510
Retail - Nonstore retailers	2	59,356	162,187	306,016
Air transportation	<1	77,227	164,271	286,158
Rail transportation	<1	15,001	43,722	68,133
Water transportation	<1	23,682	19,147	35,217
Truck transportation	2	146,575	167,157	315,334
Transit and ground passenger transportation	2	54,244	67,610	89,471
Pipeline transportation	<1	40,456	51,720	57,438
Scenic and sightseeing transportation and support activities for transportation	<1	40,736	45,413	97,591

Appendix

Couriers and messengers	1	41,224	52,843	90,962
Warehousing and storage	<1	34,117	37,695	71,941
Newspaper publishers	<1	14,172	23,599	29,933
Periodical publishers	<1	7,043	10,937	17,173
Book publishers	<1	35,971	104,579	155,080
Directory, mailing list, and other publishers	<1	24,719	65,606	97,097
Greeting card publishing	<1	65	171	243
Software publishers	2	262,157	574,475	635,148
Motion picture and video industries	<1	9,720	15,236	55,761
Sound recording industries	<1	4,078	20,103	44,705
Radio and television broadcasting	<1	37,622	50,564	142,550
Cable and other subscription programming	<1	476	3,714	11,275
Wired telecommunications carriers	<1	52,866	133,046	225,372
Wireless telecommunications carriers (except satellite)	<1	9,741	74,179	152,984
Satellite, telecommunications resellers, and all other telecommunications	<1	14,382	22,432	47,415
Data processing, hosting, and related services	1	151,008	271,135	606,239
News syndicates, libraries, archives and all other information services	<1	19,749	32,017	64,065
Internet publishing and broadcasting and web search portals	<1	45,983	96,472	307,906
Nondepository credit intermediation and related activities	<1	77,931	97,411	152,104
Securities and commodity contracts intermediation and brokerage	2	190,029	158,144	291,962
Monetary authorities and depository credit intermediation	3	302,775	796,295	1,209,770
Other financial investment activities	1	112,125	136,765	310,998
Direct life insurance carriers	<1	61,078	100,095	137,643
Insurance carriers, except direct life	1	162,799	403,201	778,727
Insurance agencies, brokerages, and related activities	2	225,974	316,310	714,100
Funds, trusts, and other financial vehicles	<1	32,503	44,901	149,183
Other real estate	11	262,164	840,132	2,086,398
Tenant-occupied housing	<1	20,329	287,708	325,607

Appendix

Owner-occupied dwellings	0	0	969,346	1,230,542
Automotive equipment rental and leasing	<1	22,269	49,554	72,349
General and consumer goods rental except video tapes and discs	<1	23,847	33,314	51,840
Video tape and disc rental	<1	4,723	7,742	11,904
Commercial and industrial machinery and equipment rental and leasing	<1	43,651	81,381	118,889
Lessors of nonfinancial intangible assets	<1	-19,555	50,972	69,411
Legal services	2	255,422	399,330	537,829
Accounting, tax preparation, bookkeeping, and payroll services	1	114,536	149,271	211,163
Architectural, engineering, and related services	2	208,721	229,031	387,192
Specialized design services	<1	15,237	23,941	34,742
Custom computer programming services	<1	91,421	98,698	132,694
Computer systems design services	<1	82,899	80,244	100,660
Other computer related services, including facilities management	<1	65,001	105,647	168,369
Management consulting services	4	488,164	505,409	735,293
Environmental and other technical consulting services	<1	36,640	38,354	56,021
Scientific research and development services	36	3,193,294	4,248,391	8,121,748
Advertising, public relations, and related services	2	151,251	202,398	335,055
Photographic services	<1	3,225	7,637	13,315
Veterinary services	<1	13,342	16,404	25,415
Marketing research and all other miscellaneous professional, scientific, and technical services	1	88,645	156,858	273,745
Management of companies and enterprises	4	601,498	680,032	1,031,862
Office administrative services	<1	55,602	14,382	41,072
Facilities support services	<1	2,382	3,245	7,277
Employment services	7	317,175	424,382	619,301
Business support services	2	136,298	107,740	172,149
Travel arrangement and reservation services	<1	15,278	18,806	40,688
Investigation and security services	<1	27,655	27,056	38,568
Services to buildings	2	52,775	69,260	126,292
Landscape and horticultural services	4	160,899	192,858	325,222

Appendix

Other support services	1	59,458	73,007	136,742
Waste management and remediation services	<1	29,280	52,166	89,809
Elementary and secondary schools	1	50,005	42,872	50,596
Junior colleges, colleges, universities, and professional schools	57	1,999,333	2,763,491	3,940,040
Other educational services	3	103,364	116,034	230,663
Offices of physicians	3	367,822	388,927	522,621
Offices of dentists	<1	59,565	79,511	108,155
Offices of other health practitioners	<1	44,719	71,269	94,034
Outpatient care centers	<1	60,179	55,739	87,287
Medical and diagnostic laboratories	<1	10,366	16,385	22,309
Home health care services	1	52,700	51,022	68,643
Other ambulatory health care services	<1	24,166	27,754	41,490
Hospitals	6	516,067	601,878	1,125,723
Nursing and community care facilities	2	80,426	96,163	164,754
Residential mental retardation, mental health, substance abuse and other facilities	<1	36,844	41,411	65,083
Individual and family services	4	120,468	103,729	152,797
Child day care services	1	31,211	44,549	59,177
Community food, housing, and other relief services, including rehabilitation services	<1	30,000	29,479	65,404
Performing arts companies	<1	12,452	19,663	33,039
Commercial Sports Except Racing	1	56,206	43,070	66,656
Racing and Track Operation	<1	3,272	7,835	11,415
Independent artists, writers, and performers	<1	5,478	22,403	29,875
Promoters of performing arts and sports and agents for public figures	<1	9,878	21,621	41,453
Museums, historical sites, zoos, and parks	<1	6,001	7,965	13,356
Amusement parks and arcades	<1	2,955	9,216	11,814
Gambling industries (except casino hotels)	<1	12,237	25,980	45,308
Other amusement and recreation industries	<1	15,669	22,658	42,055
Fitness and recreational sports centers	<1	13,309	21,495	36,106
Bowling centers	<1	2,673	4,853	8,618

Appendix

Hotels and motels, including casino hotels	<1	20,443	41,683	66,881
Other accommodations	<1	5,751	8,416	11,782
Full-service restaurants	5	124,277	185,430	319,044
Limited-service restaurants	4	81,567	135,960	293,523
All other food and drinking places	3	86,279	122,566	189,018
Automotive repair and maintenance, except car washes	2	102,709	106,142	161,440
Car washes	<1	43,495	66,606	100,710
Electronic and precision equipment repair and maintenance	2	151,424	199,253	296,314
Commercial and industrial machinery and equipment repair and maintenance	<1	39,514	43,292	61,437
Personal and household goods repair and maintenance	<1	13,345	24,389	34,808
Personal care services	1	48,510	40,029	52,420
Death care services	<1	8,461	4,162	6,356
Dry-cleaning and laundry services	<1	24,877	11,122	15,843
Other personal services	<1	23,043	27,959	39,632
Religious organizations	3	145,639	57,910	237,565
Grantmaking, giving, and social advocacy organizations	<1	31,631	93,739	145,121
Business and professional associations	<1	28,843	47,728	82,061
Labor and civic organizations	<1	20,588	55,400	112,615
Private households	<1	10,174	10,173	10,173
Postal service	<1	56,975	56,993	60,696
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	140,702	-943,713	80,512
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	55	62	112
Local government passenger transit	<1	20,304	-21,103	11,018
Local government electric utilities	<1	5,421	13,131	29,567
Other local government enterprises	1	66,637	116,200	305,616
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	12	1,202,185	2,450,284	5,605,583

Moon to Mars Campaign

Table 695: Detailed M2M Campaign Impacts by Types of Impact, Minnesota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	22	1,723,437	2,686,068	4,885,999
Oilseed farming	<1	1,772	10,010	29,076
Grain farming	<1	1,307	1,419	14,075
Vegetable and melon farming	<1	210	402	1,204
Fruit farming	<1	32	66	150
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	216	315	893
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	200	269	801
All other crop farming	<1	128	179	546
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	311	735	3,757
Dairy cattle and milk production	<1	189	385	3,263
Poultry and egg production	<1	135	230	3,306
Animal production, except cattle and poultry and eggs	<1	752	2,495	5,887
Forestry, forest products, and timber tract production	<1	58	59	74
Commercial logging	<1	167	133	280
Commercial fishing	<1	10	14	21
Commercial hunting and trapping	<1	65	85	149
Support activities for agriculture and forestry	<1	904	804	998
Oil and gas extraction	<1	436	95	3,229

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	564	5,216	5,236
Iron ore mining	<1	47	197	584
Gold ore mining	<1	1	6	6
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	2	9	11
Other metal ore mining	<1	<1	2	2
Stone mining and quarrying	<1	59	555	717
Sand and gravel mining	<1	97	474	595
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	19	94	133
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	18	12	171
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	363	1,017	2,499
Electric power generation - Fossil fuel	<1	2,184	6,506	17,392
Electric power generation - Nuclear	<1	2,151	4,327	9,896
Electric power generation - Solar	<1	66	211	511
Electric power generation - Wind	<1	157	994	2,076
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	135	504	1,364
Electric power generation - All other	<1	474	214	650
Electric power transmission and distribution	<1	5,454	15,411	39,377
Natural gas distribution	<1	1,185	2,794	6,539
Water, sewage and other systems	<1	71	134	232
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,015	6,896	14,694
Maintenance and repair construction of residential structures	<1	2,174	2,966	6,372
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	10
Dog and cat food manufacturing	<1	158	414	1,783
Other animal food manufacturing	<1	429	677	4,503
Flour milling	<1	183	306	1,681
Rice milling	<1	7	11	64
Malt manufacturing	<1	72	119	633
Wet corn milling	<1	505	1,122	5,537
Soybean and other oilseed processing	<1	147	634	5,356
Fats and oils refining and blending	<1	25	45	468
Breakfast cereal manufacturing	<1	1,005	2,127	5,301
Beet sugar manufacturing	<1	166	288	1,098
Sugar cane mills and refining	<1	39	88	358
Nonchocolate confectionery manufacturing	<1	194	272	1,023
Chocolate and confectionery manufacturing from cacao beans	<1	30	42	167
Confectionery manufacturing from purchased chocolate	<1	35	46	230
Frozen fruits, juices and vegetables manufacturing	<1	207	373	1,349
Frozen specialties manufacturing	<1	406	529	2,117
Canned fruits and vegetables manufacturing	<1	386	687	2,509

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Canned specialties	<1	39	78	332
Dehydrated food products manufacturing	<1	13	20	81
Cheese manufacturing	<1	424	567	5,010
Dry, condensed, and evaporated dairy product manufacturing	<1	143	300	1,932
Fluid milk manufacturing	<1	272	398	2,213
Creamery butter manufacturing	<1	31	110	769
Ice cream and frozen dessert manufacturing	<1	124	163	450
Frozen cakes and other pastries manufacturing	<1	351	487	883
Poultry processing	<1	1,421	1,749	6,868
Animal, except poultry, slaughtering	<1	603	724	5,092
Meat processed from carcasses	<1	1,045	991	6,294
Rendering and meat byproduct processing	<1	46	45	213
Seafood product preparation and packaging	<1	62	76	379
Bread and bakery product, except frozen, manufacturing	<1	1,121	1,492	3,646
Cookie and cracker manufacturing	<1	12	16	45
Dry pasta, mixes, and dough manufacturing	<1	123	234	849
Tortilla manufacturing	<1	136	160	490
Roasted nuts and peanut butter manufacturing	<1	150	275	951
Other snack food manufacturing	<1	365	717	2,542
Coffee and tea manufacturing	<1	51	86	362
Flavoring syrup and concentrate manufacturing	<1	43	240	457
Mayonnaise, dressing, and sauce manufacturing	<1	8	14	57
Spice and extract manufacturing	<1	58	89	392
All other food manufacturing	<1	640	868	3,454
Bottled and canned soft drinks & water	<1	336	528	2,273
Manufactured ice	<1	25	13	66
Breweries	<1	430	936	3,321
Wineries	<1	86	138	793
Distilleries	<1	128	576	1,452
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	3	10
Broadwoven fabric mills	<1	6	28	66
Narrow fabric mills and schiffli machine embroidery	<1	3	4	11

Appendix

Nonwoven fabric mills	<1	19	95	204
Knit fabric mills	<1	4	9	21
Textile and fabric finishing mills	<1	3	6	25
Fabric coating mills	<1	19	47	151
Carpet and rug mills	<1	80	376	699
Curtain and linen mills	<1	41	93	238
Textile bag and canvas mills	<1	25	46	113
Rope, cordage, twine, tire cord and tire fabric mills	<1	33	109	182
Other textile product mills	<1	133	246	500
Hosiery and sock mills	<1	2	3	7
Other apparel knitting mills	<1	9	13	36
Cut and sew apparel contractors	<1	5	8	18
Mens and boys cut and sew apparel manufacturing	<1	13	20	60
Womens and girls cut and sew apparel manufacturing	<1	4	7	32
Other cut and sew apparel manufacturing	<1	24	42	142
Apparel accessories and other apparel manufacturing	<1	14	24	72
Leather and hide tanning and finishing	<1	23	55	119
Footwear manufacturing	<1	118	140	232
Other leather and allied product manufacturing	<1	3	3	6
Sawmills	<1	52	68	266
Wood preservation	<1	38	72	215
Veneer and plywood manufacturing	<1	73	93	268
Engineered wood member and truss manufacturing	<1	142	179	492
Reconstituted wood product manufacturing	<1	69	117	349
Wood windows and door manufacturing	<1	726	883	1,939
Cut stock, resawing lumber, and planing	<1	1	2	8
Other millwork, including flooring	<1	133	177	462
Wood container and pallet manufacturing	<1	249	301	738
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	31	38	104
All other miscellaneous wood product manufacturing	<1	128	164	443
Pulp mills	<1	13	20	78

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Paper mills	<1	698	1,551	4,971
Paperboard mills	<1	186	463	1,605
Paperboard container manufacturing	<1	1,695	2,734	10,169
Paper bag and coated and treated paper manufacturing	<1	850	1,607	4,600
Stationery product manufacturing	<1	134	208	615
Sanitary paper product manufacturing	<1	82	253	728
All other converted paper product manufacturing	<1	21	32	101
Printing	<1	7,488	11,075	19,598
Support activities for printing	<1	1,148	1,548	1,996
Petroleum refineries	<1	1,647	13,288	44,943
Asphalt paving mixture and block manufacturing	<1	9	15	48
Asphalt shingle and coating materials manufacturing	<1	45	190	372
Petroleum lubricating oil and grease manufacturing	<1	57	229	457
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	12	50	431
Industrial gas manufacturing	<1	133	196	696
Synthetic dye and pigment manufacturing	<1	<1	<1	4
Other basic inorganic chemical manufacturing	<1	<1	<1	2
Other basic organic chemical manufacturing	<1	296	436	3,651
Plastics material and resin manufacturing	<1	283	361	2,743
Synthetic rubber manufacturing	<1	50	58	258
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	5	8	36
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	9	12	42
Pesticide and other agricultural chemical manufacturing	<1	17	32	203
Medicinal and botanical manufacturing	<1	51	64	210
Pharmaceutical preparation manufacturing	<1	356	733	2,733
In-vitro diagnostic substance manufacturing	<1	698	793	1,773

Appendix

Biological product (except diagnostic) manufacturing	<1	65	97	251
Paint and coating manufacturing	<1	176	241	1,070
Adhesive manufacturing	<1	704	894	2,353
Soap and other detergent manufacturing	<1	178	341	1,385
Polish and other sanitation good manufacturing	<1	242	302	873
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	617	1,199	3,392
Printing ink manufacturing	<1	194	203	650
Explosives manufacturing	<1	5	5	13
Custom compounding of purchased resins	<1	2,903	4,484	13,608
Photographic film and chemical manufacturing	<1	443	683	2,133
Other miscellaneous chemical product manufacturing	<1	1,067	1,358	4,732
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	984	1,449	5,737
Unlaminated plastics profile shape manufacturing	<1	156	294	917
Plastics pipe and pipe fitting manufacturing	<1	142	320	1,016
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	19	31	112
Polystyrene foam product manufacturing	<1	53	80	315
Urethane and other foam product (except polystyrene) manufacturing	<1	85	125	547
Plastics bottle manufacturing	<1	12	18	101
Other plastics product manufacturing	<1	3,634	4,883	14,847
Tire manufacturing	<1	33	47	222
Rubber and plastics hoses and belting manufacturing	<1	1	2	5
Other rubber product manufacturing	<1	553	723	2,482
Pottery, ceramics, and plumbing fixture manufacturing	<1	15	23	78
Brick, tile, and other structural clay product manufacturing	<1	39	76	176
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	58	114	277
Glass container manufacturing	<1	86	153	408

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Glass product manufacturing made of purchased glass	<1	705	1,326	3,117
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	268	517	1,628
Concrete block and brick manufacturing	<1	81	162	457
Concrete pipe manufacturing	<1	11	23	68
Other concrete product manufacturing	<1	132	202	491
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	52	157	380
Abrasive product manufacturing	<1	36	114	198
Cut stone and stone product manufacturing	<1	91	114	254
Ground or treated mineral and earth manufacturing	<1	66	201	411
Mineral wool manufacturing	<1	4	12	29
Miscellaneous nonmetallic mineral products manufacturing	<1	29	94	203
Iron and steel mills and ferroalloy manufacturing	<1	405	685	4,025
Iron, steel pipe and tube manufacturing from purchased steel	<1	249	390	1,960
Rolled steel shape manufacturing	<1	113	219	1,268
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	74	105	631
Secondary smelting and alloying of aluminum	<1	53	86	712
Aluminum sheet, plate, and foil manufacturing	<1	23	43	297
Other aluminum rolling, drawing and extruding	<1	135	180	942
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	94	135	969
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	26	37	226
Ferrous metal foundries	<1	332	458	1,246
Nonferrous metal foundries	<1	1,074	1,432	3,528
Custom roll forming	<1	35	55	245
Crown and closure manufacturing and metal stamping	<1	1,240	1,539	4,235
Iron and steel forging	<1	219	340	1,102

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Nonferrous forging	<1	57	79	271
Cutlery, utensil, pot, and pan manufacturing	<1	62	149	328
Handtool manufacturing	<1	472	738	1,504
Prefabricated metal buildings and components manufacturing	<1	29	38	111
Fabricated structural metal manufacturing	<1	139	195	621
Plate work manufacturing	<1	325	359	1,079
Metal window and door manufacturing	<1	221	288	696
Sheet metal work manufacturing	<1	3,801	4,866	12,005
Ornamental and architectural metal work manufacturing	<1	314	392	962
Power boiler and heat exchanger manufacturing	<1	19	25	74
Metal tank (heavy gauge) manufacturing	<1	166	205	546
Metal cans manufacturing	<1	95	204	1,041
Metal barrels, drums and pails manufacturing	<1	49	60	219
Hardware manufacturing	<1	86	130	456
Spring and wire product manufacturing	<1	382	487	1,405
Machine shops	<1	14,068	16,936	33,575
Turned product and screw, nut, and bolt manufacturing	<1	4,130	5,762	14,932
Metal heat treating	<1	435	606	1,610
Metal coating and nonprecious engraving	<1	1,132	1,869	5,039
Electroplating, anodizing, and coloring metal	<1	1,409	1,590	3,541
Valve and fittings, other than plumbing, manufacturing	<1	227	351	846
Plumbing fixture fitting and trim manufacturing	<1	22	56	142
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	285	564	1,082
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	304	531	862
Fabricated pipe and pipe fitting manufacturing	<1	107	129	324
Other fabricated metal manufacturing	<1	407	525	1,426
Farm machinery and equipment manufacturing	<1	32	56	212

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Lawn and garden equipment manufacturing	<1	52	95	366
Construction machinery manufacturing	<1	21	49	130
Mining machinery and equipment manufacturing	<1	2	2	6
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	3
Semiconductor machinery manufacturing	<1	17	20	49
Food product machinery manufacturing	<1	7	8	21
Sawmill, woodworking, and paper machinery	<1	8	9	25
Printing machinery and equipment manufacturing	<1	9	10	27
All other industrial machinery manufacturing	<1	50	64	154
Optical instrument and lens manufacturing	<1	1	1	5
Photographic and photocopying equipment manufacturing	<1	16	22	62
Other commercial service industry machinery manufacturing	<1	139	232	587
Air purification and ventilation equipment manufacturing	<1	14	20	49
Heating equipment (except warm air furnaces) manufacturing	<1	83	131	405
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	254	469	1,220
Industrial mold manufacturing	<1	138	163	307
Special tool, die, jig, and fixture manufacturing	<1	119	160	289
Cutting tool and machine tool accessory manufacturing	<1	134	153	322
Machine tool manufacturing	<1	22	29	81
Rolling mill and other metalworking machinery manufacturing	<1	4	5	13
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5	8	28
Mechanical power transmission equipment manufacturing	<1	27	43	93
Other engine equipment manufacturing	<1	20	44	176

Appendix

Pump and pumping equipment manufacturing	<1	29	53	164
Air and gas compressor manufacturing	<1	3	5	19
Elevator and moving stairway manufacturing	<1	1	2	7
Conveyor and conveying equipment manufacturing	<1	29	33	90
Overhead cranes, hoists, and monorail systems manufacturing	<1	9	17	57
Industrial truck, trailer, and stacker manufacturing	<1	14	22	77
Power-driven handtool manufacturing	<1	3	7	20
Welding and soldering equipment manufacturing	<1	3	4	10
Packaging machinery manufacturing	<1	82	123	307
Industrial process furnace and oven manufacturing	<1	2	2	3
Fluid power cylinder and actuator manufacturing	<1	72	102	260
Fluid power pump and motor manufacturing	<1	303	485	1,230
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	91	114	289
Electronic computer manufacturing	<1	64	128	415
Computer storage device manufacturing	<1	110	256	959
Computer terminals and other computer peripheral equipment manufacturing	<1	96	152	391
Telephone apparatus manufacturing	<1	13	20	63
Broadcast and wireless communications equipment manufacturing	<1	36	55	166
Other communications equipment manufacturing	<1	42	65	173
Audio and video equipment manufacturing	<1	8	14	53
Printed circuit assembly (electronic assembly) manufacturing	<1	1,651	2,838	12,028
Bare printed circuit board manufacturing	<1	616	784	2,019
Semiconductor and related device manufacturing	<1	1,472	2,363	6,755

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	65	91	248
Electronic connector manufacturing	<1	452	662	1,931
Other electronic component manufacturing	<1	634	838	2,647
Electromedical and electrotherapeutic apparatus manufacturing	<1	193	343	697
Search, detection, and navigation instruments manufacturing	<1	137	224	435
Automatic environmental control manufacturing	<1	952	1,227	2,409
Industrial process variable instruments manufacturing	<1	609	927	2,355
Totalizing fluid meter and counting device manufacturing	<1	8	16	42
Electricity and signal testing instruments manufacturing	<1	1,423	2,189	8,298
Analytical laboratory instrument manufacturing	<1	109,958	179,932	381,571
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	116	203	448
Blank magnetic and optical recording media manufacturing	<1	53	144	385
Software and other prerecorded and record reproducing	<1	49	68	145
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	81	137	345
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	<1	7	22	62
Household refrigerator and home freezer manufacturing	<1	8	25	67
Household laundry equipment manufacturing	<1	17	40	147
Other major household appliance manufacturing	<1	3	11	27
Power, distribution, and specialty transformer manufacturing	<1	5	8	23
Motor and generator manufacturing	<1	599	1,237	2,872
Switchgear and switchboard apparatus manufacturing	<1	40	83	189

Appendix

Relay and industrial control manufacturing	<1	1,883	2,993	6,815
Storage battery manufacturing	<1	6	9	30
Primary battery manufacturing	<1	37	44	178
Fiber optic cable manufacturing	<1	45	60	221
Other communication and energy wire manufacturing	<1	56	101	331
Wiring device manufacturing	<1	1,227	2,955	6,244
Carbon and graphite product manufacturing	<1	9	19	51
All other miscellaneous electrical equipment and component manufacturing	<1	5	6	19
Automobile manufacturing	<1	77	337	1,151
Light truck and utility vehicle manufacturing	<1	25	63	611
Heavy duty truck manufacturing	<1	19	57	277
Motor vehicle body manufacturing	<1	5	7	25
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	<1	313	525	1,650
Travel trailer and camper manufacturing	<1	154	174	708
Motor vehicle gasoline engine and engine parts manufacturing	<1	99	161	778
Motor vehicle electrical and electronic equipment manufacturing	<1	67	97	456
Motor vehicle transmission and power train parts manufacturing	<1	307	516	1,893
Motor vehicle seating and interior trim manufacturing	<1	2	3	16
Motor vehicle metal stamping	<1	20	26	126
Other motor vehicle parts manufacturing	<1	228	311	1,402
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	162	295	978
Aircraft manufacturing	<1	<1	3	8
Aircraft engine and engine parts manufacturing	<1	11	42	81
Other aircraft parts and auxiliary equipment manufacturing	<1	9	20	39
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	<1	<1	<1	2
Boat building	<1	243	477	1,391
Motorcycle, bicycle, and parts manufacturing	<1	6	48	84
Military armored vehicle, tank, and tank component manufacturing	<1	1	7	12
All other transportation equipment manufacturing	<1	926	3,306	8,213
Wood kitchen cabinet and countertop manufacturing	<1	468	597	1,342
Upholstered household furniture manufacturing	<1	<1	<1	3
Nonupholstered wood household furniture manufacturing	<1	13	15	47
Other household nonupholstered furniture manufacturing	<1	53	82	245
Institutional furniture manufacturing	<1	6	7	17
Wood office furniture manufacturing	<1	2	3	9
Custom architectural woodwork and millwork	<1	7	6	17
Office furniture, except wood, manufacturing	<1	17	27	65
Showcase, partition, shelving, and locker manufacturing	<1	68	90	235
Mattress manufacturing	<1	229	389	736
Blind and shade manufacturing	<1	<1	<1	2
Surgical and medical instrument manufacturing	<1	623	1,424	2,477
Surgical appliance and supplies manufacturing	<1	347	877	1,523
Dental equipment and supplies manufacturing	<1	2	4	10
Ophthalmic goods manufacturing	<1	119	301	549
Dental laboratories	<1	64	67	119
Jewelry and silverware manufacturing	<1	107	176	431
Sporting and athletic goods manufacturing	<1	233	374	896
Doll, toy, and game manufacturing	<1	6	12	33
Office supplies (except paper) manufacturing	<1	33	57	161
Sign manufacturing	<1	212	209	457
Gasket, packing, and sealing device manufacturing	<1	74	102	215

Appendix

Musical instrument manufacturing	<1	16	19	48
Fasteners, buttons, needles, and pins manufacturing	<1	6	9	24
Broom, brush, and mop manufacturing	<1	4	9	23
Burial casket manufacturing	<1	16	23	41
All other miscellaneous manufacturing	<1	450	672	1,547
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,370	2,951	6,207
Wholesale - Professional and commercial equipment and supplies	<1	8,161	12,541	20,105
Wholesale - Household appliances and electrical and electronic goods	<1	9,150	19,732	40,294
Wholesale - Machinery, equipment, and supplies	<1	3,796	6,768	11,255
Wholesale - Other durable goods merchant wholesalers	<1	6,582	10,719	18,890
Wholesale - Drugs and druggists' sundries	<1	3,268	8,603	14,311
Wholesale - Grocery and related product wholesalers	<1	4,270	5,592	9,650
Wholesale - Petroleum and petroleum products	<1	556	9,134	10,447
Wholesale - Other nondurable goods merchant wholesalers	<1	8,910	17,434	29,385
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,846	3,974	4,517
Retail - Motor vehicle and parts dealers	<1	3,766	5,728	8,429
Retail - Furniture and home furnishings stores	<1	2,060	2,730	4,362
Retail - Electronics and appliance stores	<1	2,271	2,030	3,551
Retail - Building material and garden equipment and supplies stores	<1	2,584	4,509	6,798
Retail - Food and beverage stores	<1	7,074	9,207	15,137
Retail - Health and personal care stores	<1	4,486	5,416	8,027
Retail - Gasoline stores	<1	2,486	4,157	7,873
Retail - Clothing and clothing accessories stores	<1	2,491	3,848	7,902
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,703	2,293	3,743
Retail - General merchandise stores	<1	6,214	9,000	15,067

Appendix

Retail - Miscellaneous store retailers	<1	3,086	3,684	5,928
Retail - Nonstore retailers	<1	5,435	15,760	29,329
Air transportation	<1	6,358	13,874	23,828
Rail transportation	<1	1,571	3,933	6,515
Water transportation	<1	2,618	2,143	3,785
Truck transportation	<1	36,383	41,230	77,805
Transit and ground passenger transportation	<1	5,964	7,400	9,441
Pipeline transportation	<1	1,765	2,509	2,853
Scenic and sightseeing transportation and support activities for transportation	<1	4,376	4,899	10,623
Couriers and messengers	<1	4,828	6,350	10,920
Warehousing and storage	<1	5,188	5,745	10,919
Newspaper publishers	<1	1,283	2,145	2,680
Periodical publishers	<1	676	1,059	1,586
Book publishers	<1	1,968	5,762	8,444
Directory, mailing list, and other publishers	<1	229	634	932
Greeting card publishing	<1	4	11	15
Software publishers	<1	63,568	140,102	154,581
Motion picture and video industries	<1	1,022	1,598	5,264
Sound recording industries	<1	268	1,336	2,821
Radio and television broadcasting	<1	4,846	6,177	14,047
Cable and other subscription programming	<1	87	474	1,209
Wired telecommunications carriers	<1	4,656	11,333	18,983
Wireless telecommunications carriers (except satellite)	<1	944	7,348	14,825
Satellite, telecommunications resellers, and all other telecommunications	<1	1,228	1,877	3,858
Data processing, hosting, and related services	<1	35,381	62,889	122,812
News syndicates, libraries, archives and all other information services	<1	1,006	1,680	3,199
Internet publishing and broadcasting and web search portals	<1	1,858	3,944	11,910
Nondepository credit intermediation and related activities	<1	6,345	7,951	12,011
Securities and commodity contracts intermediation and brokerage	<1	19,077	15,582	26,319

Appendix

Monetary authorities and depository credit intermediation	<1	25,034	66,186	99,172
Other financial investment activities	<1	12,686	15,096	30,700
Direct life insurance carriers	<1	4,802	8,220	10,994
Insurance carriers, except direct life	<1	13,967	36,539	67,281
Insurance agencies, brokerages, and related activities	<1	7,647	11,179	24,013
Funds, trusts, and other financial vehicles	<1	3,302	4,693	13,385
Other real estate	<1	21,941	67,667	157,360
Tenant-occupied housing	<1	2,008	29,259	32,500
Owner-occupied dwellings	0	0	97,410	123,658
Automotive equipment rental and leasing	<1	1,702	3,282	4,601
General and consumer goods rental except video tapes and discs	<1	1,900	2,527	3,769
Video tape and disc rental	<1	437	709	1,086
Commercial and industrial machinery and equipment rental and leasing	<1	1,814	3,149	4,526
Lessors of nonfinancial intangible assets	<1	-2,668	7,112	9,619
Legal services	<1	25,711	40,819	54,156
Accounting, tax preparation, bookkeeping, and payroll services	<1	11,137	14,934	20,556
Architectural, engineering, and related services	<1	11,416	12,701	21,183
Specialized design services	<1	943	1,528	2,164
Custom computer programming services	<1	19,902	21,271	28,006
Computer systems design services	<1	9,434	9,151	11,337
Other computer related services, including facilities management	<1	5,595	9,011	14,069
Management consulting services	<1	38,737	40,353	57,206
Environmental and other technical consulting services	<1	4,176	4,421	6,373
Scientific research and development services	3	329,205	434,213	809,025
Advertising, public relations, and related services	<1	16,240	22,198	35,131
Photographic services	<1	278	706	1,173
Veterinary services	<1	1,244	1,567	2,375
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	7,709	14,161	23,971

Appendix

Management of companies and enterprises	<1	92,221	104,916	156,272
Office administrative services	<1	7,176	1,990	5,224
Facilities support services	<1	258	353	740
Employment services	<1	33,747	46,018	64,465
Business support services	<1	5,130	4,116	6,361
Travel arrangement and reservation services	<1	1,361	1,685	3,619
Investigation and security services	<1	2,777	2,732	3,778
Services to buildings	<1	4,662	6,219	10,896
Landscape and horticultural services	<1	3,632	4,388	7,247
Other support services	<1	2,570	3,181	5,858
Waste management and remediation services	<1	2,370	4,217	7,192
Elementary and secondary schools	<1	5,737	4,926	5,743
Junior colleges, colleges, universities, and professional schools	<1	11,832	16,216	22,568
Other educational services	<1	3,544	4,026	7,636
Offices of physicians	<1	34,445	36,593	49,152
Offices of dentists	<1	5,645	7,652	10,303
Offices of other health practitioners	<1	4,135	6,740	8,815
Outpatient care centers	<1	5,789	5,398	8,538
Medical and diagnostic laboratories	<1	1,001	1,618	2,171
Home health care services	<1	4,974	4,837	6,554
Other ambulatory health care services	<1	2,303	2,668	3,956
Hospitals	<1	54,621	63,244	117,685
Nursing and community care facilities	<1	7,872	9,420	15,832
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,971	4,472	6,919
Individual and family services	<1	12,031	10,457	15,244
Child day care services	<1	3,113	4,501	5,882
Community food, housing, and other relief services, including rehabilitation services	<1	3,223	3,178	6,903
Performing arts companies	<1	1,376	2,137	3,356
Commercial Sports Except Racing	<1	5,434	4,029	6,168
Racing and Track Operation	<1	339	813	1,074
Independent artists, writers, and performers	<1	602	2,285	2,984

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,034	2,203	4,003
Museums, historical sites, zoos, and parks	<1	574	761	1,256
Amusement parks and arcades	<1	311	869	1,113
Gambling industries (except casino hotels)	<1	1,225	2,534	4,363
Other amusement and recreation industries	<1	1,458	2,023	3,717
Fitness and recreational sports centers	<1	1,341	2,062	3,427
Bowling centers	<1	249	439	770
Hotels and motels, including casino hotels	<1	2,032	4,079	6,466
Other accommodations	<1	677	985	1,362
Full-service restaurants	<1	11,345	17,111	28,895
Limited-service restaurants	<1	7,717	12,960	27,249
All other food and drinking places	<1	7,919	11,256	16,999
Automotive repair and maintenance, except car washes	<1	10,850	10,805	16,418
Car washes	<1	4,222	6,432	9,672
Electronic and precision equipment repair and maintenance	<1	81,459	108,550	157,769
Commercial and industrial machinery and equipment repair and maintenance	<1	3,617	3,897	5,452
Personal and household goods repair and maintenance	<1	1,240	2,210	3,147
Personal care services	<1	4,854	3,872	5,084
Death care services	<1	928	396	626
Dry-cleaning and laundry services	<1	2,720	1,052	1,554
Other personal services	<1	2,260	2,712	3,818
Religious organizations	<1	14,817	5,116	23,215
Grantmaking, giving, and social advocacy organizations	<1	3,519	9,756	15,168
Business and professional associations	<1	2,357	3,717	6,317
Labor and civic organizations	<1	2,235	5,661	11,708
Private households	<1	1,039	1,039	1,039
Postal service	<1	5,665	5,668	6,029
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	97	-728	45
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	2	3	4
Local government passenger transit	<1	1,855	-2,021	802
Local government electric utilities	<1	345	793	1,772
Other local government enterprises	<1	4,430	7,349	19,326
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	92,971	166,085	379,958

Investments in Climate Change Research and Technology

Table 696: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Minnesota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>60</i>	<i>3,674,109</i>	<i>5,770,303</i>	<i>10,772,004</i>
Oilseed farming	<1	3,937	13,235	32,400
Grain farming	<1	4,013	3,509	43,650
Vegetable and melon farming	<1	505	953	2,887
Fruit farming	<1	64	133	304
Tree nut farming	<1	<1	1	3
Greenhouse, nursery, and floriculture production	<1	543	790	2,317
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	500	694	2,192
All other crop farming	<1	467	632	2,006
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	853	2,678	15,298

Appendix

Dairy cattle and milk production	<1	428	974	8,881
Poultry and egg production	<1	491	736	12,738
Animal production, except cattle and poultry and eggs	<1	3,943	9,947	22,336
Forestry, forest products, and timber tract production	<1	151	155	205
Commercial logging	<1	388	308	702
Commercial fishing	<1	21	50	71
Commercial hunting and trapping	<1	100	253	431
Support activities for agriculture and forestry	<1	2,946	2,647	3,281
Oil and gas extraction	<1	1,917	328	10,876
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	2,739	21,941	23,659
Iron ore mining	<1	52	216	660
Gold ore mining	<1	4	22	21
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	22	100	117
Other metal ore mining	<1	2	10	10
Stone mining and quarrying	<1	155	2,054	2,492
Sand and gravel mining	<1	249	1,440	1,836
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	41	236	338
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	<1	5
Metal mining services	<1	33	19	256
Other nonmetallic minerals services	<1	2	<1	10
Electric power generation - Hydroelectric	<1	1,226	3,260	8,106
Electric power generation - Fossil fuel	<1	5,150	16,662	50,074
Electric power generation - Nuclear	<1	6,939	13,950	34,678
Electric power generation - Solar	<1	207	650	1,635
Electric power generation - Wind	<1	815	5,008	11,331
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	424	1,436	4,413
Electric power generation - All other	<1	865	391	1,469
Electric power transmission and distribution	<1	17,128	49,930	136,843
Natural gas distribution	<1	3,771	8,579	21,547
Water, sewage and other systems	<1	368	702	1,309
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	15,278	20,969	46,411
Maintenance and repair construction of residential structures	<1	4,936	6,705	14,960
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	8	11	24
Dog and cat food manufacturing	<1	426	1,047	4,807
Other animal food manufacturing	<1	1,285	1,902	13,723
Flour milling	<1	685	1,163	6,348
Rice milling	<1	15	24	136
Malt manufacturing	<1	335	546	2,951
Wet corn milling	<1	1,442	2,975	15,343
Soybean and other oilseed processing	<1	330	1,440	12,504
Fats and oils refining and blending	<1	57	100	1,084
Breakfast cereal manufacturing	<1	2,548	5,225	14,176
Beet sugar manufacturing	<1	440	827	3,183

Appendix

Sugar cane mills and refining	<1	81	182	771
Nonchocolate confectionery manufacturing	<1	392	557	2,254
Chocolate and confectionery manufacturing from cacao beans	<1	44	61	253
Confectionery manufacturing from purchased chocolate	<1	98	127	680
Frozen fruits, juices and vegetables manufacturing	<1	468	809	3,402
Frozen specialties manufacturing	<1	1,031	1,361	5,625
Canned fruits and vegetables manufacturing	<1	693	1,233	4,639
Canned specialties	<1	129	283	1,189
Dehydrated food products manufacturing	<1	23	38	154
Cheese manufacturing	<1	888	1,192	10,452
Dry, condensed, and evaporated dairy product manufacturing	<1	380	786	5,810
Fluid milk manufacturing	<1	766	1,099	6,399
Creamery butter manufacturing	<1	101	401	2,840
Ice cream and frozen dessert manufacturing	<1	420	535	1,654
Frozen cakes and other pastries manufacturing	<1	1,029	1,434	2,672
Poultry processing	<1	5,486	6,393	26,445
Animal, except poultry, slaughtering	<1	2,532	3,001	21,546
Meat processed from carcasses	<1	2,422	2,260	14,846
Rendering and meat byproduct processing	<1	111	106	525
Seafood product preparation and packaging	<1	299	351	1,980
Bread and bakery product, except frozen, manufacturing	<1	3,350	4,472	11,136
Cookie and cracker manufacturing	<1	24	32	102
Dry pasta, mixes, and dough manufacturing	<1	288	554	1,910
Tortilla manufacturing	<1	360	430	1,385
Roasted nuts and peanut butter manufacturing	<1	318	549	2,091
Other snack food manufacturing	<1	928	1,863	6,652
Coffee and tea manufacturing	<1	172	279	1,204
Flavoring syrup and concentrate manufacturing	<1	91	550	1,021
Mayonnaise, dressing, and sauce manufacturing	<1	23	39	166
Spice and extract manufacturing	<1	128	191	918
All other food manufacturing	<1	1,194	1,627	6,858

Appendix

Bottled and canned soft drinks & water	<1	882	1,354	6,070
Manufactured ice	<1	60	29	172
Breweries	<1	1,504	3,114	11,405
Wineries	<1	125	199	1,230
Distilleries	<1	375	1,540	4,184
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	7	30
Broadwoven fabric mills	<1	23	83	221
Narrow fabric mills and schiffli machine embroidery	<1	5	7	21
Nonwoven fabric mills	<1	34	166	398
Knit fabric mills	<1	5	11	27
Textile and fabric finishing mills	<1	3	7	30
Fabric coating mills	<1	24	64	223
Carpet and rug mills	<1	174	658	1,603
Curtain and linen mills	<1	88	189	534
Textile bag and canvas mills	<1	59	106	278
Rope, cordage, twine, tire cord and tire fabric mills	<1	179	552	1,009
Other textile product mills	<1	276	500	1,105
Hosiery and sock mills	<1	5	8	20
Other apparel knitting mills	<1	15	23	71
Cut and sew apparel contractors	<1	9	14	34
Mens and boys cut and sew apparel manufacturing	<1	20	29	100
Womens and girls cut and sew apparel manufacturing	<1	5	9	42
Other cut and sew apparel manufacturing	<1	57	102	378
Apparel accessories and other apparel manufacturing	<1	22	38	133
Leather and hide tanning and finishing	<1	69	150	350
Footwear manufacturing	<1	360	410	811
Other leather and allied product manufacturing	<1	5	5	11
Sawmills	<1	154	200	772
Wood preservation	<1	126	235	675
Veneer and plywood manufacturing	<1	231	296	824
Engineered wood member and truss manufacturing	<1	255	318	885
Reconstituted wood product manufacturing	<1	191	328	942
Wood windows and door manufacturing	<1	2,256	2,727	6,128

Appendix

Cut stock, resawing lumber, and planing	<1	4	6	22
Other millwork, including flooring	<1	324	429	1,185
Wood container and pallet manufacturing	<1	588	707	1,791
Manufactured home (mobile home) manufacturing	<1	1	2	4
Prefabricated wood building manufacturing	<1	99	120	313
All other miscellaneous wood product manufacturing	<1	255	320	963
Pulp mills	<1	86	148	543
Paper mills	<1	2,249	6,008	16,807
Paperboard mills	<1	760	2,030	6,458
Paperboard container manufacturing	<1	2,043	3,378	12,798
Paper bag and coated and treated paper manufacturing	<1	1,836	3,753	10,933
Stationery product manufacturing	<1	374	607	1,893
Sanitary paper product manufacturing	<1	241	810	2,147
All other converted paper product manufacturing	<1	58	91	270
Printing	<1	13,554	19,009	37,594
Support activities for printing	<1	1,701	2,270	3,038
Petroleum refineries	<1	4,431	34,340	117,622
Asphalt paving mixture and block manufacturing	<1	27	44	151
Asphalt shingle and coating materials manufacturing	<1	162	658	1,294
Petroleum lubricating oil and grease manufacturing	<1	110	449	955
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	107	459	4,342
Industrial gas manufacturing	<1	548	778	2,798
Synthetic dye and pigment manufacturing	<1	<1	1	6
Other basic inorganic chemical manufacturing	<1	<1	<1	5
Other basic organic chemical manufacturing	<1	1,343	1,941	14,414
Plastics material and resin manufacturing	<1	839	1,018	6,992
Synthetic rubber manufacturing	<1	102	116	469
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	12	18	86
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	25	33	118
Pesticide and other agricultural chemical manufacturing	<1	86	156	946
Medicinal and botanical manufacturing	<1	73	86	316
Pharmaceutical preparation manufacturing	<1	529	1,014	4,130
In-vitro diagnostic substance manufacturing	<1	607	677	1,526
Biological product (except diagnostic) manufacturing	<1	71	100	284
Paint and coating manufacturing	<1	302	384	1,732
Adhesive manufacturing	<1	705	831	2,454
Soap and other detergent manufacturing	<1	356	605	3,192
Polish and other sanitation good manufacturing	<1	460	540	1,752
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,061	1,900	5,707
Printing ink manufacturing	<1	258	267	855
Explosives manufacturing	<1	20	21	51
Custom compounding of purchased resins	<1	577	709	2,555
Photographic film and chemical manufacturing	<1	1,339	1,977	6,457
Other miscellaneous chemical product manufacturing	<1	1,189	1,424	4,857
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,166	1,758	7,095
Unlaminated plastics profile shape manufacturing	<1	935	1,784	5,815
Plastics pipe and pipe fitting manufacturing	<1	762	1,738	5,315
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	40	67	234
Polystyrene foam product manufacturing	<1	159	246	964
Urethane and other foam product (except polystyrene) manufacturing	<1	223	331	1,477
Plastics bottle manufacturing	<1	22	33	192
Other plastics product manufacturing	<1	6,221	8,347	26,975

Appendix

Tire manufacturing	<1	114	159	755
Rubber and plastics hoses and belting manufacturing	<1	4	5	15
Other rubber product manufacturing	<1	1,520	2,011	6,582
Pottery, ceramics, and plumbing fixture manufacturing	<1	60	100	311
Brick, tile, and other structural clay product manufacturing	<1	171	348	756
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	82	172	411
Glass container manufacturing	<1	251	461	1,180
Glass product manufacturing made of purchased glass	<1	1,156	2,267	5,168
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	631	1,266	3,924
Concrete block and brick manufacturing	<1	255	553	1,476
Concrete pipe manufacturing	<1	34	73	202
Other concrete product manufacturing	<1	490	779	1,829
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	153	505	1,163
Abrasive product manufacturing	<1	29	106	176
Cut stone and stone product manufacturing	<1	279	352	785
Ground or treated mineral and earth manufacturing	<1	273	871	1,730
Mineral wool manufacturing	<1	10	27	68
Miscellaneous nonmetallic mineral products manufacturing	<1	76	283	608
Iron and steel mills and ferroalloy manufacturing	<1	416	819	4,059
Iron, steel pipe and tube manufacturing from purchased steel	<1	188	345	1,637
Rolled steel shape manufacturing	<1	153	340	1,581
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	41	67	441
Secondary smelting and alloying of aluminum	<1	34	64	514
Aluminum sheet, plate, and foil manufacturing	<1	15	31	178
Other aluminum rolling, drawing and extruding	<1	59	89	442

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	71	109	825
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	28	59	284
Ferrous metal foundries	<1	296	478	1,157
Nonferrous metal foundries	<1	503	730	1,749
Custom roll forming	<1	25	42	182
Crown and closure manufacturing and metal stamping	<1	1,170	1,466	4,204
Iron and steel forging	<1	815	1,283	4,200
Nonferrous forging	<1	185	264	944
Cutlery, utensil, pot, and pan manufacturing	<1	60	144	328
Handtool manufacturing	<1	335	526	1,129
Prefabricated metal buildings and components manufacturing	<1	78	110	304
Fabricated structural metal manufacturing	<1	444	647	2,065
Plate work manufacturing	<1	464	511	1,552
Metal window and door manufacturing	<1	371	496	1,224
Sheet metal work manufacturing	<1	2,988	3,898	9,935
Ornamental and architectural metal work manufacturing	<1	583	747	1,902
Power boiler and heat exchanger manufacturing	<1	24	32	90
Metal tank (heavy gauge) manufacturing	<1	135	170	470
Metal cans manufacturing	<1	185	398	2,054
Metal barrels, drums and pails manufacturing	<1	82	101	392
Hardware manufacturing	<1	201	311	1,114
Spring and wire product manufacturing	<1	314	423	1,206
Machine shops	<1	3,415	4,147	8,431
Turned product and screw, nut, and bolt manufacturing	<1	690	992	2,649
Metal heat treating	<1	178	253	668
Metal coating and nonprecious engraving	<1	486	827	2,190
Electroplating, anodizing, and coloring metal	<1	660	751	1,683
Valve and fittings, other than plumbing, manufacturing	<1	284	435	1,082

Appendix

Plumbing fixture fitting and trim manufacturing	<1	56	144	377
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	659	1,270	2,664
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	545	958	1,710
Fabricated pipe and pipe fitting manufacturing	<1	354	437	1,071
Other fabricated metal manufacturing	<1	589	768	2,142
Farm machinery and equipment manufacturing	<1	80	139	533
Lawn and garden equipment manufacturing	<1	87	149	652
Construction machinery manufacturing	<1	107	229	677
Mining machinery and equipment manufacturing	<1	7	11	25
Oil and gas field machinery and equipment manufacturing	<1	3	5	16
Semiconductor machinery manufacturing	<1	18	20	54
Food product machinery manufacturing	<1	15	17	43
Sawmill, woodworking, and paper machinery	<1	21	23	68
Printing machinery and equipment manufacturing	<1	10	11	33
All other industrial machinery manufacturing	<1	45	56	138
Optical instrument and lens manufacturing	<1	2	3	10
Photographic and photocopying equipment manufacturing	<1	10	13	38
Other commercial service industry machinery manufacturing	<1	172	266	706
Air purification and ventilation equipment manufacturing	<1	28	37	96
Heating equipment (except warm air furnaces) manufacturing	<1	372	555	1,954
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	667	1,150	3,290
Industrial mold manufacturing	<1	142	163	324
Special tool, die, jig, and fixture manufacturing	<1	73	94	181

Appendix

Cutting tool and machine tool accessory manufacturing	<1	75	84	180
Machine tool manufacturing	<1	14	17	49
Rolling mill and other metalworking machinery manufacturing	<1	8	10	25
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	11	15	61
Mechanical power transmission equipment manufacturing	<1	93	142	325
Other engine equipment manufacturing	<1	21	41	216
Pump and pumping equipment manufacturing	<1	48	80	269
Air and gas compressor manufacturing	<1	8	14	49
Elevator and moving stairway manufacturing	<1	5	6	26
Conveyor and conveying equipment manufacturing	<1	41	46	132
Overhead cranes, hoists, and monorail systems manufacturing	<1	18	33	114
Industrial truck, trailer, and stacker manufacturing	<1	29	44	163
Power-driven handtool manufacturing	<1	2	6	17
Welding and soldering equipment manufacturing	<1	4	6	18
Packaging machinery manufacturing	<1	63	88	235
Industrial process furnace and oven manufacturing	<1	1	1	3
Fluid power cylinder and actuator manufacturing	<1	69	95	239
Fluid power pump and motor manufacturing	<1	69	106	288
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	62	75	208
Electronic computer manufacturing	<1	153	286	931
Computer storage device manufacturing	<1	164	380	1,415
Computer terminals and other computer peripheral equipment manufacturing	<1	29,476	46,227	107,456
Telephone apparatus manufacturing	<1	60	98	281

Appendix

Broadcast and wireless communications equipment manufacturing	<1	6	9	28
Other communications equipment manufacturing	<1	45	75	180
Audio and video equipment manufacturing	<1	10	16	64
Printed circuit assembly (electronic assembly) manufacturing	<1	295	531	2,253
Bare printed circuit board manufacturing	<1	501	651	1,499
Semiconductor and related device manufacturing	<1	201	351	1,121
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	36	50	142
Electronic connector manufacturing	<1	366	553	1,617
Other electronic component manufacturing	<1	171	233	736
Electromedical and electrotherapeutic apparatus manufacturing	<1	266	485	1,008
Search, detection, and navigation instruments manufacturing	<1	4	7	15
Automatic environmental control manufacturing	<1	869	1,139	2,285
Industrial process variable instruments manufacturing	<1	177	274	700
Totalizing fluid meter and counting device manufacturing	<1	15	34	85
Electricity and signal testing instruments manufacturing	<1	11	17	65
Analytical laboratory instrument manufacturing	<1	477	802	1,662
Irradiation apparatus manufacturing	<1	<1	1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	48	85	189
Blank magnetic and optical recording media manufacturing	<1	29	77	252
Software and other prerecorded and record reproducing	<1	102	144	355
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	101	172	449
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	<1	15	42	125
Household refrigerator and home freezer manufacturing	<1	17	48	137
Household laundry equipment manufacturing	<1	38	79	304
Other major household appliance manufacturing	<1	7	22	58
Power, distribution, and specialty transformer manufacturing	<1	6	11	32
Motor and generator manufacturing	<1	628	1,243	2,970
Switchgear and switchboard apparatus manufacturing	<1	74	147	363
Relay and industrial control manufacturing	<1	283	437	1,038
Storage battery manufacturing	<1	12	20	71
Primary battery manufacturing	<1	91	64	436
Fiber optic cable manufacturing	<1	51	68	288
Other communication and energy wire manufacturing	<1	57	100	347
Wiring device manufacturing	<1	334	772	1,822
Carbon and graphite product manufacturing	<1	27	53	140
All other miscellaneous electrical equipment and component manufacturing	<1	16	20	57
Automobile manufacturing	<1	206	978	3,328
Light truck and utility vehicle manufacturing	<1	206	754	4,980
Heavy duty truck manufacturing	<1	62	210	1,018
Motor vehicle body manufacturing	<1	15	23	74
Truck trailer manufacturing	<1	5	8	28
Motor home manufacturing	<1	1,588	3,077	9,302
Travel trailer and camper manufacturing	<1	531	622	2,471
Motor vehicle gasoline engine and engine parts manufacturing	<1	198	357	1,601
Motor vehicle electrical and electronic equipment manufacturing	<1	193	316	1,652
Motor vehicle transmission and power train parts manufacturing	<1	372	662	2,904
Motor vehicle seating and interior trim manufacturing	<1	8	10	56
Motor vehicle metal stamping	<1	94	130	651
Other motor vehicle parts manufacturing	<1	423	701	2,652

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	325	625	2,116
Aircraft manufacturing	<1	2	12	28
Aircraft engine and engine parts manufacturing	<1	<1	4	8
Other aircraft parts and auxiliary equipment manufacturing	<1	3	8	15
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	4
Ship building and repairing	<1	1	3	5
Boat building	<1	840	1,637	4,913
Motorcycle, bicycle, and parts manufacturing	<1	9	70	127
Military armored vehicle, tank, and tank component manufacturing	<1	7	35	73
All other transportation equipment manufacturing	<1	1,930	6,426	17,089
Wood kitchen cabinet and countertop manufacturing	<1	1,258	1,780	3,939
Upholstered household furniture manufacturing	<1	1	1	5
Nonupholstered wood household furniture manufacturing	<1	27	33	103
Other household nonupholstered furniture manufacturing	<1	98	154	487
Institutional furniture manufacturing	<1	17	19	50
Wood office furniture manufacturing	<1	5	7	20
Custom architectural woodwork and millwork	<1	13	12	34
Office furniture, except wood, manufacturing	<1	29	52	115
Showcase, partition, shelving, and locker manufacturing	<1	114	170	437
Mattress manufacturing	<1	524	917	1,775
Blind and shade manufacturing	<1	<1	<1	5
Surgical and medical instrument manufacturing	<1	1,076	2,405	4,607
Surgical appliance and supplies manufacturing	<1	561	1,343	2,548
Dental equipment and supplies manufacturing	<1	3	7	18

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Ophthalmic goods manufacturing	<1	234	559	1,089
Dental laboratories	<1	110	115	207
Jewelry and silverware manufacturing	<1	266	426	1,069
Sporting and athletic goods manufacturing	<1	506	800	2,102
Doll, toy, and game manufacturing	<1	10	20	57
Office supplies (except paper) manufacturing	<1	77	127	407
Sign manufacturing	<1	620	582	1,319
Gasket, packing, and sealing device manufacturing	<1	210	284	626
Musical instrument manufacturing	<1	17	20	52
Fasteners, buttons, needles, and pins manufacturing	<1	10	14	40
Broom, brush, and mop manufacturing	<1	7	12	41
Burial casket manufacturing	<1	77	103	212
All other miscellaneous manufacturing	<1	997	1,443	3,577
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,776	6,029	12,625
Wholesale - Professional and commercial equipment and supplies	<1	15,595	24,086	39,236
Wholesale - Household appliances and electrical and electronic goods	<1	5,908	13,322	27,535
Wholesale - Machinery, equipment, and supplies	<1	6,937	12,644	20,985
Wholesale - Other durable goods merchant wholesalers	<1	12,728	20,886	37,067
Wholesale - Drugs and druggists' sundries	<1	7,239	19,656	33,318
Wholesale - Grocery and related product wholesalers	<1	12,171	16,116	28,067
Wholesale - Petroleum and petroleum products	<1	1,607	18,434	21,767
Wholesale - Other nondurable goods merchant wholesalers	<1	20,462	38,146	66,649
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,694	8,985	10,263
Retail - Motor vehicle and parts dealers	<1	9,408	14,292	21,249
Retail - Furniture and home furnishings stores	<1	4,841	6,411	10,463
Retail - Electronics and appliance stores	<1	5,482	4,789	8,630

Appendix

Retail - Building material and garden equipment and supplies stores	<1	6,118	10,702	16,286
Retail - Food and beverage stores	<1	15,219	20,068	33,855
Retail - Health and personal care stores	<1	10,947	13,154	19,620
Retail - Gasoline stores	<1	4,612	8,262	16,685
Retail - Clothing and clothing accessories stores	<1	5,638	8,883	19,040
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,030	5,434	9,135
Retail - General merchandise stores	<1	15,987	22,959	38,645
Retail - Miscellaneous store retailers	<1	6,913	8,345	14,071
Retail - Nonstore retailers	<1	12,271	33,559	64,751
Air transportation	<1	14,821	30,344	54,033
Rail transportation	<1	3,625	10,935	16,664
Water transportation	<1	5,893	4,772	8,914
Truck transportation	<1	24,493	28,451	55,144
Transit and ground passenger transportation	<1	8,767	10,639	14,833
Pipeline transportation	<1	10,493	11,140	12,621
Scenic and sightseeing transportation and support activities for transportation	<1	10,714	11,949	25,646
Couriers and messengers	<1	7,884	10,259	17,897
Warehousing and storage	<1	7,096	7,854	15,198
Newspaper publishers	<1	2,938	4,835	6,180
Periodical publishers	<1	1,140	1,754	2,837
Book publishers	<1	5,526	16,149	24,221
Directory, mailing list, and other publishers	<1	679	1,769	2,626
Greeting card publishing	<1	7	18	25
Software publishers	<1	46,928	101,917	114,004
Motion picture and video industries	<1	1,728	2,632	10,742
Sound recording industries	<1	569	2,592	6,128
Radio and television broadcasting	<1	5,899	8,199	27,056
Cable and other subscription programming	<1	60	518	1,697
Wired telecommunications carriers	<1	10,357	26,093	44,934
Wireless telecommunications carriers (except satellite)	<1	2,077	15,345	32,510

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	2,275	3,679	8,246
Data processing, hosting, and related services	<1	11,200	20,024	50,146
News syndicates, libraries, archives and all other information services	<1	1,812	2,909	6,123
Internet publishing and broadcasting and web search portals	<1	3,077	6,609	29,343
Nondepository credit intermediation and related activities	<1	13,148	16,122	26,102
Securities and commodity contracts intermediation and brokerage	<1	37,240	31,629	63,950
Monetary authorities and depository credit intermediation	<1	73,013	178,188	282,740
Other financial investment activities	<1	20,115	24,907	61,984
Direct life insurance carriers	<1	13,048	21,109	30,080
Insurance carriers, except direct life	<1	35,551	85,468	172,096
Insurance agencies, brokerages, and related activities	<1	21,302	30,335	68,301
Funds, trusts, and other financial vehicles	<1	6,746	9,255	31,596
Other real estate	3	62,380	199,399	518,141
Tenant-occupied housing	<1	4,313	57,579	66,291
Owner-occupied dwellings	0	0	199,576	253,353
Automotive equipment rental and leasing	<1	2,449	6,338	9,507
General and consumer goods rental except video tapes and discs	<1	4,577	6,715	10,736
Video tape and disc rental	<1	1,019	1,696	2,615
Commercial and industrial machinery and equipment rental and leasing	<1	3,037	6,525	9,720
Lessors of nonfinancial intangible assets	<1	-4,518	10,890	14,805
Legal services	<1	72,670	112,264	152,669
Accounting, tax preparation, bookkeeping, and payroll services	<1	22,419	28,516	41,133
Architectural, engineering, and related services	<1	36,558	39,402	67,647
Specialized design services	<1	1,913	2,857	4,366
Custom computer programming services	<1	10,664	11,596	16,035

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Computer systems design services	<1	14,972	14,397	18,296
Other computer related services, including facilities management	<1	8,507	13,764	22,473
Management consulting services	<1	91,474	94,640	139,969
Environmental and other technical consulting services	<1	8,759	9,162	13,522
Scientific research and development services	12	1,061,126	1,450,390	2,787,064
Advertising, public relations, and related services	<1	31,036	40,773	69,844
Photographic services	<1	704	1,575	2,888
Veterinary services	<1	2,885	3,473	5,479
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	23,429	40,580	74,563
Management of companies and enterprises	<1	142,123	160,771	249,408
Office administrative services	<1	11,587	3,016	8,850
Facilities support services	<1	540	743	1,721
Employment services	2	79,567	106,093	159,393
Business support services	<1	13,885	10,893	18,149
Travel arrangement and reservation services	<1	3,469	4,288	9,448
Investigation and security services	<1	6,100	5,954	8,700
Services to buildings	<1	12,555	16,467	30,899
Landscape and horticultural services	<1	9,157	10,975	18,926
Other support services	<1	6,444	7,928	15,405
Waste management and remediation services	<1	6,429	11,446	19,924
Elementary and secondary schools	<1	9,858	8,539	10,150
Junior colleges, colleges, universities, and professional schools	12	419,497	580,386	823,866
Other educational services	<1	8,040	9,049	17,921
Offices of physicians	<1	81,402	85,782	115,791
Offices of dentists	<1	12,845	16,951	23,204
Offices of other health practitioners	<1	9,910	15,516	20,544
Outpatient care centers	<1	12,338	11,377	17,919
Medical and diagnostic laboratories	<1	2,242	3,486	4,828
Home health care services	<1	11,864	11,447	15,566
Other ambulatory health care services	<1	5,215	5,951	8,956

Appendix

Hospitals	1	103,995	121,551	229,836
Nursing and community care facilities	<1	16,693	19,944	34,860
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,174	8,056	12,830
Individual and family services	<1	23,045	19,547	29,215
Child day care services	<1	6,494	8,975	12,227
Community food, housing, and other relief services, including rehabilitation services	<1	5,697	5,579	12,639
Performing arts companies	<1	2,339	3,775	6,627
Commercial Sports Except Racing	<1	10,768	8,586	13,447
Racing and Track Operation	<1	657	1,645	2,529
Independent artists, writers, and performers	<1	1,008	4,507	6,070
Promoters of performing arts and sports and agents for public figures	<1	1,825	4,146	8,242
Museums, historical sites, zoos, and parks	<1	1,182	1,579	2,702
Amusement parks and arcades	<1	580	1,927	2,508
Gambling industries (except casino hotels)	<1	2,429	5,043	9,045
Other amusement and recreation industries	<1	3,168	4,599	8,843
Fitness and recreational sports centers	<1	2,569	4,187	7,264
Bowling centers	<1	548	1,007	1,838
Hotels and motels, including casino hotels	<1	3,501	7,280	11,828
Other accommodations	<1	1,033	1,521	2,152
Full-service restaurants	1	26,442	38,978	68,637
Limited-service restaurants	<1	17,461	28,770	64,126
All other food and drinking places	<1	18,121	25,718	40,292
Automotive repair and maintenance, except car washes	<1	20,844	22,388	34,107
Car washes	<1	9,064	13,945	21,222
Electronic and precision equipment repair and maintenance	<1	23,904	31,069	47,438
Commercial and industrial machinery and equipment repair and maintenance	<1	8,341	9,190	13,324
Personal and household goods repair and maintenance	<1	2,843	5,373	7,730
Personal care services	<1	9,861	8,367	10,983
Death care services	<1	1,705	944	1,408

Appendix

Dry-cleaning and laundry services	<1	5,225	2,641	3,671
Other personal services	<1	4,933	6,041	8,656
Religious organizations	<1	28,709	13,011	49,329
Grantmaking, giving, and social advocacy organizations	<1	5,718	17,780	27,432
Business and professional associations	<1	4,899	8,371	14,484
Labor and civic organizations	<1	3,925	11,041	22,174
Private households	<1	2,115	2,115	2,115
Postal service	<1	11,465	11,470	12,225
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	234	-1,288	96
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	19	22	41
Local government passenger transit	<1	4,091	-3,320	3,033
Local government electric utilities	<1	989	2,656	6,035
Other local government enterprises	<1	14,123	26,414	69,331
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	77,588	260,303	595,502

Mississippi

NASA

Table 697: Detailed NASA Impacts by Types of Impact, Mississippi

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>5,187</i>	<i>265,676,434</i>	<i>395,300,395</i>	<i>864,759,458</i>
Oilseed farming	3	575,037	966,198	1,346,246
Grain farming	3	202,733	-103,790	706,427
Vegetable and melon farming	3	88,791	123,846	269,384
Fruit farming	<1	17,345	25,294	44,150
Tree nut farming	<1	8,141	12,756	23,781
Greenhouse, nursery, and floriculture production	<1	27,695	34,924	79,616
Tobacco farming	0	0	0	0
Cotton farming	1	46,170	57,654	129,018
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	13	72,730	76,369	195,837
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	53,044	74,258	173,396
Dairy cattle and milk production	<1	5,950	8,331	40,424
Poultry and egg production	3	72,174	90,618	1,479,913
Animal production, except cattle and poultry and eggs	8	340,736	485,703	683,511
Forestry, forest products, and timber tract production	<1	21,516	19,041	25,097
Commercial logging	4	276,080	238,439	380,043
Commercial fishing	<1	25,484	44,060	48,661
Commercial hunting and trapping	<1	3,439	8,087	10,099
Support activities for agriculture and forestry	6	227,177	199,053	247,863
Oil and gas extraction	7	388,932	444,073	3,287,202
Coal mining	1	74,794	213,077	483,077
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,191	4,483	11,157
Sand and gravel mining	<1	39,065	88,963	204,173

Appendix

Other clay, ceramic, refractory minerals mining	<1	7,079	14,719	32,584
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	360	745	1,922
Drilling oil and gas wells	<1	86	115	390
Support activities for oil and gas operations	<1	5,821	6,999	19,779
Metal mining services	<1	2,146	2,705	24,506
Other nonmetallic minerals services	<1	684	871	6,829
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	8	1,008,512	3,959,931	10,659,387
Electric power generation - Nuclear	2	339,289	758,110	1,683,050
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	22	2,428,247	9,096,818	25,415,524
Natural gas distribution	1	115,599	341,896	851,302
Water, sewage and other systems	5	224,042	493,517	1,193,706
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	117	5,854,285	6,453,140	16,367,022
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	16	729,480	997,217	2,897,513
Maintenance and repair construction of residential structures	7	307,256	429,562	1,209,662
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	281	388	1,114
Dog and cat food manufacturing	<1	4,633	15,799	57,410
Other animal food manufacturing	<1	26,166	48,632	401,160
Flour milling	0	0	0	0
Rice milling	<1	2,961	5,240	29,962
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	4,805	30,838	293,637
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	455	760	3,451
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	240	375	4,018
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	18,527	27,805	140,420
Canned fruits and vegetables manufacturing	<1	182	414	1,899
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	86	174	823
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	17,432	30,654	202,262
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,823	2,724	13,040
Frozen cakes and other pastries manufacturing	<1	14,661	22,642	43,517

Appendix

Poultry processing	9	417,519	548,921	2,684,542
Animal, except poultry, slaughtering	<1	5,235	7,123	83,907
Meat processed from carcasses	<1	40,989	41,542	390,589
Rendering and meat byproduct processing	<1	7,820	7,675	39,494
Seafood product preparation and packaging	1	47,198	65,068	435,884
Bread and bakery product, except frozen, manufacturing	1	40,876	62,360	172,877
Cookie and cracker manufacturing	<1	13,982	21,973	78,049
Dry pasta, mixes, and dough manufacturing	<1	2,655	6,667	25,134
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	6,231	11,708	54,849
Other snack food manufacturing	<1	7,706	16,424	79,889
Coffee and tea manufacturing	<1	102	220	2,256
Flavoring syrup and concentrate manufacturing	<1	1,731	15,754	33,688
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	7,781	14,170	61,886
All other food manufacturing	<1	5,648	9,018	43,798
Bottled and canned soft drinks & water	<1	29,869	55,676	277,107
Manufactured ice	<1	6,105	4,054	18,080
Breweries	<1	1,381	3,936	12,893
Wineries	<1	1,024	1,893	7,632
Distilleries	<1	949	8,224	19,337
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	539	1,400	6,653
Broadwoven fabric mills	<1	5,598	17,108	36,406
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	28,142	105,333	208,947
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	688	1,352	4,401
Fabric coating mills	<1	6,000	13,014	59,044
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2,932	5,650	14,977
Textile bag and canvas mills	<1	236	390	1,108
Rope, cordage, twine, tire cord and tire fabric mills	<1	140	379	748
Other textile product mills	<1	14,607	24,209	65,078
Hosiery and sock mills	<1	816	1,155	2,629

Appendix

Other apparel knitting mills	<1	572	804	1,839
Cut and sew apparel contractors	<1	1,088	1,241	3,420
Mens and boys cut and sew apparel manufacturing	<1	6,536	8,546	21,852
Womens and girls cut and sew apparel manufacturing	<1	507	915	2,649
Other cut and sew apparel manufacturing	<1	891	1,430	3,813
Apparel accessories and other apparel manufacturing	<1	3,052	4,694	11,025
Leather and hide tanning and finishing	<1	653	1,302	6,385
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	426	475	1,713
Sawmills	3	167,804	317,928	954,963
Wood preservation	<1	11,433	42,535	127,679
Veneer and plywood manufacturing	2	126,228	237,282	667,972
Engineered wood member and truss manufacturing	<1	9,260	16,839	58,109
Reconstituted wood product manufacturing	1	60,273	189,240	578,689
Wood windows and door manufacturing	<1	5,667	9,141	27,938
Cut stock, resawing lumber, and planing	<1	29,871	66,616	171,412
Other millwork, including flooring	<1	10,462	20,399	55,023
Wood container and pallet manufacturing	<1	50,637	79,351	195,856
Manufactured home (mobile home) manufacturing	<1	152	213	668
Prefabricated wood building manufacturing	<1	21,462	34,211	110,078
All other miscellaneous wood product manufacturing	3	167,605	286,762	726,890
Pulp mills	<1	12,828	20,307	58,105
Paper mills	1	110,917	253,316	1,031,599
Paperboard mills	<1	9,649	23,054	60,941
Paperboard container manufacturing	2	152,759	239,816	943,436
Paper bag and coated and treated paper manufacturing	<1	7,384	14,098	53,082
Stationery product manufacturing	<1	7,384	11,604	53,798
Sanitary paper product manufacturing	<1	18,927	60,228	248,788
All other converted paper product manufacturing	<1	534	832	4,598

Appendix

Printing	5	162,140	409,895	827,715
Support activities for printing	<1	1,699	3,975	6,362
Petroleum refineries	2	446,911	2,639,087	13,654,365
Asphalt paving mixture and block manufacturing	<1	23,837	35,267	162,953
Asphalt shingle and coating materials manufacturing	<1	11,694	37,629	100,790
Petroleum lubricating oil and grease manufacturing	13	1,569,085	4,197,578	14,685,731
All other petroleum and coal products manufacturing	<1	5,755	19,980	56,434
Petrochemical manufacturing	1	211,114	889,371	7,556,224
Industrial gas manufacturing	2	205,215	285,616	1,565,816
Synthetic dye and pigment manufacturing	<1	19,312	26,292	127,683
Other basic inorganic chemical manufacturing	<1	11,499	17,104	86,062
Other basic organic chemical manufacturing	<1	7,243	10,787	152,952
Plastics material and resin manufacturing	<1	50,805	65,240	619,928
Synthetic rubber manufacturing	<1	2,740	3,365	21,627
Artificial and synthetic fibers and filaments manufacturing	<1	188	243	2,598
Nitrogenous fertilizer manufacturing	<1	10,266	16,307	85,793
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	29,404	54,408	389,084
Medicinal and botanical manufacturing	<1	20	23	134
Pharmaceutical preparation manufacturing	<1	16,543	34,128	214,749
In-vitro diagnostic substance manufacturing	<1	92	108	517
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	11,832	16,017	95,649
Adhesive manufacturing	<1	1,361	1,641	8,980
Soap and other detergent manufacturing	<1	9,552	18,452	150,719
Polish and other sanitation good manufacturing	<1	3,226	3,993	27,041
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	5,716	10,521	59,478
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	3	297,409	408,444	1,731,059
Photographic film and chemical manufacturing	<1	12,513	18,425	85,188
Other miscellaneous chemical product manufacturing	<1	8,770	11,001	63,120
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	17,172	35,680	124,831
Unlaminated plastics profile shape manufacturing	<1	1,268	3,742	9,441
Plastics pipe and pipe fitting manufacturing	<1	3,347	12,625	32,830
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	675	1,621	3,925
Polystyrene foam product manufacturing	<1	11,096	24,033	88,709
Urethane and other foam product (except polystyrene) manufacturing	<1	31,883	65,586	279,619
Plastics bottle manufacturing	<1	3,138	6,195	21,897
Other plastics product manufacturing	1	50,187	88,818	285,562
Tire manufacturing	2	111,209	204,074	745,057
Rubber and plastics hoses and belting manufacturing	<1	700	1,242	2,881
Other rubber product manufacturing	<1	5,470	9,229	30,871
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,247	3,741	11,785
Brick, tile, and other structural clay product manufacturing	<1	17,914	36,859	87,551
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	4,117	8,559	18,428
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	6,225	12,549	33,866
Cement manufacturing	<1	1,109	3,385	9,261
Ready-mix concrete manufacturing	2	115,123	231,083	723,306
Concrete block and brick manufacturing	<1	29,717	64,490	158,039
Concrete pipe manufacturing	<1	27,131	54,345	148,025
Other concrete product manufacturing	2	116,317	182,621	430,345
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	11,631	14,805	33,376
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	18,806	54,538	110,826
Miscellaneous nonmetallic mineral products manufacturing	<1	2,641	9,375	18,077
Iron and steel mills and ferroalloy manufacturing	<1	59,169	134,040	637,955
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,403	9,188	42,958
Rolled steel shape manufacturing	<1	2,779	8,293	53,844
Steel wire drawing	<1	579	1,008	4,862
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,457	4,136	26,825
Other aluminum rolling, drawing and extruding	<1	368	647	5,266
Nonferrous metal (exc aluminum) smelting and refining	<1	1,338	8,991	32,997
Copper rolling, drawing, extruding and alloying	<1	12,906	25,129	257,878
Nonferrous metal, except copper and aluminum, shaping	<1	1,598	2,231	11,546
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	5,681	10,496	30,881
Nonferrous metal foundries	<1	394	688	2,102
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	5,275	6,112	23,727
Iron and steel forging	<1	756	1,047	7,001
Nonferrous forging	<1	2,426	3,049	13,024
Cutlery, utensil, pot, and pan manufacturing	<1	1,226	2,280	8,679
Handtool manufacturing	<1	376	523	1,742
Prefabricated metal buildings and components manufacturing	<1	41,629	50,716	200,280
Fabricated structural metal manufacturing	6	434,085	551,242	2,058,539
Plate work manufacturing	<1	17,366	18,436	65,306
Metal window and door manufacturing	<1	37,801	45,451	132,811
Sheet metal work manufacturing	<1	9,935	11,799	39,067

Appendix

Ornamental and architectural metal work manufacturing	<1	12,311	14,303	43,358
Power boiler and heat exchanger manufacturing	<1	100	129	354
Metal tank (heavy gauge) manufacturing	<1	18,701	21,578	65,856
Metal cans manufacturing	<1	2,914	5,244	27,541
Metal barrels, drums and pails manufacturing	<1	14,033	16,017	62,069
Hardware manufacturing	<1	11,377	15,299	66,465
Spring and wire product manufacturing	<1	4,265	5,181	18,581
Machine shops	<1	41,796	47,281	108,854
Turned product and screw, nut, and bolt manufacturing	<1	2,006	2,559	9,290
Metal heat treating	<1	3,537	4,468	13,763
Metal coating and nonprecious engraving	<1	21,443	30,499	74,252
Electroplating, anodizing, and coloring metal	<1	3,603	3,896	8,534
Valve and fittings, other than plumbing, manufacturing	1	108,468	146,396	459,559
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	2,188	3,233	9,881
Small arms ammunition manufacturing	2	177,676	303,702	759,974
Ammunition, except for small arms, manufacturing	<1	185	213	611
Small arms, ordnance, and accessories manufacturing	<1	987	1,476	3,912
Fabricated pipe and pipe fitting manufacturing	<1	4,153	4,691	14,171
Other fabricated metal manufacturing	<1	4,894	5,766	21,600
Farm machinery and equipment manufacturing	<1	1,131	1,959	9,836
Lawn and garden equipment manufacturing	<1	5,217	9,601	58,153
Construction machinery manufacturing	<1	2,695	6,180	20,027
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	2,083	3,549	12,818
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	23	26	84

Appendix

Sawmill, woodworking, and paper machinery	<1	538	609	2,041
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	22	30	84
Optical instrument and lens manufacturing	<1	32	46	128
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	6,385	11,052	41,640
Air purification and ventilation equipment manufacturing	<1	148	208	685
Heating equipment (except warm air furnaces) manufacturing	<1	484	756	2,760
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	38,279	71,891	259,620
Industrial mold manufacturing	<1	1,230	1,453	3,739
Special tool, die, jig, and fixture manufacturing	<1	1,227	1,643	3,943
Cutting tool and machine tool accessory manufacturing	<1	282	322	903
Machine tool manufacturing	<1	293	378	1,354
Rolling mill and other metalworking machinery manufacturing	<1	410	497	1,405
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	892	1,370	3,920
Mechanical power transmission equipment manufacturing	<1	1,101	1,795	4,268
Other engine equipment manufacturing	<1	19,493	43,102	238,282
Pump and pumping equipment manufacturing	<1	226	421	1,862
Air and gas compressor manufacturing	0	-4,367	-8,919	-36,781
Elevator and moving stairway manufacturing	<1	551	803	3,226
Conveyor and conveying equipment manufacturing	<1	2,553	2,893	7,943
Overhead cranes, hoists, and monorail systems manufacturing	<1	10,716	16,733	74,691
Industrial truck, trailer, and stacker manufacturing	<1	4,843	8,000	24,653

Appendix

Power-driven handtool manufacturing	<1	3,726	10,075	34,841
Welding and soldering equipment manufacturing	<1	61	90	358
Packaging machinery manufacturing	<1	45	68	211
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	4,852	7,028	24,522
Fluid power pump and motor manufacturing	<1	12,570	20,579	72,685
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	627	786	2,886
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	567	620	3,460
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	90	98	774
Other communications equipment manufacturing	<1	881	844	4,625
Audio and video equipment manufacturing	<1	83	96	1,009
Printed circuit assembly (electronic assembly) manufacturing	<1	1,387	1,301	10,541
Bare printed circuit board manufacturing	<1	277	277	1,017
Semiconductor and related device manufacturing	<1	422	477	5,774
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	443	464	1,781
Electronic connector manufacturing	<1	1,310	1,315	5,558
Other electronic component manufacturing	<1	618	627	2,512
Electromedical and electrotherapeutic apparatus manufacturing	<1	114	110	431
Search, detection, and navigation instruments manufacturing	<1	4,726	4,381	14,197
Automatic environmental control manufacturing	0	0	0	0

Appendix

Industrial process variable instruments manufacturing	<1	196	192	546
Totalizing fluid meter and counting device manufacturing	<1	547	490	2,453
Electricity and signal testing instruments manufacturing	<1	12	13	104
Analytical laboratory instrument manufacturing	<1	62	61	224
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	42,864	68,283	203,149
Small electrical appliance manufacturing	<1	734	1,794	6,065
Household cooking appliance manufacturing	<1	2,971	7,507	25,215
Household refrigerator and home freezer manufacturing	<1	2,434	6,382	20,614
Household laundry equipment manufacturing	<1	3,948	7,666	33,893
Other major household appliance manufacturing	<1	861	2,387	7,187
Power, distribution, and specialty transformer manufacturing	<1	69,553	111,313	340,474
Motor and generator manufacturing	<1	3,324	6,266	18,137
Switchgear and switchboard apparatus manufacturing	<1	93,589	172,691	440,984
Relay and industrial control manufacturing	<1	1,385	2,015	5,234
Storage battery manufacturing	<1	3,473	5,306	17,119
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1,076	1,781	7,185
Wiring device manufacturing	<1	3,427	7,213	21,359
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	61,513	166,638	813,631

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Light truck and utility vehicle manufacturing	<1	36,327	56,683	804,040
Heavy duty truck manufacturing	<1	180	379	3,972
Motor vehicle body manufacturing	<1	3,698	4,588	20,149
Truck trailer manufacturing	<1	71	81	429
Motor home manufacturing	<1	31,581	41,685	195,407
Travel trailer and camper manufacturing	<1	17,480	18,946	104,468
Motor vehicle gasoline engine and engine parts manufacturing	<1	23,072	31,055	179,858
Motor vehicle electrical and electronic equipment manufacturing	<1	36,773	43,150	288,059
Motor vehicle transmission and power train parts manufacturing	<1	21,156	29,400	142,340
Motor vehicle seating and interior trim manufacturing	<1	19,180	21,108	133,129
Motor vehicle metal stamping	<1	15,377	17,735	74,112
Other motor vehicle parts manufacturing	1	97,014	118,500	625,757
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	20,128	29,048	135,368
Aircraft manufacturing	<1	63	129	514
Aircraft engine and engine parts manufacturing	<1	304	643	1,787
Other aircraft parts and auxiliary equipment manufacturing	<1	5,872	8,218	21,341
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	92	142	330
Railroad rolling stock manufacturing	<1	42	52	346
Ship building and repairing	<1	11,120	13,363	33,070
Boat building	<1	9,067	12,124	44,302
Motorcycle, bicycle, and parts manufacturing	<1	89	263	1,151
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	9,228	13,568	33,175
Upholstered household furniture manufacturing	3	136,766	159,415	516,784

Appendix

Nonupholstered wood household furniture manufacturing	<1	4,739	5,816	16,848
Other household nonupholstered furniture manufacturing	<1	275	472	1,343
Institutional furniture manufacturing	<1	893	1,010	3,207
Wood office furniture manufacturing	<1	758	1,140	3,436
Custom architectural woodwork and millwork	<1	607	588	1,834
Office furniture, except wood, manufacturing	<1	6,502	12,255	34,461
Showcase, partition, shelving, and locker manufacturing	<1	4,824	7,640	26,399
Mattress manufacturing	<1	5,883	12,183	40,815
Blind and shade manufacturing	<1	410	439	1,589
Surgical and medical instrument manufacturing	<1	2,511	4,135	13,822
Surgical appliance and supplies manufacturing	<1	2,487	4,341	13,902
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	588	1,003	2,477
Dental laboratories	<1	1,285	1,331	2,839
Jewelry and silverware manufacturing	<1	4,276	7,675	26,217
Sporting and athletic goods manufacturing	<1	4,397	5,797	20,564
Doll, toy, and game manufacturing	<1	1,464	2,122	8,309
Office supplies (except paper) manufacturing	<1	7,903	10,829	51,673
Sign manufacturing	<1	21,313	18,867	58,328
Gasket, packing, and sealing device manufacturing	<1	221	264	792
Musical instrument manufacturing	<1	560	595	1,686
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	8,763	11,915	52,975
Burial casket manufacturing	<1	1,573	1,907	5,137
All other miscellaneous manufacturing	<1	3,654	4,706	17,173
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	129,512	272,252	646,460
Wholesale - Professional and commercial equipment and supplies	7	599,267	924,460	1,790,652

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Wholesale - Household appliances and electrical and electronic goods	5	371,770	824,978	2,139,689
Wholesale - Machinery, equipment, and supplies	6	472,564	867,967	1,609,961
Wholesale - Other durable goods merchant wholesalers	14	899,948	1,448,870	3,121,625
Wholesale - Drugs and druggists' sundries	3	407,507	1,055,008	1,999,434
Wholesale - Grocery and related product wholesalers	11	706,811	931,881	2,001,103
Wholesale - Petroleum and petroleum products	2	145,866	2,028,957	2,377,909
Wholesale - Other nondurable goods merchant wholesalers	11	666,938	1,419,419	2,945,425
Wholesale - Wholesale electronic markets and agents and brokers	5	473,484	490,801	593,011
Retail - Motor vehicle and parts dealers	16	777,702	1,353,117	2,016,739
Retail - Furniture and home furnishings stores	10	316,711	464,852	832,914
Retail - Electronics and appliance stores	8	371,619	420,624	726,481
Retail - Building material and garden equipment and supplies stores	19	737,811	1,506,363	2,236,594
Retail - Food and beverage stores	36	1,020,899	1,462,118	2,503,093
Retail - Health and personal care stores	21	950,702	1,218,779	1,857,186
Retail - Gasoline stores	14	443,599	792,927	1,483,322
Retail - Clothing and clothing accessories stores	24	478,810	914,589	2,036,111
Retail - Sporting goods, hobby, musical instrument and book stores	14	262,325	385,463	702,813
Retail - General merchandise stores	46	1,296,225	2,072,890	3,412,028
Retail - Miscellaneous store retailers	30	546,306	752,010	1,347,007
Retail - Nonstore retailers	23	306,086	1,276,503	3,238,464
Air transportation	3	202,082	318,545	860,187
Rail transportation	2	298,725	903,014	1,402,527
Water transportation	<1	77,709	107,576	432,359
Truck transportation	35	1,708,606	2,402,121	5,115,628
Transit and ground passenger transportation	26	377,167	504,222	785,043
Pipeline transportation	2	442,317	811,132	1,040,284
Scenic and sightseeing transportation and support activities for transportation	12	718,009	805,412	1,700,211

Appendix

Couriers and messengers	19	714,009	954,370	1,621,385
Warehousing and storage	27	1,203,589	1,371,286	2,574,824
Newspaper publishers	4	168,964	433,067	539,501
Periodical publishers	2	84,777	194,231	312,737
Book publishers	<1	11,336	61,980	95,286
Directory, mailing list, and other publishers	<1	18,005	86,567	112,234
Greeting card publishing	0	0	0	0
Software publishers	24	2,158,878	7,339,916	8,151,017
Motion picture and video industries	4	104,945	189,462	866,431
Sound recording industries	<1	12,891	66,228	154,817
Radio and television broadcasting	6	365,451	509,160	2,273,210
Cable and other subscription programming	<1	7,241	49,003	193,688
Wired telecommunications carriers	13	1,107,380	2,598,065	5,374,555
Wireless telecommunications carriers (except satellite)	4	294,312	1,889,199	6,170,638
Satellite, telecommunications resellers, and all other telecommunications	<1	24,964	40,388	107,285
Data processing, hosting, and related services	10	599,558	1,280,424	4,481,896
News syndicates, libraries, archives and all other information services	<1	17,892	26,253	67,570
Internet publishing and broadcasting and web search portals	<1	107,853	210,565	1,014,704
Nondepository credit intermediation and related activities	15	837,583	1,133,810	2,422,880
Securities and commodity contracts intermediation and brokerage	23	571,180	536,703	2,295,339
Monetary authorities and depository credit intermediation	60	4,390,984	13,110,991	23,293,312
Other financial investment activities	12	262,470	348,277	2,101,840
Direct life insurance carriers	6	352,264	966,792	1,479,341
Insurance carriers, except direct life	10	642,373	3,065,990	6,209,311
Insurance agencies, brokerages, and related activities	25	1,305,823	2,389,990	6,581,220
Funds, trusts, and other financial vehicles	9	235,543	325,143	2,541,461
Other real estate	107	1,314,510	6,560,272	19,109,255
Tenant-occupied housing	20	241,361	3,682,922	4,559,971

Appendix

Owner-occupied dwellings	0	0	16,456,883	20,891,289
Automotive equipment rental and leasing	7	332,196	1,124,948	1,622,226
General and consumer goods rental except video tapes and discs	6	266,905	423,440	732,164
Video tape and disc rental	1	44,718	81,270	133,756
Commercial and industrial machinery and equipment rental and leasing	12	1,009,444	2,729,746	3,911,394
Lessors of nonfinancial intangible assets	<1	12,503	481,815	597,838
Legal services	37	2,232,943	3,222,661	5,333,389
Accounting, tax preparation, bookkeeping, and payroll services	46	2,414,440	2,916,720	4,982,093
Architectural, engineering, and related services	39	2,374,964	2,536,003	5,161,501
Specialized design services	2	71,247	101,607	191,409
Custom computer programming services	16	1,041,549	1,131,357	1,766,537
Computer systems design services	26	1,675,907	1,351,251	2,039,780
Other computer related services, including facilities management	3	206,409	182,640	558,541
Management consulting services	1,011	62,186,489	63,989,400	119,727,022
Environmental and other technical consulting services	17	1,100,137	1,135,294	1,880,007
Scientific research and development services	22	1,278,130	1,647,657	4,009,536
Advertising, public relations, and related services	13	563,719	726,162	1,733,189
Photographic services	2	81,139	160,730	381,004
Veterinary services	3	108,952	125,796	218,547
Marketing research and all other miscellaneous professional, scientific, and technical services	94	6,175,600	9,608,545	20,273,712
Management of companies and enterprises	56	5,169,725	6,142,567	11,246,234
Office administrative services	19	775,561	179,080	926,999
Facilities support services	788	27,618,278	37,280,990	107,786,909
Employment services	360	9,258,155	12,384,553	23,122,802
Business support services	51	1,392,771	1,096,760	2,661,937
Travel arrangement and reservation services	3	87,826	107,206	370,268
Investigation and security services	54	1,189,554	1,149,272	2,120,674
Services to buildings	47	932,787	1,199,518	2,935,618
Landscape and horticultural services	24	637,255	753,065	1,630,184

Appendix

Other support services	17	493,077	598,341	1,575,785
Waste management and remediation services	12	697,171	1,201,121	2,423,570
Elementary and secondary schools	14	403,421	335,948	431,645
Junior colleges, colleges, universities, and professional schools	22	623,192	834,674	1,287,392
Other educational services	9	343,084	383,758	731,048
Offices of physicians	62	5,759,525	6,015,411	8,859,805
Offices of dentists	16	996,486	1,232,345	1,803,911
Offices of other health practitioners	18	980,572	1,394,279	1,883,045
Outpatient care centers	13	743,874	686,873	1,280,976
Medical and diagnostic laboratories	3	190,934	270,438	429,728
Home health care services	24	1,359,765	1,302,469	1,615,287
Other ambulatory health care services	6	329,365	364,970	618,970
Hospitals	63	4,130,391	4,868,816	10,435,008
Nursing and community care facilities	35	1,348,599	1,441,839	2,638,317
Residential mental retardation, mental health, substance abuse and other facilities	8	284,147	296,849	504,873
Individual and family services	45	1,057,033	883,680	1,460,437
Child day care services	17	380,876	491,177	736,300
Community food, housing, and other relief services, including rehabilitation services	10	223,199	219,975	648,584
Performing arts companies	7	60,154	104,138	316,304
Commercial Sports Except Racing	7	53,966	57,586	204,970
Racing and Track Operation	<1	9,334	14,993	36,123
Independent artists, writers, and performers	15	92,189	406,306	1,082,246
Promoters of performing arts and sports and agents for public figures	8	45,460	109,673	486,075
Museums, historical sites, zoos, and parks	1	33,625	42,747	86,110
Amusement parks and arcades	<1	8,579	25,708	40,267
Gambling industries (except casino hotels)	5	149,719	377,091	641,024
Other amusement and recreation industries	7	157,894	215,834	398,279
Fitness and recreational sports centers	7	128,695	196,033	356,881
Bowling centers	<1	16,818	28,853	52,262

Appendix

Hotels and motels, including casino hotels	10	293,458	563,377	947,174
Other accommodations	1	32,972	44,684	65,708
Full-service restaurants	115	2,238,528	3,465,391	6,607,176
Limited-service restaurants	89	1,431,148	2,492,719	6,124,408
All other food and drinking places	79	1,956,858	3,159,036	4,903,689
Automotive repair and maintenance, except car washes	29	1,183,574	1,609,714	2,479,488
Car washes	13	575,227	997,107	1,524,187
Electronic and precision equipment repair and maintenance	33	1,513,723	1,969,758	3,671,662
Commercial and industrial machinery and equipment repair and maintenance	20	1,001,245	978,183	1,718,216
Personal and household goods repair and maintenance	21	737,649	1,434,173	2,232,658
Personal care services	19	403,258	411,691	585,876
Death care services	4	84,251	76,599	115,363
Dry-cleaning and laundry services	10	217,277	190,525	266,722
Other personal services	11	252,577	338,293	528,174
Religious organizations	33	1,279,863	813,624	2,794,828
Grantmaking, giving, and social advocacy organizations	5	233,454	849,152	1,323,157
Business and professional associations	5	258,345	500,719	947,332
Labor and civic organizations	3	93,859	299,702	508,111
Private households	16	195,744	195,714	195,714
Postal service	17	1,326,503	1,326,874	1,425,081
Federal electric utilities	<1	130,804	225,896	847,300
Other federal government enterprises	12	393,341	-160,498	1,253,063
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	2	258,334	322,576	558,795
Local government passenger transit	2	149,138	-52,291	173,071
Local government electric utilities	2	163,254	474,144	1,106,043
Other local government enterprises	16	841,378	1,897,771	4,434,382
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	261	42,541,118	55,596,737	127,190,220

Moon to Mars Campaign

Table 698: Detailed M2M Campaign Impacts by Types of Impact, Mississippi

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,201</i>	<i>62,373,189</i>	<i>94,925,058</i>	<i>208,006,123</i>
Oilseed farming	1	163,063	395,202	626,046
Grain farming	<1	37,664	-20,623	132,983
Vegetable and melon farming	<1	18,873	26,974	58,579
Fruit farming	<1	4,080	6,037	10,585
Tree nut farming	<1	2,422	3,807	7,017
Greenhouse, nursery, and floriculture production	<1	5,575	7,150	16,148
Tobacco farming	0	0	0	0
Cotton farming	<1	7,600	9,831	21,593
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	12,760	13,825	35,203
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	11,374	14,203	30,790
Dairy cattle and milk production	<1	1,454	1,922	8,849
Poultry and egg production	<1	13,466	18,533	272,485
Animal production, except cattle and poultry and eggs	2	53,830	87,659	124,469
Forestry, forest products, and timber tract production	<1	8,310	7,348	9,476
Commercial logging	<1	46,116	40,344	62,207
Commercial fishing	<1	6,013	9,109	10,114
Commercial hunting and trapping	<1	1,146	1,758	2,118
Support activities for agriculture and forestry	1	44,986	39,368	49,002
Oil and gas extraction	2	86,167	124,833	905,613

Appendix

Coal mining	<1	8,342	21,985	51,473
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	188	590	1,503
Sand and gravel mining	<1	4,741	9,743	21,931
Other clay, ceramic, refractory minerals mining	<1	1,146	2,274	5,154
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	72	143	365
Drilling oil and gas wells	<1	18	26	88
Support activities for oil and gas operations	<1	1,077	1,367	3,862
Metal mining services	<1	362	526	4,802
Other nonmetallic minerals services	<1	63	99	764
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	146,249	546,962	1,366,554
Electric power generation - Nuclear	<1	42,551	95,441	201,488
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	2	288,477	1,069,881	2,849,788
Natural gas distribution	<1	31,118	95,154	225,688
Water, sewage and other systems	1	68,321	135,714	300,105
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3	142,067	155,073	400,148
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	186,106	256,914	729,437
Maintenance and repair construction of residential structures	2	69,060	97,041	268,574
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	61	84	239
Dog and cat food manufacturing	<1	840	3,008	10,606
Other animal food manufacturing	<1	5,476	10,633	84,071
Flour milling	0	0	0	0
Rice milling	<1	722	1,247	7,231
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	2,489	16,369	149,636
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	116	194	844
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	52	82	822
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	4,100	6,193	30,931
Canned fruits and vegetables manufacturing	<1	51	118	524

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	23	46	213
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	3,821	6,902	44,983
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	406	625	2,779
Frozen cakes and other pastries manufacturing	<1	3,377	5,196	9,888
Poultry processing	2	76,044	103,543	490,687
Animal, except poultry, slaughtering	<1	988	1,365	15,846
Meat processed from carcasses	<1	8,953	9,193	85,540
Rendering and meat byproduct processing	<1	3,410	3,380	16,872
Seafood product preparation and packaging	<1	9,448	13,519	88,102
Bread and bakery product, except frozen, manufacturing	<1	9,104	13,963	38,363
Cookie and cracker manufacturing	<1	3,489	5,806	18,895
Dry pasta, mixes, and dough manufacturing	<1	557	1,414	5,521
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	1,501	2,950	12,942
Other snack food manufacturing	<1	1,722	3,741	17,727
Coffee and tea manufacturing	<1	21	47	470
Flavoring syrup and concentrate manufacturing	<1	470	4,214	8,970
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	2,333	4,425	17,977
All other food manufacturing	<1	1,393	2,233	10,504
Bottled and canned soft drinks & water	<1	6,258	11,992	58,023
Manufactured ice	<1	1,338	950	3,823
Breweries	<1	297	890	2,844
Wineries	<1	297	557	2,153
Distilleries	<1	221	1,973	4,422
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	100	285	1,224
Broadwoven fabric mills	<1	1,199	4,063	8,099
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	9,340	37,178	67,696
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	218	428	1,348
Fabric coating mills	<1	1,434	3,066	13,308
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	728	1,442	3,680
Textile bag and canvas mills	<1	51	86	237
Rope, cordage, twine, tire cord and tire fabric mills	<1	21	59	112
Other textile product mills	<1	3,286	5,531	14,257
Hosiery and sock mills	<1	167	248	506
Other apparel knitting mills	<1	158	218	480
Cut and sew apparel contractors	<1	305	346	928
Mens and boys cut and sew apparel manufacturing	<1	2,006	2,639	6,219
Womens and girls cut and sew apparel manufacturing	<1	160	289	804
Other cut and sew apparel manufacturing	<1	300	479	1,213
Apparel accessories and other apparel manufacturing	<1	831	1,282	2,800
Leather and hide tanning and finishing	<1	221	440	2,042
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	119	132	461
Sawmills	<1	20,825	38,978	118,780
Wood preservation	<1	1,153	4,200	13,098
Veneer and plywood manufacturing	<1	22,169	40,679	116,357
Engineered wood member and truss manufacturing	<1	2,178	3,801	13,369
Reconstituted wood product manufacturing	<1	12,219	36,020	109,567
Wood windows and door manufacturing	<1	760	1,235	3,732
Cut stock, resawing lumber, and planing	<1	5,358	11,766	30,370
Other millwork, including flooring	<1	1,387	2,709	7,087
Wood container and pallet manufacturing	<1	14,184	22,251	54,088
Manufactured home (mobile home) manufacturing	<1	9	13	45
Prefabricated wood building manufacturing	<1	1,240	1,905	6,218
All other miscellaneous wood product manufacturing	<1	47,824	82,291	204,913
Pulp mills	<1	2,005	3,081	9,138

Appendix

Paper mills	<1	21,037	44,540	193,864
Paperboard mills	<1	2,376	5,393	15,017
Paperboard container manufacturing	<1	53,278	82,586	322,016
Paper bag and coated and treated paper manufacturing	<1	1,849	3,351	12,846
Stationery product manufacturing	<1	1,942	2,988	13,484
Sanitary paper product manufacturing	<1	4,328	12,769	55,557
All other converted paper product manufacturing	<1	108	166	956
Printing	1	44,068	114,041	217,150
Support activities for printing	<1	945	2,213	3,472
Petroleum refineries	<1	137,960	795,006	4,061,916
Asphalt paving mixture and block manufacturing	<1	2,984	4,475	19,960
Asphalt shingle and coating materials manufacturing	<1	1,584	5,225	13,512
Petroleum lubricating oil and grease manufacturing	9	1,272,249	3,341,450	10,702,188
All other petroleum and coal products manufacturing	<1	906	2,970	8,268
Petrochemical manufacturing	<1	134,248	601,450	4,760,951
Industrial gas manufacturing	<1	35,794	50,638	276,205
Synthetic dye and pigment manufacturing	<1	8,951	12,667	62,222
Other basic inorganic chemical manufacturing	<1	4,716	7,525	36,266
Other basic organic chemical manufacturing	<1	2,430	3,618	52,851
Plastics material and resin manufacturing	<1	16,038	20,856	199,354
Synthetic rubber manufacturing	<1	1,195	1,481	9,689
Artificial and synthetic fibers and filaments manufacturing	<1	100	126	1,352
Nitrogenous fertilizer manufacturing	<1	2,620	4,294	20,838
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	6,630	12,324	90,497
Medicinal and botanical manufacturing	<1	6	7	36
Pharmaceutical preparation manufacturing	<1	4,726	10,204	61,072
In-vitro diagnostic substance manufacturing	<1	38	45	214

Appendix

Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	2,781	3,924	23,066
Adhesive manufacturing	<1	703	893	4,579
Soap and other detergent manufacturing	<1	2,508	5,414	37,261
Polish and other sanitation good manufacturing	<1	888	1,151	7,248
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,543	2,990	16,184
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	2	193,897	301,931	1,165,150
Photographic film and chemical manufacturing	<1	3,014	4,651	20,658
Other miscellaneous chemical product manufacturing	<1	1,935	2,534	14,647
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,626	9,597	32,947
Unlaminated plastics profile shape manufacturing	<1	317	937	2,292
Plastics pipe and pipe fitting manufacturing	<1	502	1,895	4,925
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	152	365	884
Polystyrene foam product manufacturing	<1	2,704	5,860	21,817
Urethane and other foam product (except polystyrene) manufacturing	<1	6,472	13,363	56,567
Plastics bottle manufacturing	<1	2,103	4,152	14,304
Other plastics product manufacturing	<1	13,974	24,845	77,234
Tire manufacturing	<1	18,984	35,352	131,993
Rubber and plastics hoses and belting manufacturing	<1	128	226	528
Other rubber product manufacturing	<1	1,297	2,186	7,462
Pottery, ceramics, and plumbing fixture manufacturing	<1	220	353	1,175
Brick, tile, and other structural clay product manufacturing	<1	1,412	2,827	6,897
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	1,208	2,440	5,222
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	1,454	2,863	7,850
Cement manufacturing	<1	121	358	998
Ready-mix concrete manufacturing	<1	9,499	18,752	59,126
Concrete block and brick manufacturing	<1	2,202	4,583	11,667
Concrete pipe manufacturing	<1	1,008	1,975	5,602
Other concrete product manufacturing	<1	6,085	9,403	22,655
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,763	2,233	5,042
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	1,840	5,196	10,313
Miscellaneous nonmetallic mineral products manufacturing	<1	122	407	777
Iron and steel mills and ferroalloy manufacturing	<1	11,221	24,377	123,258
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,002	2,018	9,415
Rolled steel shape manufacturing	<1	442	1,277	8,948
Steel wire drawing	<1	106	187	899
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	365	985	6,877
Other aluminum rolling, drawing and extruding	<1	122	207	1,702
Nonferrous metal (exc aluminum) smelting and refining	<1	223	1,388	5,379
Copper rolling, drawing, extruding and alloying	<1	2,769	5,327	52,013
Nonferrous metal, except copper and aluminum, shaping	<1	358	486	2,624
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	983	1,808	5,467
Nonferrous metal foundries	<1	96	162	499
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	1,341	1,553	5,924
Iron and steel forging	<1	146	201	1,336

Appendix

Nonferrous forging	<1	508	634	2,621
Cutlery, utensil, pot, and pan manufacturing	<1	336	633	2,384
Handtool manufacturing	<1	113	157	508
Prefabricated metal buildings and components manufacturing	<1	1,854	2,075	8,828
Fabricated structural metal manufacturing	2	124,934	154,014	582,569
Plate work manufacturing	<1	4,052	4,304	15,194
Metal window and door manufacturing	<1	4,952	5,888	17,145
Sheet metal work manufacturing	<1	1,547	1,827	5,985
Ornamental and architectural metal work manufacturing	<1	1,984	2,263	6,870
Power boiler and heat exchanger manufacturing	<1	120	144	417
Metal tank (heavy gauge) manufacturing	<1	7,037	7,994	23,767
Metal cans manufacturing	<1	6,123	10,433	55,000
Metal barrels, drums and pails manufacturing	<1	10,222	11,707	43,927
Hardware manufacturing	<1	2,306	3,065	13,284
Spring and wire product manufacturing	<1	1,268	1,483	5,355
Machine shops	<1	11,052	12,482	28,506
Turned product and screw, nut, and bolt manufacturing	<1	683	856	3,059
Metal heat treating	<1	1,376	1,714	5,297
Metal coating and nonprecious engraving	<1	7,244	10,135	24,906
Electroplating, anodizing, and coloring metal	<1	1,225	1,319	2,885
Valve and fittings, other than plumbing, manufacturing	<1	376	509	1,636
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	659	953	2,815
Small arms ammunition manufacturing	<1	48,756	84,734	202,511
Ammunition, except for small arms, manufacturing	<1	56	64	183
Small arms, ordnance, and accessories manufacturing	<1	397	582	1,491
Fabricated pipe and pipe fitting manufacturing	<1	526	582	1,800
Other fabricated metal manufacturing	<1	997	1,175	4,331
Farm machinery and equipment manufacturing	<1	226	407	1,933

Appendix

Lawn and garden equipment manufacturing	<1	1,704	3,279	18,338
Construction machinery manufacturing	<1	299	745	2,253
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	407	704	2,532
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	6	8	24
Sawmill, woodworking, and paper machinery	<1	108	124	406
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	14	18	52
Optical instrument and lens manufacturing	<1	10	14	38
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	965	1,680	6,157
Air purification and ventilation equipment manufacturing	<1	30	43	142
Heating equipment (except warm air furnaces) manufacturing	<1	90	147	489
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,760	15,040	52,100
Industrial mold manufacturing	<1	291	349	883
Special tool, die, jig, and fixture manufacturing	<1	376	519	1,205
Cutting tool and machine tool accessory manufacturing	<1	85	98	272
Machine tool manufacturing	<1	101	134	481
Rolling mill and other metalworking machinery manufacturing	<1	95	117	324
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	265	421	1,116
Mechanical power transmission equipment manufacturing	<1	254	422	980
Other engine equipment manufacturing	<1	7,276	17,011	80,289

Appendix

Pump and pumping equipment manufacturing	<1	26	50	219
Air and gas compressor manufacturing	0	-5,800	-13,742	-64,841
Elevator and moving stairway manufacturing	<1	110	167	657
Conveyor and conveying equipment manufacturing	<1	550	630	1,713
Overhead cranes, hoists, and monorail systems manufacturing	<1	28	57	221
Industrial truck, trailer, and stacker manufacturing	<1	1,237	2,077	6,258
Power-driven handtool manufacturing	<1	1,694	4,621	14,836
Welding and soldering equipment manufacturing	<1	19	29	96
Packaging machinery manufacturing	<1	14	22	67
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	608	890	3,135
Fluid power pump and motor manufacturing	<1	3,540	5,889	20,311
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	161	205	727
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	167	183	994
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	33	36	277
Other communications equipment manufacturing	<1	299	282	1,580
Audio and video equipment manufacturing	<1	25	29	297
Printed circuit assembly (electronic assembly) manufacturing	<1	681	656	5,186
Bare printed circuit board manufacturing	<1	59	59	223
Semiconductor and related device manufacturing	<1	172	196	2,241

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	99	105	397
Electronic connector manufacturing	<1	166	166	710
Other electronic component manufacturing	<1	129	131	514
Electromedical and electrotherapeutic apparatus manufacturing	<1	32	31	118
Search, detection, and navigation instruments manufacturing	<1	48,687	44,746	141,382
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	48	47	133
Totalizing fluid meter and counting device manufacturing	<1	127	113	567
Electricity and signal testing instruments manufacturing	<1	4	4	35
Analytical laboratory instrument manufacturing	<1	23	22	80
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	20,180	31,201	90,911
Small electrical appliance manufacturing	<1	184	476	1,540
Household cooking appliance manufacturing	<1	713	1,956	6,305
Household refrigerator and home freezer manufacturing	<1	567	1,630	5,042
Household laundry equipment manufacturing	<1	829	1,715	7,384
Other major household appliance manufacturing	<1	186	580	1,656
Power, distribution, and specialty transformer manufacturing	<1	30,531	49,489	146,030
Motor and generator manufacturing	<1	734	1,362	4,012
Switchgear and switchboard apparatus manufacturing	<1	39,339	73,853	182,540

Appendix

Relay and industrial control manufacturing	<1	576	853	2,143
Storage battery manufacturing	<1	1,107	1,642	5,193
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	463	763	3,011
Wiring device manufacturing	<1	1,011	2,160	6,067
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	11,845	31,443	151,846
Light truck and utility vehicle manufacturing	<1	5,970	9,703	134,150
Heavy duty truck manufacturing	<1	34	71	712
Motor vehicle body manufacturing	<1	680	846	3,789
Truck trailer manufacturing	<1	13	15	78
Motor home manufacturing	<1	5,388	7,176	32,196
Travel trailer and camper manufacturing	<1	3,159	3,436	18,868
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,314	6,949	41,730
Motor vehicle electrical and electronic equipment manufacturing	<1	8,212	9,530	58,883
Motor vehicle transmission and power train parts manufacturing	<1	8,716	11,926	51,221
Motor vehicle seating and interior trim manufacturing	<1	3,514	3,956	23,848
Motor vehicle metal stamping	<1	2,364	2,745	11,289
Other motor vehicle parts manufacturing	<1	22,252	24,943	143,133
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4,809	6,903	31,678
Aircraft manufacturing	<1	11	22	92
Aircraft engine and engine parts manufacturing	<1	306	507	1,650
Other aircraft parts and auxiliary equipment manufacturing	<1	250	321	794
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	639	843	2,246

Appendix

Railroad rolling stock manufacturing	<1	11	14	85
Ship building and repairing	<1	2,907	3,509	8,673
Boat building	<1	1,682	2,233	8,216
Motorcycle, bicycle, and parts manufacturing	<1	27	81	346
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	1,411	1,940	4,847
Upholstered household furniture manufacturing	<1	39,158	45,706	147,551
Nonupholstered wood household furniture manufacturing	<1	1,008	1,201	3,483
Other household nonupholstered furniture manufacturing	<1	71	119	335
Institutional furniture manufacturing	<1	149	165	526
Wood office furniture manufacturing	<1	27	39	118
Custom architectural woodwork and millwork	<1	93	89	272
Office furniture, except wood, manufacturing	<1	176	309	934
Showcase, partition, shelving, and locker manufacturing	<1	879	1,299	4,585
Mattress manufacturing	<1	1,335	2,594	8,920
Blind and shade manufacturing	<1	80	85	320
Surgical and medical instrument manufacturing	<1	620	1,018	3,241
Surgical appliance and supplies manufacturing	<1	713	1,272	3,891
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	150	263	628
Dental laboratories	<1	333	346	731
Jewelry and silverware manufacturing	<1	909	1,643	5,565
Sporting and athletic goods manufacturing	<1	956	1,260	4,269
Doll, toy, and game manufacturing	<1	347	532	1,984
Office supplies (except paper) manufacturing	<1	2,261	3,122	14,043
Sign manufacturing	<1	4,231	3,810	11,653
Gasket, packing, and sealing device manufacturing	<1	46	55	163

Appendix

Musical instrument manufacturing	<1	208	229	622
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	2,581	4,301	15,581
Burial casket manufacturing	<1	237	291	751
All other miscellaneous manufacturing	<1	765	1,000	3,600
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	33,679	71,612	169,423
Wholesale - Professional and commercial equipment and supplies	2	160,965	248,123	476,231
Wholesale - Household appliances and electrical and electronic goods	2	115,367	254,187	654,056
Wholesale - Machinery, equipment, and supplies	1	105,755	193,313	357,958
Wholesale - Other durable goods merchant wholesalers	3	200,789	322,349	691,987
Wholesale - Drugs and druggists' sundries	<1	92,599	239,926	446,529
Wholesale - Grocery and related product wholesalers	3	168,204	221,850	474,290
Wholesale - Petroleum and petroleum products	<1	35,785	617,680	707,585
Wholesale - Other nondurable goods merchant wholesalers	3	181,474	400,213	810,013
Wholesale - Wholesale electronic markets and agents and brokers	1	107,579	111,538	134,519
Retail - Motor vehicle and parts dealers	3	171,699	298,783	442,423
Retail - Furniture and home furnishings stores	2	70,079	102,875	182,568
Retail - Electronics and appliance stores	2	81,223	93,277	158,198
Retail - Building material and garden equipment and supplies stores	3	129,950	266,102	393,416
Retail - Food and beverage stores	8	236,283	336,484	568,801
Retail - Health and personal care stores	5	204,445	263,409	401,039
Retail - Gasoline stores	3	102,036	176,678	320,740
Retail - Clothing and clothing accessories stores	5	107,992	204,674	447,012
Retail - Sporting goods, hobby, musical instrument and book stores	3	57,048	84,019	151,247
Retail - General merchandise stores	10	274,051	440,621	724,608

Appendix

Retail - Miscellaneous store retailers	6	122,048	167,727	294,295
Retail - Nonstore retailers	5	67,134	296,906	741,495
Air transportation	<1	50,464	82,268	217,568
Rail transportation	<1	94,964	241,049	401,071
Water transportation	<1	21,304	29,913	115,120
Truck transportation	10	482,700	674,910	1,438,087
Transit and ground passenger transportation	7	107,643	143,021	213,803
Pipeline transportation	<1	70,066	141,748	186,052
Scenic and sightseeing transportation and support activities for transportation	3	167,509	188,695	401,886
Couriers and messengers	5	180,567	249,521	423,879
Warehousing and storage	7	301,611	344,459	643,882
Newspaper publishers	<1	40,010	102,787	126,081
Periodical publishers	<1	26,466	60,959	93,310
Book publishers	<1	2,917	15,834	24,118
Directory, mailing list, and other publishers	<1	3,124	15,480	19,883
Greeting card publishing	0	0	0	0
Software publishers	<1	62,236	214,241	238,696
Motion picture and video industries	<1	28,321	50,314	208,411
Sound recording industries	<1	3,509	18,450	40,582
Radio and television broadcasting	1	117,435	155,026	556,013
Cable and other subscription programming	<1	3,196	15,185	50,316
Wired telecommunications carriers	2	194,108	448,120	915,720
Wireless telecommunications carriers (except satellite)	<1	75,843	497,794	1,574,098
Satellite, telecommunications resellers, and all other telecommunications	<1	5,509	8,802	22,644
Data processing, hosting, and related services	1	91,665	193,434	611,805
News syndicates, libraries, archives and all other information services	<1	4,228	6,389	15,486
Internet publishing and broadcasting and web search portals	<1	36,232	70,646	269,391
Nondepository credit intermediation and related activities	3	210,610	285,368	587,791
Securities and commodity contracts intermediation and brokerage	5	147,412	135,907	530,708

Appendix

Monetary authorities and depository credit intermediation	12	903,265	2,698,249	4,736,591
Other financial investment activities	3	73,268	94,815	510,950
Direct life insurance carriers	1	70,002	200,637	298,945
Insurance carriers, except direct life	2	150,059	756,444	1,459,775
Insurance agencies, brokerages, and related activities	5	279,926	529,799	1,402,616
Funds, trusts, and other financial vehicles	2	59,912	84,981	568,134
Other real estate	25	363,016	1,745,820	4,762,084
Tenant-occupied housing	4	56,163	882,237	1,072,126
Owner-occupied dwellings	0	0	3,897,067	4,947,155
Automotive equipment rental and leasing	1	100,521	290,020	402,624
General and consumer goods rental except video tapes and discs	1	72,423	108,981	180,914
Video tape and disc rental	<1	9,811	17,647	28,937
Commercial and industrial machinery and equipment rental and leasing	3	295,613	732,664	1,037,933
Lessors of nonfinancial intangible assets	<1	3,350	131,593	162,225
Legal services	8	522,189	765,723	1,248,217
Accounting, tax preparation, bookkeeping, and payroll services	11	608,521	756,905	1,256,398
Architectural, engineering, and related services	5	311,841	337,671	678,072
Specialized design services	<1	16,071	23,919	43,412
Custom computer programming services	7	535,996	576,967	883,881
Computer systems design services	7	506,674	409,637	610,638
Other computer related services, including facilities management	1	65,649	57,474	171,809
Management consulting services	189	12,505,834	12,954,708	23,542,138
Environmental and other technical consulting services	5	297,220	310,735	508,323
Scientific research and development services	1	79,121	100,917	241,934
Advertising, public relations, and related services	3	147,189	193,614	441,336
Photographic services	<1	20,833	44,653	100,210
Veterinary services	<1	23,900	28,279	48,067
Marketing research and all other miscellaneous professional, scientific, and technical services	75	5,198,853	8,401,325	17,095,828

Appendix

Management of companies and enterprises	14	1,384,252	1,654,732	2,975,203
Office administrative services	6	267,290	66,642	314,674
Facilities support services	227	9,091,371	12,214,690	32,679,198
Employment services	93	2,653,222	3,622,124	6,471,540
Business support services	10	296,867	237,893	554,445
Travel arrangement and reservation services	<1	19,787	24,313	83,179
Investigation and security services	14	339,912	330,500	589,167
Services to buildings	12	261,067	341,830	799,789
Landscape and horticultural services	5	143,822	171,554	362,034
Other support services	4	122,621	150,146	384,318
Waste management and remediation services	3	175,937	302,972	604,053
Elementary and secondary schools	3	109,160	91,038	115,544
Junior colleges, colleges, universities, and professional schools	3	116,606	156,282	231,437
Other educational services	2	84,249	94,944	175,523
Offices of physicians	14	1,270,864	1,333,598	1,963,407
Offices of dentists	4	222,529	279,428	404,885
Offices of other health practitioners	4	213,647	310,702	415,952
Outpatient care centers	3	168,619	156,742	295,232
Medical and diagnostic laboratories	<1	40,144	58,029	91,062
Home health care services	6	302,364	290,955	363,405
Other ambulatory health care services	1	74,155	82,896	139,426
Hospitals	15	1,030,127	1,205,536	2,570,571
Nursing and community care facilities	8	310,891	332,676	597,152
Residential mental retardation, mental health, substance abuse and other facilities	2	72,142	75,520	126,441
Individual and family services	10	248,775	209,938	343,371
Child day care services	4	89,535	116,971	172,494
Community food, housing, and other relief services, including rehabilitation services	3	56,511	55,893	161,333
Performing arts companies	2	17,682	30,294	84,222
Commercial Sports Except Racing	2	14,396	14,955	51,951
Racing and Track Operation	<1	2,283	3,676	8,029
Independent artists, writers, and performers	4	25,864	105,724	274,625

Appendix

Promoters of performing arts and sports and agents for public figures	2	12,388	29,257	121,009
Museums, historical sites, zoos, and parks	<1	7,584	9,630	19,085
Amusement parks and arcades	<1	2,175	5,846	9,152
Gambling industries (except casino hotels)	1	35,370	86,813	145,668
Other amusement and recreation industries	1	36,199	47,781	86,703
Fitness and recreational sports centers	2	31,798	46,332	82,832
Bowling centers	<1	3,690	6,147	11,016
Hotels and motels, including casino hotels	3	84,099	158,721	263,299
Other accommodations	<1	10,185	13,727	19,906
Full-service restaurants	26	517,852	810,722	1,513,522
Limited-service restaurants	19	326,894	573,715	1,371,298
All other food and drinking places	19	503,424	814,223	1,234,881
Automotive repair and maintenance, except car washes	7	308,450	401,034	617,048
Car washes	3	141,241	242,860	368,854
Electronic and precision equipment repair and maintenance	2	74,210	97,462	177,574
Commercial and industrial machinery and equipment repair and maintenance	4	243,932	235,677	405,607
Personal and household goods repair and maintenance	6	220,271	413,701	639,843
Personal care services	4	95,071	93,834	133,892
Death care services	<1	21,774	17,188	26,773
Dry-cleaning and laundry services	2	54,519	41,408	60,061
Other personal services	3	62,775	83,109	128,712
Religious organizations	8	306,833	169,380	643,572
Grantmaking, giving, and social advocacy organizations	1	61,209	208,311	325,967
Business and professional associations	<1	61,200	112,658	210,729
Labor and civic organizations	<1	24,011	72,165	124,490
Private households	3	47,131	47,131	47,131
Postal service	4	299,466	299,599	321,287
Federal electric utilities	<1	11,416	20,083	74,906
Other federal government enterprises	<1	10,648	-4,624	27,614
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	35,533	44,314	71,757
Local government passenger transit	<1	34,319	-12,207	30,973
Local government electric utilities	<1	25,407	69,989	161,548
Other local government enterprises	4	206,043	440,786	1,023,367
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	37	6,155,127	7,914,446	18,106,102

Investments in Climate Change Research and Technology

Table 699: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Mississippi

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>315</i>	<i>14,498,141</i>	<i>20,623,491</i>	<i>46,173,854</i>
Oilseed farming	<1	25,332	34,522	45,062
Grain farming	<1	10,207	-4,601	37,185
Vegetable and melon farming	<1	4,382	6,190	13,609
Fruit farming	<1	794	1,188	2,087
Tree nut farming	<1	332	527	983
Greenhouse, nursery, and floriculture production	<1	1,469	1,886	4,402
Tobacco farming	0	0	0	0
Cotton farming	<1	5,174	6,539	14,639
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	6,536	6,858	18,166
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,608	4,489	11,138

Appendix

Dairy cattle and milk production	<1	261	390	1,957
Poultry and egg production	<1	4,771	5,774	102,506
Animal production, except cattle and poultry and eggs	<1	23,594	30,106	40,672
Forestry, forest products, and timber tract production	<1	1,300	1,158	1,566
Commercial logging	<1	59,562	51,676	84,099
Commercial fishing	<1	1,162	2,920	3,141
Commercial hunting and trapping	<1	189	559	654
Support activities for agriculture and forestry	<1	15,471	13,621	16,988
Oil and gas extraction	<1	23,789	27,213	210,192
Coal mining	<1	2,527	9,110	20,656
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	310	1,412	3,359
Sand and gravel mining	<1	12,642	30,870	70,302
Other clay, ceramic, refractory minerals mining	<1	1,319	3,012	6,266
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	45	103	268
Drilling oil and gas wells	<1	11	15	49
Support activities for oil and gas operations	<1	411	492	1,338
Metal mining services	<1	346	454	3,801
Other nonmetallic minerals services	<1	285	333	2,434
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	15,454	64,235	179,646
Electric power generation - Nuclear	<1	6,490	14,962	34,248
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	38,370	149,902	426,620
Natural gas distribution	<1	5,739	16,851	43,125
Water, sewage and other systems	<1	9,749	22,001	53,886
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	63	3,172,144	3,624,026	8,994,255
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	33,004	45,440	134,431
Maintenance and repair construction of residential structures	<1	15,894	22,216	63,919
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	15	21	61
Dog and cat food manufacturing	<1	234	787	2,958
Other animal food manufacturing	<1	1,455	2,645	22,713
Flour milling	0	0	0	0
Rice milling	<1	168	311	1,721
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	115	766	7,289
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	20	34	158
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	13	20	216
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	954	1,457	7,519
Canned fruits and vegetables manufacturing	<1	8	19	87
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	4	7	35
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	830	1,469	9,962
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	91	136	686
Frozen cakes and other pastries manufacturing	<1	752	1,165	2,280
Poultry processing	<1	30,268	39,028	194,791
Animal, except poultry, slaughtering	<1	306	417	4,959
Meat processed from carcasses	<1	2,079	2,099	20,208
Rendering and meat byproduct processing	<1	244	236	1,279
Seafood product preparation and packaging	<1	2,733	3,761	27,292
Bread and bakery product, except frozen, manufacturing	<1	2,082	3,201	8,962
Cookie and cracker manufacturing	<1	659	1,031	3,867
Dry pasta, mixes, and dough manufacturing	<1	121	311	1,149
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	296	550	2,660
Other snack food manufacturing	<1	409	909	4,344
Coffee and tea manufacturing	<1	5	11	116
Flavoring syrup and concentrate manufacturing	<1	87	838	1,739
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	364	664	2,962
All other food manufacturing	<1	253	408	2,037

Appendix

Bottled and canned soft drinks & water	<1	1,665	3,112	15,701
Manufactured ice	<1	326	215	1,015
Breweries	<1	68	191	628
Wineries	<1	43	80	332
Distilleries	<1	54	439	1,068
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	32	77	404
Broadwoven fabric mills	<1	369	1,054	2,390
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	1,469	5,584	11,407
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	27	53	176
Fabric coating mills	<1	649	1,423	6,780
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	149	284	797
Textile bag and canvas mills	<1	15	24	72
Rope, cordage, twine, tire cord and tire fabric mills	<1	13	35	72
Other textile product mills	<1	1,230	2,022	5,673
Hosiery and sock mills	<1	42	58	145
Other apparel knitting mills	<1	28	40	94
Cut and sew apparel contractors	<1	60	69	194
Mens and boys cut and sew apparel manufacturing	<1	284	369	1,007
Womens and girls cut and sew apparel manufacturing	<1	20	36	107
Other cut and sew apparel manufacturing	<1	38	62	172
Apparel accessories and other apparel manufacturing	<1	158	241	611
Leather and hide tanning and finishing	<1	38	71	363
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	20	23	85
Sawmills	<1	49,776	91,696	281,240
Wood preservation	<1	4,090	14,875	44,078
Veneer and plywood manufacturing	<1	27,515	50,738	143,281
Engineered wood member and truss manufacturing	<1	1,967	3,455	12,241
Reconstituted wood product manufacturing	<1	13,810	40,057	115,503
Wood windows and door manufacturing	<1	1,438	2,323	7,187

Appendix

Cut stock, resawing lumber, and planing	<1	4,756	10,681	27,536
Other millwork, including flooring	<1	2,898	5,633	15,581
Wood container and pallet manufacturing	<1	3,343	5,264	13,154
Manufactured home (mobile home) manufacturing	<1	71	98	306
Prefabricated wood building manufacturing	<1	10,279	16,316	51,157
All other miscellaneous wood product manufacturing	<1	6,081	10,636	27,621
Pulp mills	<1	1,430	2,351	6,649
Paper mills	<1	6,772	17,264	65,513
Paperboard mills	<1	810	2,013	5,074
Paperboard container manufacturing	<1	8,626	13,827	54,720
Paper bag and coated and treated paper manufacturing	<1	539	1,060	4,107
Stationery product manufacturing	<1	392	631	3,005
Sanitary paper product manufacturing	<1	1,281	4,113	16,447
All other converted paper product manufacturing	<1	34	54	292
Printing	<1	7,578	18,441	39,885
Support activities for printing	<1	55	127	208
Petroleum refineries	<1	40,409	227,357	1,183,491
Asphalt paving mixture and block manufacturing	<1	8,255	12,213	57,422
Asphalt shingle and coating materials manufacturing	<1	3,675	11,654	31,008
Petroleum lubricating oil and grease manufacturing	<1	230	718	2,657
All other petroleum and coal products manufacturing	<1	855	3,244	9,124
Petrochemical manufacturing	<1	7,983	35,048	321,146
Industrial gas manufacturing	<1	5,551	7,740	41,705
Synthetic dye and pigment manufacturing	<1	649	861	3,936
Other basic inorganic chemical manufacturing	<1	420	591	2,995
Other basic organic chemical manufacturing	<1	481	703	9,099
Plastics material and resin manufacturing	<1	2,990	3,735	32,999
Synthetic rubber manufacturing	<1	213	257	1,540
Artificial and synthetic fibers and filaments manufacturing	<1	10	13	139

Appendix

Nitrogenous fertilizer manufacturing	<1	1,881	2,951	16,080
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	2,111	3,821	26,850
Medicinal and botanical manufacturing	<1	<1	<1	5
Pharmaceutical preparation manufacturing	<1	721	1,449	9,479
In-vitro diagnostic substance manufacturing	<1	4	4	20
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	1,290	1,704	10,187
Adhesive manufacturing	<1	119	141	809
Soap and other detergent manufacturing	<1	419	796	7,196
Polish and other sanitation good manufacturing	<1	145	177	1,248
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	267	477	2,743
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	1,445	1,794	8,336
Photographic film and chemical manufacturing	<1	517	763	3,553
Other miscellaneous chemical product manufacturing	<1	668	821	4,603
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,569	3,320	11,653
Unlaminated plastics profile shape manufacturing	<1	84	253	646
Plastics pipe and pipe fitting manufacturing	<1	1,056	4,009	10,199
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	42	104	243
Polystyrene foam product manufacturing	<1	1,363	2,994	11,120
Urethane and other foam product (except polystyrene) manufacturing	<1	3,702	7,689	33,065
Plastics bottle manufacturing	<1	64	128	472
Other plastics product manufacturing	<1	4,336	7,701	25,437

Appendix

Tire manufacturing	<1	7,364	13,703	50,275
Rubber and plastics hoses and belting manufacturing	<1	43	78	182
Other rubber product manufacturing	<1	346	590	1,922
Pottery, ceramics, and plumbing fixture manufacturing	<1	671	1,139	3,498
Brick, tile, and other structural clay product manufacturing	<1	6,764	14,206	32,431
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	209	448	942
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	366	753	2,001
Cement manufacturing	<1	420	1,342	3,610
Ready-mix concrete manufacturing	<1	48,050	98,391	302,723
Concrete block and brick manufacturing	<1	13,022	29,324	70,594
Concrete pipe manufacturing	<1	13,745	28,852	73,272
Other concrete product manufacturing	1	64,322	103,834	239,032
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	2,644	3,370	7,577
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	6,809	19,832	40,119
Miscellaneous nonmetallic mineral products manufacturing	<1	1,453	5,673	10,765
Iron and steel mills and ferroalloy manufacturing	<1	6,696	17,239	73,179
Iron, steel pipe and tube manufacturing from purchased steel	<1	764	1,761	7,796
Rolled steel shape manufacturing	<1	559	1,819	10,519
Steel wire drawing	<1	137	257	1,156
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	114	357	2,072
Other aluminum rolling, drawing and extruding	<1	35	67	512

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	146	1,103	3,666
Copper rolling, drawing, extruding and alloying	<1	2,062	4,192	43,360
Nonferrous metal, except copper and aluminum, shaping	<1	141	201	1,017
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	682	1,426	3,900
Nonferrous metal foundries	<1	23	41	124
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	312	364	1,445
Iron and steel forging	<1	74	103	686
Nonferrous forging	<1	212	269	1,164
Cutlery, utensil, pot, and pan manufacturing	<1	76	143	561
Handtool manufacturing	<1	21	29	99
Prefabricated metal buildings and components manufacturing	<1	20,693	26,231	101,788
Fabricated structural metal manufacturing	<1	24,716	31,937	120,435
Plate work manufacturing	<1	1,268	1,346	4,753
Metal window and door manufacturing	<1	13,927	16,935	50,253
Sheet metal work manufacturing	<1	1,977	2,367	8,001
Ornamental and architectural metal work manufacturing	<1	3,408	4,011	12,510
Power boiler and heat exchanger manufacturing	<1	13	17	44
Metal tank (heavy gauge) manufacturing	<1	3,597	4,175	12,882
Metal cans manufacturing	<1	38	65	348
Metal barrels, drums and pails manufacturing	<1	212	243	989
Hardware manufacturing	<1	1,642	2,234	9,865
Spring and wire product manufacturing	<1	272	332	1,171
Machine shops	<1	2,352	2,683	6,359
Turned product and screw, nut, and bolt manufacturing	<1	208	267	979
Metal heat treating	<1	367	466	1,426
Metal coating and nonprecious engraving	<1	3,582	5,145	12,465
Electroplating, anodizing, and coloring metal	<1	528	573	1,258
Valve and fittings, other than plumbing, manufacturing	<1	931	1,255	4,061

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	93	140	429
Small arms ammunition manufacturing	<1	10,665	17,708	45,965
Ammunition, except for small arms, manufacturing	<1	15	17	49
Small arms, ordnance, and accessories manufacturing	<1	45	67	189
Fabricated pipe and pipe fitting manufacturing	<1	1,287	1,475	4,410
Other fabricated metal manufacturing	<1	653	773	2,920
Farm machinery and equipment manufacturing	<1	66	114	576
Lawn and garden equipment manufacturing	<1	221	394	2,504
Construction machinery manufacturing	<1	953	2,134	7,187
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	230	385	1,293
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	8	10	31
Sawmill, woodworking, and paper machinery	<1	27	30	105
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	4	5	14
Optical instrument and lens manufacturing	<1	2	3	8
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	3,710	6,064	22,386
Air purification and ventilation equipment manufacturing	<1	38	51	175
Heating equipment (except warm air furnaces) manufacturing	<1	94	145	550
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,015	12,721	48,042
Industrial mold manufacturing	<1	86	101	268
Special tool, die, jig, and fixture manufacturing	<1	100	133	327

Appendix

Cutting tool and machine tool accessory manufacturing	<1	16	19	53
Machine tool manufacturing	<1	23	29	106
Rolling mill and other metalworking machinery manufacturing	<1	23	28	80
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	63	94	289
Mechanical power transmission equipment manufacturing	<1	93	146	363
Other engine equipment manufacturing	<1	1,199	2,474	15,581
Pump and pumping equipment manufacturing	<1	91	161	749
Air and gas compressor manufacturing	<1	7	13	56
Elevator and moving stairway manufacturing	<1	171	242	1,008
Conveyor and conveying equipment manufacturing	<1	180	203	576
Overhead cranes, hoists, and monorail systems manufacturing	<1	152	295	1,208
Industrial truck, trailer, and stacker manufacturing	<1	364	582	1,857
Power-driven handtool manufacturing	<1	355	928	3,321
Welding and soldering equipment manufacturing	<1	13	19	78
Packaging machinery manufacturing	<1	5	7	21
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	869	1,236	4,283
Fluid power pump and motor manufacturing	<1	1,595	2,572	9,230
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	106	131	498
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	22	25	144
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	3	3	28
Other communications equipment manufacturing	<1	69	70	357
Audio and video equipment manufacturing	<1	3	4	40
Printed circuit assembly (electronic assembly) manufacturing	<1	73	74	584
Bare printed circuit board manufacturing	<1	11	12	40
Semiconductor and related device manufacturing	<1	24	30	379
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	13	14	53
Electronic connector manufacturing	<1	88	91	388
Other electronic component manufacturing	<1	34	36	141
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	5	19
Search, detection, and navigation instruments manufacturing	<1	4	4	13
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	31	31	88
Totalizing fluid meter and counting device manufacturing	<1	52	52	246
Electricity and signal testing instruments manufacturing	<1	<1	<1	4
Analytical laboratory instrument manufacturing	<1	2	2	8
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	3,616	5,671	17,343
Small electrical appliance manufacturing	<1	80	189	674

Appendix

Household cooking appliance manufacturing	<1	105	248	868
Household refrigerator and home freezer manufacturing	<1	106	262	877
Household laundry equipment manufacturing	<1	189	351	1,592
Other major household appliance manufacturing	<1	94	244	762
Power, distribution, and specialty transformer manufacturing	<1	2,065	3,277	10,909
Motor and generator manufacturing	<1	462	830	2,485
Switchgear and switchboard apparatus manufacturing	<1	3,386	5,947	16,213
Relay and industrial control manufacturing	<1	122	176	460
Storage battery manufacturing	<1	152	231	764
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	96	155	648
Wiring device manufacturing	<1	502	1,027	3,197
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	<1	3,313	9,451	45,493
Light truck and utility vehicle manufacturing	<1	5,213	12,207	114,357
Heavy duty truck manufacturing	<1	12	28	277
Motor vehicle body manufacturing	<1	251	323	1,353
Truck trailer manufacturing	<1	6	8	38
Motor home manufacturing	<1	2,853	4,384	18,939
Travel trailer and camper manufacturing	<1	1,147	1,286	6,912
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,194	1,724	9,582
Motor vehicle electrical and electronic equipment manufacturing	<1	2,306	2,998	20,744
Motor vehicle transmission and power train parts manufacturing	<1	899	1,293	6,727
Motor vehicle seating and interior trim manufacturing	<1	1,800	2,166	12,640
Motor vehicle metal stamping	<1	1,327	1,605	6,869
Other motor vehicle parts manufacturing	<1	6,301	8,594	41,422

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,185	1,801	8,465
Aircraft manufacturing	<1	5	11	44
Aircraft engine and engine parts manufacturing	<1	16	29	99
Other aircraft parts and auxiliary equipment manufacturing	<1	7	10	26
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	5	7	19
Railroad rolling stock manufacturing	<1	3	4	29
Ship building and repairing	<1	956	1,154	2,862
Boat building	<1	603	796	3,014
Motorcycle, bicycle, and parts manufacturing	<1	3	9	41
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	1,871	2,838	6,936
Upholstered household furniture manufacturing	<1	6,383	7,438	24,226
Nonupholstered wood household furniture manufacturing	<1	196	246	717
Other household nonupholstered furniture manufacturing	<1	14	24	72
Institutional furniture manufacturing	<1	641	717	2,315
Wood office furniture manufacturing	<1	143	215	663
Custom architectural woodwork and millwork	<1	150	146	465
Office furniture, except wood, manufacturing	<1	615	1,155	3,373
Showcase, partition, shelving, and locker manufacturing	<1	603	976	3,421
Mattress manufacturing	<1	322	644	2,267
Blind and shade manufacturing	<1	26	27	103
Surgical and medical instrument manufacturing	<1	116	185	652
Surgical appliance and supplies manufacturing	<1	125	211	705
Dental equipment and supplies manufacturing	0	0	0	0

Appendix

Ophthalmic goods manufacturing	<1	31	51	131
Dental laboratories	<1	60	62	133
Jewelry and silverware manufacturing	<1	235	414	1,438
Sporting and athletic goods manufacturing	<1	219	284	1,055
Doll, toy, and game manufacturing	<1	65	90	366
Office supplies (except paper) manufacturing	<1	382	512	2,626
Sign manufacturing	<1	1,353	1,155	3,668
Gasket, packing, and sealing device manufacturing	<1	15	18	56
Musical instrument manufacturing	<1	20	21	61
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	475	600	2,899
Burial casket manufacturing	<1	116	137	399
All other miscellaneous manufacturing	<1	160	204	792
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	7,344	15,761	37,133
Wholesale - Professional and commercial equipment and supplies	<1	32,274	49,988	97,614
Wholesale - Household appliances and electrical and electronic goods	<1	24,182	55,542	144,530
Wholesale - Machinery, equipment, and supplies	<1	65,206	122,261	225,474
Wholesale - Other durable goods merchant wholesalers	2	123,169	200,761	431,852
Wholesale - Drugs and druggists' sundries	<1	21,880	58,502	110,908
Wholesale - Grocery and related product wholesalers	<1	37,367	49,789	107,416
Wholesale - Petroleum and petroleum products	<1	16,705	220,021	258,324
Wholesale - Other nondurable goods merchant wholesalers	<1	40,947	86,501	181,425
Wholesale - Wholesale electronic markets and agents and brokers	<1	40,757	42,271	51,141
Retail - Motor vehicle and parts dealers	<1	44,045	76,580	114,584
Retail - Furniture and home furnishings stores	<1	18,084	26,540	48,102
Retail - Electronics and appliance stores	<1	21,564	24,211	42,292

Appendix

Retail - Building material and garden equipment and supplies stores	4	158,498	324,266	480,690
Retail - Food and beverage stores	2	53,284	76,877	133,345
Retail - Health and personal care stores	1	51,972	66,646	102,116
Retail - Gasoline stores	<1	26,496	48,920	94,343
Retail - Clothing and clothing accessories stores	1	25,482	49,235	112,236
Retail - Sporting goods, hobby, musical instrument and book stores	<1	14,836	21,888	40,570
Retail - General merchandise stores	3	77,515	123,612	204,355
Retail - Miscellaneous store retailers	2	29,992	41,695	76,646
Retail - Nonstore retailers	1	16,658	69,576	180,170
Air transportation	<1	9,543	14,472	39,976
Rail transportation	<1	24,617	74,515	115,057
Water transportation	<1	5,046	7,009	28,503
Truck transportation	4	190,510	273,021	595,786
Transit and ground passenger transportation	1	15,637	20,322	33,300
Pipeline transportation	<1	25,576	40,578	53,246
Scenic and sightseeing transportation and support activities for transportation	<1	53,579	60,126	126,680
Couriers and messengers	1	45,400	61,935	106,872
Warehousing and storage	2	82,484	94,152	179,186
Newspaper publishers	<1	9,844	24,912	31,258
Periodical publishers	<1	3,919	8,886	14,734
Book publishers	<1	542	2,969	4,617
Directory, mailing list, and other publishers	<1	1,382	6,410	8,316
Greeting card publishing	0	0	0	0
Software publishers	<1	39,542	133,407	150,081
Motion picture and video industries	<1	3,636	6,361	32,730
Sound recording industries	<1	620	2,964	7,343
Radio and television broadcasting	<1	16,642	23,984	125,421
Cable and other subscription programming	<1	250	1,872	8,018
Wired telecommunications carriers	<1	38,188	90,565	192,649
Wireless telecommunications carriers (except satellite)	<1	16,071	100,530	338,768

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	1,044	1,751	5,004
Data processing, hosting, and related services	<1	15,335	32,742	129,260
News syndicates, libraries, archives and all other information services	<1	1,017	1,478	3,993
Internet publishing and broadcasting and web search portals	<1	3,829	7,634	49,810
Nondepository credit intermediation and related activities	<1	46,541	61,758	136,435
Securities and commodity contracts intermediation and brokerage	1	30,207	28,951	135,255
Monetary authorities and depository credit intermediation	4	264,404	737,129	1,363,849
Other financial investment activities	<1	12,106	16,303	107,585
Direct life insurance carriers	<1	19,870	53,848	85,450
Insurance carriers, except direct life	<1	34,318	158,835	335,620
Insurance agencies, brokerages, and related activities	2	85,331	158,173	436,093
Funds, trusts, and other financial vehicles	<1	12,842	17,551	140,503
Other real estate	6	66,353	330,558	1,009,208
Tenant-occupied housing	1	12,472	179,533	226,134
Owner-occupied dwellings	0	0	832,729	1,057,113
Automotive equipment rental and leasing	<1	16,111	62,287	91,866
General and consumer goods rental except video tapes and discs	<1	15,738	26,166	46,230
Video tape and disc rental	<1	2,359	4,352	7,184
Commercial and industrial machinery and equipment rental and leasing	<1	59,402	184,347	268,789
Lessors of nonfinancial intangible assets	<1	599	21,496	26,632
Legal services	2	143,083	203,951	340,947
Accounting, tax preparation, bookkeeping, and payroll services	3	128,518	151,753	264,112
Architectural, engineering, and related services	2	137,087	143,691	297,079
Specialized design services	<1	3,704	4,989	9,982
Custom computer programming services	<1	21,769	23,813	38,334

Appendix

Computer systems design services	1	66,483	53,185	81,399
Other computer related services, including facilities management	<1	8,873	7,817	24,484
Management consulting services	56	3,299,528	3,395,835	6,454,231
Environmental and other technical consulting services	<1	45,552	47,054	78,861
Scientific research and development services	4	203,755	269,596	658,904
Advertising, public relations, and related services	<1	30,311	38,354	94,720
Photographic services	<1	3,801	7,083	17,772
Veterinary services	<1	5,756	6,505	11,509
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	22,217	32,985	74,806
Management of companies and enterprises	3	251,896	299,424	560,585
Office administrative services	<1	31,824	7,362	39,292
Facilities support services	22	706,051	971,095	2,924,880
Employment services	15	355,316	472,673	911,576
Business support services	3	82,970	64,951	163,449
Travel arrangement and reservation services	<1	3,955	4,843	17,051
Investigation and security services	2	48,416	46,626	88,587
Services to buildings	3	48,551	62,393	157,187
Landscape and horticultural services	1	37,495	44,374	97,707
Other support services	<1	21,423	26,062	71,124
Waste management and remediation services	<1	35,150	60,494	123,504
Elementary and secondary schools	<1	19,878	16,724	21,642
Junior colleges, colleges, universities, and professional schools	<1	18,236	24,585	38,518
Other educational services	<1	16,781	18,751	36,116
Offices of physicians	3	312,723	325,513	481,599
Offices of dentists	<1	52,646	64,364	94,819
Offices of other health practitioners	<1	53,261	74,397	100,830
Outpatient care centers	<1	37,407	34,386	64,497
Medical and diagnostic laboratories	<1	9,354	13,011	21,076
Home health care services	1	75,004	71,598	89,752
Other ambulatory health care services	<1	17,458	19,220	32,814

Appendix

Hospitals	3	204,579	241,678	523,653
Nursing and community care facilities	2	68,009	72,656	135,631
Residential mental retardation, mental health, substance abuse and other facilities	<1	13,535	14,129	24,350
Individual and family services	2	49,807	41,017	68,782
Child day care services	<1	19,592	24,461	37,609
Community food, housing, and other relief services, including rehabilitation services	<1	10,437	10,252	30,865
Performing arts companies	<1	2,609	4,610	14,830
Commercial Sports Except Racing	<1	2,531	2,798	10,141
Racing and Track Operation	<1	462	776	1,975
Independent artists, writers, and performers	<1	3,537	17,080	46,051
Promoters of performing arts and sports and agents for public figures	<1	1,933	4,841	22,407
Museums, historical sites, zoos, and parks	<1	1,628	2,083	4,282
Amusement parks and arcades	<1	412	1,316	2,094
Gambling industries (except casino hotels)	<1	7,241	17,835	31,185
Other amusement and recreation industries	<1	7,725	10,568	20,294
Fitness and recreational sports centers	<1	6,027	9,250	17,448
Bowling centers	<1	851	1,477	2,748
Hotels and motels, including casino hotels	<1	12,617	24,687	42,032
Other accommodations	<1	1,402	1,913	2,844
Full-service restaurants	6	110,377	168,818	329,733
Limited-service restaurants	5	74,262	127,866	324,440
All other food and drinking places	4	88,875	143,311	226,226
Automotive repair and maintenance, except car washes	2	72,750	102,236	157,762
Car washes	<1	31,798	55,445	85,315
Electronic and precision equipment repair and maintenance	4	179,979	231,049	442,569
Commercial and industrial machinery and equipment repair and maintenance	1	60,818	58,449	105,501
Personal and household goods repair and maintenance	<1	22,718	46,071	72,778
Personal care services	<1	20,099	21,100	30,100
Death care services	<1	4,144	4,242	6,238

Appendix

Dry-cleaning and laundry services	<1	11,477	11,373	15,538
Other personal services	<1	11,635	15,746	24,864
Religious organizations	2	62,037	44,950	142,702
Grantmaking, giving, and social advocacy organizations	<1	10,390	39,653	61,579
Business and professional associations	<1	15,348	30,611	58,099
Labor and civic organizations	<1	4,404	14,700	24,622
Private households	<1	10,068	10,068	10,068
Postal service	<1	76,584	76,612	82,357
Federal electric utilities	<1	10,176	16,732	64,323
Other federal government enterprises	2	97,927	-37,331	244,717
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	17,190	22,791	40,875
Local government passenger transit	<1	7,829	-2,177	12,482
Local government electric utilities	<1	4,639	15,004	35,363
Other local government enterprises	<1	36,033	87,163	203,502
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	310,347	366,719	838,953

Missouri

NASA

Table 700: Detailed NASA Impacts by Types of Impact, Missouri

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	481	31,947,324	47,626,079	92,831,634
Oilseed farming	<1	-1,678	115,220	240,449
Grain farming	<1	5,247	-307	153,251
Vegetable and melon farming	<1	556	1,837	4,858
Fruit farming	<1	419	1,592	3,020
Tree nut farming	<1	230	860	1,574
Greenhouse, nursery, and floriculture production	<1	1,889	3,598	9,839
Tobacco farming	<1	16	23	58
Cotton farming	<1	1,173	2,067	5,765
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,033	3,486	11,376
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	289	12,473	68,275
Dairy cattle and milk production	<1	207	1,114	9,756
Poultry and egg production	<1	1,518	3,310	45,481
Animal production, except cattle and poultry and eggs	2	5,496	65,695	129,121
Forestry, forest products, and timber tract production	<1	1,089	1,116	1,397
Commercial logging	<1	8,694	8,292	12,055
Commercial fishing	<1	-284	314	447
Commercial hunting and trapping	<1	26	-69	436
Support activities for agriculture and forestry	<1	24,337	19,386	25,495
Oil and gas extraction	<1	6,468	74	85,165
Coal mining	<1	1,583	4,269	6,339
Copper, nickel, lead, and zinc mining	<1	34,146	127,641	228,510
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	235	424	738
Stone mining and quarrying	<1	3,436	17,142	33,406
Sand and gravel mining	<1	1,437	3,964	7,906

Appendix

Other clay, ceramic, refractory minerals mining	<1	317	845	1,789
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	137	397	825
Other nonmetallic minerals	<1	358	951	2,138
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	20	16	89
Metal mining services	<1	115	131	1,354
Other nonmetallic minerals services	<1	10	5	132
Electric power generation - Hydroelectric	<1	9,426	26,800	51,936
Electric power generation - Fossil fuel	<1	32,191	118,301	316,229
Electric power generation - Nuclear	<1	19,086	39,354	79,684
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	716	5,272	8,937
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1,957	1,172	3,598
Electric power transmission and distribution	<1	75,835	259,769	699,162
Natural gas distribution	<1	40,973	109,400	242,358
Water, sewage and other systems	<1	9,564	18,641	34,017
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	3	220,870	233,879	515,940
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	118,340	139,775	368,980
Maintenance and repair construction of residential structures	<1	40,165	49,111	126,951
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	90	109	283
Dog and cat food manufacturing	<1	18,821	48,760	132,454
Other animal food manufacturing	<1	5,308	8,330	63,428
Flour milling	<1	2,382	4,095	24,116
Rice milling	<1	206	323	3,002
Malt manufacturing	<1	91	156	1,359
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1,384	6,312	55,791
Fats and oils refining and blending	<1	279	499	4,775
Breakfast cereal manufacturing	<1	4,815	10,503	46,120
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	97	141	760
Chocolate and confectionery manufacturing from cacao beans	<1	134	190	798
Confectionery manufacturing from purchased chocolate	<1	1,160	1,509	7,071
Frozen fruits, juices and vegetables manufacturing	<1	2,426	4,431	18,039
Frozen specialties manufacturing	<1	5,926	7,886	31,341
Canned fruits and vegetables manufacturing	<1	1,760	3,203	9,228
Canned specialties	<1	1	3	27
Dehydrated food products manufacturing	<1	20	35	255
Cheese manufacturing	<1	12,422	17,197	151,003
Dry, condensed, and evaporated dairy product manufacturing	<1	2,421	5,106	29,992
Fluid milk manufacturing	<1	5,255	7,739	44,151
Creamery butter manufacturing	<1	247	970	6,242
Ice cream and frozen dessert manufacturing	<1	3,025	3,965	16,420
Frozen cakes and other pastries manufacturing	<1	2,343	3,194	6,680

Appendix

Poultry processing	<1	16,554	20,018	85,344
Animal, except poultry, slaughtering	<1	10,093	12,170	91,910
Meat processed from carcasses	<1	16,384	15,536	103,503
Rendering and meat byproduct processing	<1	311	315	1,617
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	7,642	10,302	28,659
Cookie and cracker manufacturing	<1	2,257	3,066	11,557
Dry pasta, mixes, and dough manufacturing	<1	1,971	3,872	14,787
Tortilla manufacturing	<1	158	190	709
Roasted nuts and peanut butter manufacturing	<1	678	923	4,819
Other snack food manufacturing	<1	728	1,126	7,103
Coffee and tea manufacturing	<1	829	1,394	6,800
Flavoring syrup and concentrate manufacturing	<1	660	3,951	10,501
Mayonnaise, dressing, and sauce manufacturing	<1	1,271	2,244	8,290
Spice and extract manufacturing	<1	1,288	1,951	8,724
All other food manufacturing	<1	2,273	3,144	14,221
Bottled and canned soft drinks & water	<1	6,281	9,879	42,294
Manufactured ice	<1	605	354	1,800
Breweries	<1	18,138	34,920	72,353
Wineries	<1	1,957	3,235	17,736
Distilleries	<1	2,262	9,187	20,173
Tobacco product manufacturing	<1	2,906	60,609	99,089
Fiber, yarn, and thread mills	<1	4	6	28
Broadwoven fabric mills	<1	25	35	118
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	264	388	1,398
Knit fabric mills	<1	19	22	58
Textile and fabric finishing mills	<1	4,426	5,530	25,050
Fabric coating mills	<1	631	751	2,674
Carpet and rug mills	<1	239	352	1,258
Curtain and linen mills	<1	99	122	509
Textile bag and canvas mills	<1	964	1,102	3,216
Rope, cordage, twine, tire cord and tire fabric mills	<1	208	282	853
Other textile product mills	<1	1,493	1,729	5,245
Hosiery and sock mills	<1	24	39	96

Appendix

Other apparel knitting mills	<1	196	237	682
Cut and sew apparel contractors	<1	329	366	778
Mens and boys cut and sew apparel manufacturing	<1	147	180	523
Womens and girls cut and sew apparel manufacturing	<1	41	64	339
Other cut and sew apparel manufacturing	<1	673	864	2,338
Apparel accessories and other apparel manufacturing	<1	311	406	1,367
Leather and hide tanning and finishing	<1	321	474	1,590
Footwear manufacturing	<1	675	757	2,189
Other leather and allied product manufacturing	<1	177	188	426
Sawmills	<1	8,393	9,566	42,314
Wood preservation	<1	591	835	4,082
Veneer and plywood manufacturing	<1	915	1,008	3,167
Engineered wood member and truss manufacturing	<1	2,191	2,487	7,925
Reconstituted wood product manufacturing	<1	38	51	216
Wood windows and door manufacturing	<1	3,270	3,596	10,455
Cut stock, resawing lumber, and planing	<1	2,069	2,389	7,930
Other millwork, including flooring	<1	7,253	8,310	25,370
Wood container and pallet manufacturing	<1	5,893	6,351	16,741
Manufactured home (mobile home) manufacturing	<1	4	4	11
Prefabricated wood building manufacturing	<1	603	656	1,983
All other miscellaneous wood product manufacturing	<1	1,485	1,620	6,063
Pulp mills	0	0	0	0
Paper mills	<1	2,162	9,192	24,255
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	12,590	30,100	98,907
Paper bag and coated and treated paper manufacturing	<1	1,826	5,905	15,918
Stationery product manufacturing	<1	1,769	4,020	12,252
Sanitary paper product manufacturing	<1	620	3,920	6,635
All other converted paper product manufacturing	<1	5,682	12,337	26,013

Appendix

Printing	1	71,448	135,444	249,059
Support activities for printing	<1	4,159	7,200	10,097
Petroleum refineries	<1	1,342	10,415	62,082
Asphalt paving mixture and block manufacturing	<1	1,828	2,952	11,639
Asphalt shingle and coating materials manufacturing	<1	1,075	4,067	9,089
Petroleum lubricating oil and grease manufacturing	<1	2,960	10,943	23,960
All other petroleum and coal products manufacturing	<1	464	1,958	4,891
Petrochemical manufacturing	<1	756	4,812	19,760
Industrial gas manufacturing	<1	995	1,942	6,469
Synthetic dye and pigment manufacturing	<1	2,037	3,730	11,365
Other basic inorganic chemical manufacturing	<1	2,330	4,392	15,691
Other basic organic chemical manufacturing	<1	7,955	15,215	120,238
Plastics material and resin manufacturing	<1	2,830	4,354	32,727
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	408	518	1,771
Nitrogenous fertilizer manufacturing	<1	453	997	3,507
Phosphatic fertilizer manufacturing	<1	215	387	1,214
Fertilizer mixing	<1	304	545	1,744
Pesticide and other agricultural chemical manufacturing	<1	4,701	12,288	52,049
Medicinal and botanical manufacturing	<1	1,584	2,451	6,823
Pharmaceutical preparation manufacturing	<1	11,504	34,220	102,560
In-vitro diagnostic substance manufacturing	<1	359	485	1,127
Biological product (except diagnostic) manufacturing	<1	4,084	7,792	17,492
Paint and coating manufacturing	<1	4,291	7,460	27,654
Adhesive manufacturing	<1	3,391	5,232	20,315
Soap and other detergent manufacturing	<1	14,780	38,823	141,708
Polish and other sanitation good manufacturing	<1	20,853	30,109	90,412
Surface active agent manufacturing	<1	609	1,753	5,156
Toilet preparation manufacturing	<1	5,102	14,926	43,808
Printing ink manufacturing	<1	532	570	2,008

Appendix

Explosives manufacturing	<1	409	456	1,286
Custom compounding of purchased resins	<1	764	1,271	3,479
Photographic film and chemical manufacturing	<1	397	835	4,257
Other miscellaneous chemical product manufacturing	<1	3,752	5,824	23,936
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	5,350	8,180	32,002
Unlaminated plastics profile shape manufacturing	<1	2,199	4,290	13,085
Plastics pipe and pipe fitting manufacturing	<1	29,925	70,185	193,735
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	114	194	652
Polystyrene foam product manufacturing	<1	1,190	1,872	7,073
Urethane and other foam product (except polystyrene) manufacturing	<1	1,752	2,646	11,327
Plastics bottle manufacturing	<1	1,491	2,247	11,046
Other plastics product manufacturing	<1	21,859	30,076	104,574
Tire manufacturing	<1	899	1,300	6,687
Rubber and plastics hoses and belting manufacturing	<1	2,319	3,259	10,177
Other rubber product manufacturing	<1	4,606	6,200	22,735
Pottery, ceramics, and plumbing fixture manufacturing	<1	742	1,063	2,186
Brick, tile, and other structural clay product manufacturing	<1	2,323	3,989	9,171
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	3,430	5,959	14,600
Glass container manufacturing	<1	749	1,212	3,150
Glass product manufacturing made of purchased glass	<1	695	1,189	3,093
Cement manufacturing	<1	3,498	8,324	23,338
Ready-mix concrete manufacturing	<1	12,628	21,477	78,774
Concrete block and brick manufacturing	<1	2,360	4,262	10,799
Concrete pipe manufacturing	<1	597	993	2,848
Other concrete product manufacturing	<1	5,282	7,380	19,444
Lime manufacturing	<1	790	1,863	4,621
Gypsum product manufacturing	<1	254	668	1,674

Appendix

Abrasive product manufacturing	<1	170	456	878
Cut stone and stone product manufacturing	<1	2,014	2,405	5,490
Ground or treated mineral and earth manufacturing	<1	1,229	3,253	7,997
Mineral wool manufacturing	<1	444	1,025	2,527
Miscellaneous nonmetallic mineral products manufacturing	<1	599	1,655	4,056
Iron and steel mills and ferroalloy manufacturing	<1	692	1,178	7,836
Iron, steel pipe and tube manufacturing from purchased steel	<1	389	598	3,023
Rolled steel shape manufacturing	<1	346	634	3,273
Steel wire drawing	<1	1,078	1,417	8,007
Alumina refining and primary aluminum production	<1	175	252	1,811
Secondary smelting and alloying of aluminum	<1	426	715	6,325
Aluminum sheet, plate, and foil manufacturing	<1	3,070	5,497	28,536
Other aluminum rolling, drawing and extruding	<1	572	768	4,385
Nonferrous metal (exc aluminum) smelting and refining	<1	96	333	1,538
Copper rolling, drawing, extruding and alloying	<1	3,629	4,989	31,389
Nonferrous metal, except copper and aluminum, shaping	<1	256	303	1,210
Secondary processing of other nonferrous metals	<1	96	153	1,106
Ferrous metal foundries	<1	257	347	1,089
Nonferrous metal foundries	<1	2,910	3,888	10,269
Custom roll forming	<1	243	393	2,745
Crown and closure manufacturing and metal stamping	<1	2,934	3,599	10,018
Iron and steel forging	<1	366	563	2,092
Nonferrous forging	<1	213	299	1,347
Cutlery, utensil, pot, and pan manufacturing	<1	72	174	706
Handtool manufacturing	<1	23,839	38,142	90,144
Prefabricated metal buildings and components manufacturing	<1	2,288	3,090	11,662
Fabricated structural metal manufacturing	<1	3,380	4,754	15,713
Plate work manufacturing	<1	1,047	1,138	3,594
Metal window and door manufacturing	<1	7,325	9,605	28,058
Sheet metal work manufacturing	<1	5,228	6,662	16,701

Appendix

Ornamental and architectural metal work manufacturing	<1	3,189	3,991	10,782
Power boiler and heat exchanger manufacturing	<1	44	61	162
Metal tank (heavy gauge) manufacturing	<1	1,598	1,976	5,958
Metal cans manufacturing	<1	3,320	7,320	36,814
Metal barrels, drums and pails manufacturing	<1	1,145	1,391	5,800
Hardware manufacturing	<1	297	444	1,428
Spring and wire product manufacturing	<1	1,726	2,282	7,558
Machine shops	<1	9,967	11,925	25,949
Turned product and screw, nut, and bolt manufacturing	<1	1,138	1,606	5,038
Metal heat treating	<1	1,385	1,924	4,643
Metal coating and nonprecious engraving	<1	1,300	2,147	5,562
Electroplating, anodizing, and coloring metal	<1	3,256	3,666	8,840
Valve and fittings, other than plumbing, manufacturing	<1	3,935	5,936	17,084
Plumbing fixture fitting and trim manufacturing	<1	1,044	2,680	12,098
Ball and roller bearing manufacturing	<1	1,117	1,898	4,555
Small arms ammunition manufacturing	<1	18,166	35,000	70,942
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	276	483	1,158
Fabricated pipe and pipe fitting manufacturing	<1	839	1,010	2,689
Other fabricated metal manufacturing	<1	31,736	39,909	103,309
Farm machinery and equipment manufacturing	<1	166	274	1,434
Lawn and garden equipment manufacturing	<1	70	117	618
Construction machinery manufacturing	<1	33	69	230
Mining machinery and equipment manufacturing	<1	97	145	415
Oil and gas field machinery and equipment manufacturing	<1	29	45	124
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	95	107	333

Appendix

Sawmill, woodworking, and paper machinery	<1	68	76	257
Printing machinery and equipment manufacturing	<1	255	279	744
All other industrial machinery manufacturing	<1	28	35	110
Optical instrument and lens manufacturing	<1	30	43	113
Photographic and photocopying equipment manufacturing	<1	4	5	37
Other commercial service industry machinery manufacturing	<1	1,055	1,653	5,342
Air purification and ventilation equipment manufacturing	<1	587	778	2,227
Heating equipment (except warm air furnaces) manufacturing	<1	541	773	2,208
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	8,460	14,350	48,179
Industrial mold manufacturing	<1	559	637	1,298
Special tool, die, jig, and fixture manufacturing	<1	697	876	1,737
Cutting tool and machine tool accessory manufacturing	<1	86	96	298
Machine tool manufacturing	<1	235	288	951
Rolling mill and other metalworking machinery manufacturing	<1	45	53	132
Turbine and turbine generator set units manufacturing	<1	33	42	157
Speed changer, industrial high-speed drive, and gear manufacturing	<1	595	850	2,878
Mechanical power transmission equipment manufacturing	<1	78	116	305
Other engine equipment manufacturing	<1	2,962	5,877	37,492
Pump and pumping equipment manufacturing	<1	130	215	631
Air and gas compressor manufacturing	<1	31	55	205
Elevator and moving stairway manufacturing	<1	80	108	333
Conveyor and conveying equipment manufacturing	<1	106	118	302
Overhead cranes, hoists, and monorail systems manufacturing	<1	16	24	84
Industrial truck, trailer, and stacker manufacturing	<1	25	39	140

Appendix

Power-driven handtool manufacturing	<1	23	52	142
Welding and soldering equipment manufacturing	<1	129	176	449
Packaging machinery manufacturing	<1	89	120	338
Industrial process furnace and oven manufacturing	<1	63	72	181
Fluid power cylinder and actuator manufacturing	<1	22	30	119
Fluid power pump and motor manufacturing	<1	148	224	1,003
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	328	393	1,256
Electronic computer manufacturing	<1	10	36	109
Computer storage device manufacturing	<1	16	73	205
Computer terminals and other computer peripheral equipment manufacturing	<1	3,301	8,548	17,091
Telephone apparatus manufacturing	<1	24	61	277
Broadcast and wireless communications equipment manufacturing	<1	5	14	57
Other communications equipment manufacturing	<1	1,995	5,300	12,465
Audio and video equipment manufacturing	<1	22	59	174
Printed circuit assembly (electronic assembly) manufacturing	<1	180	550	1,854
Bare printed circuit board manufacturing	<1	220	395	938
Semiconductor and related device manufacturing	<1	788	2,120	5,568
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	880	1,722	4,051
Electronic connector manufacturing	<1	4,957	11,251	25,159
Other electronic component manufacturing	<1	12,530	22,696	45,631
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	10	16
Search, detection, and navigation instruments manufacturing	<1	14,026	40,604	56,903
Automatic environmental control manufacturing	<1	5,046	9,050	19,031

Appendix

Industrial process variable instruments manufacturing	<1	78	188	427
Totalizing fluid meter and counting device manufacturing	<1	22	84	149
Electricity and signal testing instruments manufacturing	<1	43	107	323
Analytical laboratory instrument manufacturing	<1	11,162	30,720	51,248
Irradiation apparatus manufacturing	<1	<1	3	4
Watch, clock, and other measuring and controlling device manufacturing	<1	33	104	196
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	295	613	1,181
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	978	1,759	4,427
Small electrical appliance manufacturing	<1	312	949	2,901
Household cooking appliance manufacturing	<1	44	136	367
Household refrigerator and home freezer manufacturing	<1	42	136	352
Household laundry equipment manufacturing	<1	97	221	786
Other major household appliance manufacturing	<1	17	60	145
Power, distribution, and specialty transformer manufacturing	<1	329	605	1,415
Motor and generator manufacturing	<1	1,349	2,964	7,044
Switchgear and switchboard apparatus manufacturing	<1	1,010	2,198	5,178
Relay and industrial control manufacturing	<1	275	446	1,111
Storage battery manufacturing	<1	4,441	7,653	20,191
Primary battery manufacturing	<1	3,294	13,149	14,090
Fiber optic cable manufacturing	<1	475	655	3,077
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	6,725	16,929	39,479
Carbon and graphite product manufacturing	<1	379	822	2,409
All other miscellaneous electrical equipment and component manufacturing	<1	60,539	75,790	244,578
Automobile manufacturing	<1	661	1,957	9,342

Appendix

Light truck and utility vehicle manufacturing	<1	7,289	12,064	122,172
Heavy duty truck manufacturing	<1	21	45	234
Motor vehicle body manufacturing	<1	87	110	490
Truck trailer manufacturing	<1	15	17	81
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,398	2,611	13,854
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,536	2,158	17,286
Motor vehicle electrical and electronic equipment manufacturing	<1	3,670	4,473	27,491
Motor vehicle transmission and power train parts manufacturing	<1	4,162	5,987	32,140
Motor vehicle seating and interior trim manufacturing	<1	1,968	2,190	13,005
Motor vehicle metal stamping	<1	3,413	3,981	19,197
Other motor vehicle parts manufacturing	<1	6,090	7,612	42,015
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,550	3,801	16,962
Aircraft manufacturing	<1	316	250	1,518
Aircraft engine and engine parts manufacturing	<1	98	99	570
Other aircraft parts and auxiliary equipment manufacturing	<1	34,187	33,154	112,000
Guided missile and space vehicle manufacturing	<1	20	20	51
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	1
Railroad rolling stock manufacturing	<1	101	98	541
Ship building and repairing	<1	274	267	875
Boat building	<1	5,035	5,276	29,569
Motorcycle, bicycle, and parts manufacturing	<1	1,213	803	5,947
Military armored vehicle, tank, and tank component manufacturing	<1	843	685	3,388
All other transportation equipment manufacturing	<1	2,318	2,348	19,479
Wood kitchen cabinet and countertop manufacturing	<1	6,680	8,510	20,780
Upholstered household furniture manufacturing	<1	1,513	1,713	5,692

Appendix

Nonupholstered wood household furniture manufacturing	<1	482	553	1,409
Other household nonupholstered furniture manufacturing	<1	47	71	267
Institutional furniture manufacturing	<1	269	298	931
Wood office furniture manufacturing	<1	319	424	1,522
Custom architectural woodwork and millwork	<1	182	171	551
Office furniture, except wood, manufacturing	<1	6,211	9,796	29,577
Showcase, partition, shelving, and locker manufacturing	<1	1,141	1,539	4,466
Mattress manufacturing	<1	74	125	573
Blind and shade manufacturing	<1	2	2	9
Surgical and medical instrument manufacturing	<1	968	1,781	3,790
Surgical appliance and supplies manufacturing	<1	1,543	3,064	6,652
Dental equipment and supplies manufacturing	<1	88	152	358
Ophthalmic goods manufacturing	<1	845	1,728	3,075
Dental laboratories	<1	1,269	1,317	2,232
Jewelry and silverware manufacturing	<1	1,191	1,856	4,917
Sporting and athletic goods manufacturing	<1	1,638	2,377	6,867
Doll, toy, and game manufacturing	<1	427	715	2,387
Office supplies (except paper) manufacturing	<1	13,901	20,516	48,157
Sign manufacturing	<1	4,287	4,169	9,069
Gasket, packing, and sealing device manufacturing	<1	1,650	2,117	4,530
Musical instrument manufacturing	<1	152	166	387
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	606	1,011	2,778
Burial casket manufacturing	<1	230	294	637
All other miscellaneous manufacturing	<1	2,521	3,420	8,509
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	23,495	50,839	110,119
Wholesale - Professional and commercial equipment and supplies	<1	106,162	162,135	278,761

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	48,349	109,443	236,693
Wholesale - Machinery, equipment, and supplies	<1	64,830	116,434	200,264
Wholesale - Other durable goods merchant wholesalers	2	120,425	199,114	390,713
Wholesale - Drugs and druggists' sundries	<1	55,872	155,507	292,306
Wholesale - Grocery and related product wholesalers	<1	70,687	93,947	181,917
Wholesale - Petroleum and petroleum products	<1	15,926	173,949	209,067
Wholesale - Other nondurable goods merchant wholesalers	2	164,461	319,472	600,177
Wholesale - Wholesale electronic markets and agents and brokers	1	141,269	146,055	169,710
Retail - Motor vehicle and parts dealers	2	90,098	134,382	207,504
Retail - Furniture and home furnishings stores	1	41,041	51,521	88,974
Retail - Electronics and appliance stores	<1	44,983	43,269	76,663
Retail - Building material and garden equipment and supplies stores	2	63,584	109,292	169,864
Retail - Food and beverage stores	4	106,132	140,508	252,392
Retail - Health and personal care stores	2	94,919	115,424	181,590
Retail - Gasoline stores	2	48,781	76,894	157,634
Retail - Clothing and clothing accessories stores	2	53,250	75,447	162,830
Retail - Sporting goods, hobby, musical instrument and book stores	1	36,817	46,224	79,973
Retail - General merchandise stores	5	144,864	194,883	337,796
Retail - Miscellaneous store retailers	3	59,184	71,101	133,595
Retail - Nonstore retailers	4	76,481	298,719	586,886
Air transportation	<1	61,308	171,817	287,658
Rail transportation	<1	27,627	77,084	121,701
Water transportation	<1	10,503	16,367	56,185
Truck transportation	5	307,509	386,047	754,409
Transit and ground passenger transportation	3	62,403	84,309	116,657
Pipeline transportation	<1	14,736	31,769	39,064
Scenic and sightseeing transportation and support activities for transportation	3	149,813	169,258	368,038

Appendix

Couriers and messengers	2	79,204	115,285	195,723
Warehousing and storage	2	103,346	120,499	226,300
Newspaper publishers	<1	22,301	42,290	54,677
Periodical publishers	<1	22,164	38,410	57,820
Book publishers	<1	3,084	11,178	20,088
Directory, mailing list, and other publishers	<1	29,322	94,790	140,274
Greeting card publishing	<1	1,811	5,732	7,275
Software publishers	2	221,020	573,780	641,106
Motion picture and video industries	<1	26,577	50,185	138,987
Sound recording industries	<1	1,646	11,349	24,067
Radio and television broadcasting	<1	97,009	115,006	324,784
Cable and other subscription programming	<1	48,167	220,776	756,795
Wired telecommunications carriers	1	122,849	268,265	512,589
Wireless telecommunications carriers (except satellite)	<1	18,870	130,718	404,841
Satellite, telecommunications resellers, and all other telecommunications	<1	36,006	60,350	231,937
Data processing, hosting, and related services	11	1,796,208	3,359,671	6,595,113
News syndicates, libraries, archives and all other information services	<1	7,080	12,855	31,496
Internet publishing and broadcasting and web search portals	<1	19,545	45,403	214,255
Nondepository credit intermediation and related activities	2	153,520	201,431	338,521
Securities and commodity contracts intermediation and brokerage	4	490,467	458,044	665,715
Monetary authorities and depository credit intermediation	6	543,968	1,548,735	2,527,734
Other financial investment activities	2	201,686	249,122	477,398
Direct life insurance carriers	<1	60,473	112,465	163,357
Insurance carriers, except direct life	2	204,206	616,076	1,327,425
Insurance agencies, brokerages, and related activities	5	420,137	634,938	1,433,094
Funds, trusts, and other financial vehicles	<1	27,045	29,208	254,096
Other real estate	23	352,735	1,393,695	4,127,243
Tenant-occupied housing	2	28,029	422,545	508,820

Appendix

Owner-occupied dwellings	0	0	1,767,426	2,243,670
Automotive equipment rental and leasing	<1	84,895	147,589	214,517
General and consumer goods rental except video tapes and discs	<1	45,064	53,750	86,162
Video tape and disc rental	<1	8,203	13,483	21,735
Commercial and industrial machinery and equipment rental and leasing	<1	74,490	124,432	185,652
Lessors of nonfinancial intangible assets	<1	8,792	132,831	171,219
Legal services	7	680,567	1,154,285	1,545,191
Accounting, tax preparation, bookkeeping, and payroll services	4	298,560	370,168	533,005
Architectural, engineering, and related services	4	339,950	366,516	610,399
Specialized design services	<1	25,593	37,653	57,271
Custom computer programming services	<1	91,802	101,811	140,454
Computer systems design services	3	278,607	269,918	343,246
Other computer related services, including facilities management	1	116,192	187,269	310,832
Management consulting services	10	939,013	969,299	1,487,106
Environmental and other technical consulting services	<1	72,202	75,162	114,910
Scientific research and development services	109	9,162,742	11,923,639	23,743,452
Advertising, public relations, and related services	3	272,422	352,860	597,969
Photographic services	<1	7,028	15,313	30,441
Veterinary services	<1	27,713	32,865	52,806
Marketing research and all other miscellaneous professional, scientific, and technical services	3	206,667	336,222	633,965
Management of companies and enterprises	9	1,203,215	1,406,082	2,250,573
Office administrative services	3	198,261	93,692	211,875
Facilities support services	<1	13,880	21,347	53,860
Employment services	17	629,382	951,099	1,438,048
Business support services	5	247,660	210,842	351,059
Travel arrangement and reservation services	<1	45,174	59,963	137,289
Investigation and security services	2	82,747	81,335	121,465
Services to buildings	4	110,415	155,136	295,023
Landscape and horticultural services	5	184,594	228,475	408,284

Appendix

Other support services	2	84,628	110,449	202,676
Waste management and remediation services	<1	52,348	87,981	167,981
Elementary and secondary schools	1	50,335	42,371	49,721
Junior colleges, colleges, universities, and professional schools	10	462,894	629,577	846,415
Other educational services	2	54,881	61,828	122,667
Offices of physicians	5	620,151	654,867	889,208
Offices of dentists	2	110,323	143,237	199,194
Offices of other health practitioners	2	87,888	134,408	181,158
Outpatient care centers	2	114,325	106,666	191,155
Medical and diagnostic laboratories	<1	30,175	45,787	64,911
Home health care services	2	75,079	72,905	97,064
Other ambulatory health care services	<1	31,024	35,339	57,790
Hospitals	11	860,539	1,032,381	1,997,364
Nursing and community care facilities	4	139,134	165,658	296,988
Residential mental retardation, mental health, substance abuse and other facilities	2	61,666	69,478	111,262
Individual and family services	7	165,857	156,441	245,617
Child day care services	2	46,437	79,102	105,271
Community food, housing, and other relief services, including rehabilitation services	1	41,227	41,425	96,496
Performing arts companies	<1	18,280	37,747	56,043
Commercial Sports Except Racing	2	106,482	126,359	161,348
Racing and Track Operation	<1	2,616	4,366	6,921
Independent artists, writers, and performers	<1	8,491	57,115	66,673
Promoters of performing arts and sports and agents for public figures	<1	17,760	58,474	87,791
Museums, historical sites, zoos, and parks	<1	11,282	17,638	27,796
Amusement parks and arcades	<1	8,124	15,165	23,341
Gambling industries (except casino hotels)	1	34,582	90,895	142,952
Other amusement and recreation industries	1	27,679	31,171	62,289
Fitness and recreational sports centers	1	19,709	25,772	49,802
Bowling centers	<1	3,288	5,016	9,952

Appendix

Hotels and motels, including casino hotels	1	47,258	93,414	151,531
Other accommodations	<1	12,708	18,139	24,801
Full-service restaurants	12	288,328	418,501	757,719
Limited-service restaurants	9	180,095	287,402	670,074
All other food and drinking places	6	179,294	255,794	397,866
Automotive repair and maintenance, except car washes	4	181,924	205,069	315,593
Car washes	2	84,058	125,899	198,639
Electronic and precision equipment repair and maintenance	2	150,664	193,361	312,192
Commercial and industrial machinery and equipment repair and maintenance	1	94,496	99,769	148,760
Personal and household goods repair and maintenance	<1	22,505	41,984	62,381
Personal care services	2	73,170	64,741	87,193
Death care services	<1	18,971	12,518	18,367
Dry-cleaning and laundry services	1	46,112	28,680	39,482
Other personal services	2	51,712	62,823	93,614
Religious organizations	4	198,472	110,661	371,728
Grantmaking, giving, and social advocacy organizations	<1	34,189	113,023	176,257
Business and professional associations	<1	53,008	93,081	160,669
Labor and civic organizations	1	33,506	98,202	182,174
Private households	1	18,053	18,050	18,050
Postal service	2	134,985	135,017	144,065
Federal electric utilities	0	0	0	0
Other federal government enterprises	12	871,379	-583,547	518,534
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	5,240	6,297	13,953
Local government passenger transit	<1	32,194	-10,804	43,209
Local government electric utilities	<1	13,730	40,058	83,793
Other local government enterprises	1	100,324	227,547	429,371
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	9	1,155,787	1,846,674	4,224,689

Moon to Mars Campaign

Table 701: Detailed M2M Campaign Impacts by Types of Impact, Missouri

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	47	3,325,415	4,989,898	9,387,525
Oilseed farming	<1	-174	16,697	39,038
Grain farming	<1	430	-28	12,851
Vegetable and melon farming	<1	54	182	481
Fruit farming	<1	45	172	328
Tree nut farming	<1	31	118	213
Greenhouse, nursery, and floriculture production	<1	152	294	797
Tobacco farming	<1	3	4	11
Cotton farming	<1	87	158	434
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	160	283	915
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	26	1,026	5,287
Dairy cattle and milk production	<1	21	107	890
Poultry and egg production	<1	126	301	3,720
Animal production, except cattle and poultry and eggs	<1	389	5,333	10,597
Forestry, forest products, and timber tract production	<1	109	112	137
Commercial logging	<1	474	450	634
Commercial fishing	<1	-28	27	39
Commercial hunting and trapping	<1	4	-6	38
Support activities for agriculture and forestry	<1	2,156	1,709	2,254
Oil and gas extraction	<1	297	4	5,108

Appendix

Coal mining	<1	90	225	344
Copper, nickel, lead, and zinc mining	<1	1,842	7,250	12,213
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	25	44	77
Stone mining and quarrying	<1	270	1,141	2,270
Sand and gravel mining	<1	94	234	457
Other clay, ceramic, refractory minerals mining	<1	22	55	119
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	15	36	74
Other nonmetallic minerals	<1	39	100	222
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	5
Metal mining services	<1	12	16	163
Other nonmetallic minerals services	<1	<1	<1	9
Electric power generation - Hydroelectric	<1	817	2,314	4,378
Electric power generation - Fossil fuel	<1	3,608	12,668	31,301
Electric power generation - Nuclear	<1	1,985	4,161	7,998
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	55	404	670
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	221	135	368
Electric power transmission and distribution	<1	7,121	24,298	62,161
Natural gas distribution	<1	3,837	10,579	22,373
Water, sewage and other systems	<1	853	1,648	2,856
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	11,017	13,128	33,930
Maintenance and repair construction of residential structures	<1	4,141	5,085	12,928
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	11	28
Dog and cat food manufacturing	<1	1,573	4,276	11,271
Other animal food manufacturing	<1	499	818	5,964
Flour milling	<1	158	275	1,611
Rice milling	<1	13	20	188
Malt manufacturing	<1	5	8	66
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	149	693	5,934
Fats and oils refining and blending	<1	31	58	526
Breakfast cereal manufacturing	<1	347	779	3,224
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	11	16	83
Chocolate and confectionery manufacturing from cacao beans	<1	19	27	110
Confectionery manufacturing from purchased chocolate	<1	112	148	648
Frozen fruits, juices and vegetables manufacturing	<1	223	422	1,558
Frozen specialties manufacturing	<1	502	670	2,630
Canned fruits and vegetables manufacturing	<1	183	335	944

Appendix

Canned specialties	<1	<1	<1	2
Dehydrated food products manufacturing	<1	2	3	24
Cheese manufacturing	<1	1,030	1,425	12,647
Dry, condensed, and evaporated dairy product manufacturing	<1	278	606	3,269
Fluid milk manufacturing	<1	502	760	4,270
Creamery butter manufacturing	<1	24	93	578
Ice cream and frozen dessert manufacturing	<1	239	322	1,237
Frozen cakes and other pastries manufacturing	<1	237	321	664
Poultry processing	<1	1,285	1,608	6,646
Animal, except poultry, slaughtering	<1	729	891	6,635
Meat processed from carcasses	<1	1,643	1,578	10,403
Rendering and meat byproduct processing	<1	33	34	171
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	747	1,012	2,788
Cookie and cracker manufacturing	<1	254	366	1,262
Dry pasta, mixes, and dough manufacturing	<1	187	371	1,469
Tortilla manufacturing	<1	15	18	67
Roasted nuts and peanut butter manufacturing	<1	73	105	511
Other snack food manufacturing	<1	73	115	708
Coffee and tea manufacturing	<1	65	114	539
Flavoring syrup and concentrate manufacturing	<1	80	471	1,249
Mayonnaise, dressing, and sauce manufacturing	<1	119	207	739
Spice and extract manufacturing	<1	150	235	976
All other food manufacturing	<1	244	338	1,482
Bottled and canned soft drinks & water	<1	579	936	3,896
Manufactured ice	<1	59	37	168
Breweries	<1	1,572	3,181	6,422
Wineries	<1	258	433	2,276
Distilleries	<1	225	945	1,978
Tobacco product manufacturing	<1	359	8,919	13,364
Fiber, yarn, and thread mills	<1	<1	<1	2
Broadwoven fabric mills	<1	2	2	8
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	32	50	165
Knit fabric mills	<1	2	3	7
Textile and fabric finishing mills	<1	8	10	44
Fabric coating mills	<1	87	102	346
Carpet and rug mills	<1	25	42	127
Curtain and linen mills	<1	11	14	57
Textile bag and canvas mills	<1	94	109	309
Rope, cordage, twine, tire cord and tire fabric mills	<1	14	20	57
Other textile product mills	<1	159	187	543
Hosiery and sock mills	<1	2	4	8
Other apparel knitting mills	<1	22	26	73
Cut and sew apparel contractors	<1	32	36	74
Mens and boys cut and sew apparel manufacturing	<1	18	22	60
Womens and girls cut and sew apparel manufacturing	<1	6	9	47
Other cut and sew apparel manufacturing	<1	90	115	295
Apparel accessories and other apparel manufacturing	<1	39	51	161
Leather and hide tanning and finishing	<1	34	52	164
Footwear manufacturing	<1	71	81	222
Other leather and allied product manufacturing	<1	22	23	51
Sawmills	<1	405	467	2,088
Wood preservation	<1	26	38	184
Veneer and plywood manufacturing	<1	18	21	66
Engineered wood member and truss manufacturing	<1	77	86	275
Reconstituted wood product manufacturing	<1	1	2	8
Wood windows and door manufacturing	<1	161	178	513
Cut stock, resawing lumber, and planing	<1	116	136	447
Other millwork, including flooring	<1	379	434	1,287
Wood container and pallet manufacturing	<1	502	548	1,412
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	23	25	78
All other miscellaneous wood product manufacturing	<1	122	139	478
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	161	637	1,794
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,300	3,100	10,115
Paper bag and coated and treated paper manufacturing	<1	176	544	1,483
Stationery product manufacturing	<1	179	399	1,183
Sanitary paper product manufacturing	<1	60	354	631
All other converted paper product manufacturing	<1	468	1,008	2,206
Printing	<1	7,023	13,578	23,732
Support activities for printing	<1	478	826	1,140
Petroleum refineries	<1	100	762	4,531
Asphalt paving mixture and block manufacturing	<1	130	211	806
Asphalt shingle and coating materials manufacturing	<1	75	287	629
Petroleum lubricating oil and grease manufacturing	<1	318	1,179	2,513
All other petroleum and coal products manufacturing	<1	33	132	324
Petrochemical manufacturing	<1	66	429	1,708
Industrial gas manufacturing	<1	93	186	605
Synthetic dye and pigment manufacturing	<1	270	512	1,586
Other basic inorganic chemical manufacturing	<1	200	406	1,395
Other basic organic chemical manufacturing	<1	739	1,415	11,515
Plastics material and resin manufacturing	<1	528	823	6,207
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	79	97	335
Nitrogenous fertilizer manufacturing	<1	41	93	305
Phosphatic fertilizer manufacturing	<1	18	34	105
Fertilizer mixing	<1	21	40	124
Pesticide and other agricultural chemical manufacturing	<1	368	969	4,193
Medicinal and botanical manufacturing	<1	205	333	853
Pharmaceutical preparation manufacturing	<1	1,516	4,718	13,450
In-vitro diagnostic substance manufacturing	<1	66	91	211

Appendix

Biological product (except diagnostic) manufacturing	<1	694	1,413	2,966
Paint and coating manufacturing	<1	348	629	2,308
Adhesive manufacturing	<1	308	499	1,828
Soap and other detergent manufacturing	<1	1,736	5,071	15,645
Polish and other sanitation good manufacturing	<1	1,177	1,775	4,958
Surface active agent manufacturing	<1	57	183	490
Toilet preparation manufacturing	<1	357	1,097	3,095
Printing ink manufacturing	<1	70	75	266
Explosives manufacturing	<1	34	38	112
Custom compounding of purchased resins	<1	118	214	549
Photographic film and chemical manufacturing	<1	41	89	438
Other miscellaneous chemical product manufacturing	<1	220	356	1,480
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	831	1,266	4,869
Unlaminated plastics profile shape manufacturing	<1	198	387	1,144
Plastics pipe and pipe fitting manufacturing	<1	19,138	44,889	123,091
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10	18	59
Polystyrene foam product manufacturing	<1	102	161	615
Urethane and other foam product (except polystyrene) manufacturing	<1	161	244	1,035
Plastics bottle manufacturing	<1	162	245	1,168
Other plastics product manufacturing	<1	1,861	2,580	8,673
Tire manufacturing	<1	67	98	516
Rubber and plastics hoses and belting manufacturing	<1	193	270	850
Other rubber product manufacturing	<1	514	691	2,580
Pottery, ceramics, and plumbing fixture manufacturing	<1	48	66	143
Brick, tile, and other structural clay product manufacturing	<1	122	203	480
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	386	652	1,588
Glass container manufacturing	<1	71	110	295

Appendix

Glass product manufacturing made of purchased glass	<1	64	106	281
Cement manufacturing	<1	144	335	955
Ready-mix concrete manufacturing	<1	518	866	3,199
Concrete block and brick manufacturing	<1	127	220	579
Concrete pipe manufacturing	<1	12	21	60
Other concrete product manufacturing	<1	179	248	663
Lime manufacturing	<1	48	115	286
Gypsum product manufacturing	<1	22	56	142
Abrasive product manufacturing	<1	17	43	84
Cut stone and stone product manufacturing	<1	173	205	468
Ground or treated mineral and earth manufacturing	<1	66	175	426
Mineral wool manufacturing	<1	34	77	186
Miscellaneous nonmetallic mineral products manufacturing	<1	23	60	147
Iron and steel mills and ferroalloy manufacturing	<1	56	92	650
Iron, steel pipe and tube manufacturing from purchased steel	<1	36	53	267
Rolled steel shape manufacturing	<1	22	40	221
Steel wire drawing	<1	62	83	464
Alumina refining and primary aluminum production	<1	23	32	214
Secondary smelting and alloying of aluminum	<1	54	87	771
Aluminum sheet, plate, and foil manufacturing	<1	103	177	977
Other aluminum rolling, drawing and extruding	<1	32	42	241
Nonferrous metal (exc aluminum) smelting and refining	<1	7	23	113
Copper rolling, drawing, extruding and alloying	<1	713	967	5,774
Nonferrous metal, except copper and aluminum, shaping	<1	89	101	425
Secondary processing of other nonferrous metals	<1	11	15	118
Ferrous metal foundries	<1	23	31	99
Nonferrous metal foundries	<1	323	418	1,113
Custom roll forming	<1	19	30	213
Crown and closure manufacturing and metal stamping	<1	690	845	2,308
Iron and steel forging	<1	44	67	246

Appendix

Nonferrous forging	<1	27	38	166
Cutlery, utensil, pot, and pan manufacturing	<1	8	19	77
Handtool manufacturing	<1	61	95	218
Prefabricated metal buildings and components manufacturing	<1	62	78	314
Fabricated structural metal manufacturing	<1	246	338	1,127
Plate work manufacturing	<1	97	106	328
Metal window and door manufacturing	<1	424	551	1,602
Sheet metal work manufacturing	<1	859	1,085	2,689
Ornamental and architectural metal work manufacturing	<1	144	178	479
Power boiler and heat exchanger manufacturing	<1	9	12	33
Metal tank (heavy gauge) manufacturing	<1	136	166	488
Metal cans manufacturing	<1	68	142	721
Metal barrels, drums and pails manufacturing	<1	200	244	982
Hardware manufacturing	<1	26	39	124
Spring and wire product manufacturing	<1	190	240	804
Machine shops	<1	890	1,063	2,294
Turned product and screw, nut, and bolt manufacturing	<1	222	308	951
Metal heat treating	<1	254	348	841
Metal coating and nonprecious engraving	<1	234	380	992
Electroplating, anodizing, and coloring metal	<1	568	637	1,533
Valve and fittings, other than plumbing, manufacturing	<1	301	454	1,316
Plumbing fixture fitting and trim manufacturing	<1	51	130	575
Ball and roller bearing manufacturing	<1	151	251	583
Small arms ammunition manufacturing	<1	2,086	4,043	7,758
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	32	55	126
Fabricated pipe and pipe fitting manufacturing	<1	53	62	169
Other fabricated metal manufacturing	<1	597	758	1,922
Farm machinery and equipment manufacturing	<1	16	27	138

Appendix

Lawn and garden equipment manufacturing	<1	8	14	68
Construction machinery manufacturing	<1	2	5	15
Mining machinery and equipment manufacturing	<1	6	9	25
Oil and gas field machinery and equipment manufacturing	<1	2	3	8
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	<1	6	7	23
Printing machinery and equipment manufacturing	<1	31	34	88
All other industrial machinery manufacturing	<1	13	16	50
Optical instrument and lens manufacturing	<1	37	51	148
Photographic and photocopying equipment manufacturing	<1	<1	<1	5
Other commercial service industry machinery manufacturing	<1	107	170	533
Air purification and ventilation equipment manufacturing	<1	52	70	202
Heating equipment (except warm air furnaces) manufacturing	<1	47	70	183
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	617	1,077	3,473
Industrial mold manufacturing	<1	59	69	138
Special tool, die, jig, and fixture manufacturing	<1	115	148	285
Cutting tool and machine tool accessory manufacturing	<1	18	21	64
Machine tool manufacturing	<1	31	38	127
Rolling mill and other metalworking machinery manufacturing	<1	5	6	15
Turbine and turbine generator set units manufacturing	<1	4	5	16
Speed changer, industrial high-speed drive, and gear manufacturing	<1	66	97	309
Mechanical power transmission equipment manufacturing	<1	8	12	31
Other engine equipment manufacturing	<1	422	883	4,851

Appendix

Pump and pumping equipment manufacturing	<1	10	17	50
Air and gas compressor manufacturing	<1	3	6	24
Elevator and moving stairway manufacturing	<1	7	10	30
Conveyor and conveying equipment manufacturing	<1	11	12	30
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	12
Industrial truck, trailer, and stacker manufacturing	<1	3	4	15
Power-driven handtool manufacturing	<1	5	12	30
Welding and soldering equipment manufacturing	<1	13	19	43
Packaging machinery manufacturing	<1	14	20	54
Industrial process furnace and oven manufacturing	<1	6	7	17
Fluid power cylinder and actuator manufacturing	<1	2	2	9
Fluid power pump and motor manufacturing	<1	25	39	171
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	40	49	151
Electronic computer manufacturing	<1	1	5	14
Computer storage device manufacturing	<1	2	9	24
Computer terminals and other computer peripheral equipment manufacturing	<1	3	8	20
Telephone apparatus manufacturing	<1	2	5	21
Broadcast and wireless communications equipment manufacturing	<1	<1	1	5
Other communications equipment manufacturing	<1	114	298	718
Audio and video equipment manufacturing	<1	3	9	26
Printed circuit assembly (electronic assembly) manufacturing	<1	60	188	618
Bare printed circuit board manufacturing	<1	54	98	241
Semiconductor and related device manufacturing	<1	254	685	1,695

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	91	181	421
Electronic connector manufacturing	<1	1,230	2,793	6,310
Other electronic component manufacturing	<1	6,890	12,531	24,415
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	2
Search, detection, and navigation instruments manufacturing	<1	2	7	9
Automatic environmental control manufacturing	<1	708	1,265	2,709
Industrial process variable instruments manufacturing	<1	9	21	48
Totalizing fluid meter and counting device manufacturing	<1	2	8	13
Electricity and signal testing instruments manufacturing	<1	17	42	124
Analytical laboratory instrument manufacturing	<1	10	27	47
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	5	15	29
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	32	67	117
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	116	203	505
Small electrical appliance manufacturing	<1	32	103	300
Household cooking appliance manufacturing	<1	4	14	37
Household refrigerator and home freezer manufacturing	<1	4	14	35
Household laundry equipment manufacturing	<1	9	23	79
Other major household appliance manufacturing	<1	2	6	14
Power, distribution, and specialty transformer manufacturing	<1	48	90	204
Motor and generator manufacturing	<1	195	422	1,016
Switchgear and switchboard apparatus manufacturing	<1	94	208	478

Appendix

Relay and industrial control manufacturing	<1	48	79	191
Storage battery manufacturing	<1	542	908	2,350
Primary battery manufacturing	<1	374	2,023	1,568
Fiber optic cable manufacturing	<1	56	77	347
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	1,065	2,720	6,003
Carbon and graphite product manufacturing	<1	40	88	256
All other miscellaneous electrical equipment and component manufacturing	<1	42,541	54,491	179,729
Automobile manufacturing	<1	58	168	792
Light truck and utility vehicle manufacturing	<1	551	950	9,380
Heavy duty truck manufacturing	<1	2	4	19
Motor vehicle body manufacturing	<1	7	9	41
Truck trailer manufacturing	<1	1	1	6
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	177	193	1,019
Motor vehicle gasoline engine and engine parts manufacturing	<1	140	190	1,577
Motor vehicle electrical and electronic equipment manufacturing	<1	323	388	2,223
Motor vehicle transmission and power train parts manufacturing	<1	525	741	3,579
Motor vehicle seating and interior trim manufacturing	<1	149	169	968
Motor vehicle metal stamping	<1	250	294	1,394
Other motor vehicle parts manufacturing	<1	541	621	3,708
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	253	375	1,644
Aircraft manufacturing	<1	24	19	119
Aircraft engine and engine parts manufacturing	<1	55	43	295
Other aircraft parts and auxiliary equipment manufacturing	<1	106	94	306
Guided missile and space vehicle manufacturing	<1	9	9	24
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	2

Appendix

Railroad rolling stock manufacturing	<1	7	7	36
Ship building and repairing	<1	29	29	94
Boat building	<1	429	446	2,517
Motorcycle, bicycle, and parts manufacturing	<1	146	98	706
Military armored vehicle, tank, and tank component manufacturing	<1	73	60	266
All other transportation equipment manufacturing	<1	257	266	2,161
Wood kitchen cabinet and countertop manufacturing	<1	339	410	1,020
Upholstered household furniture manufacturing	<1	199	225	746
Nonupholstered wood household furniture manufacturing	<1	43	48	123
Other household nonupholstered furniture manufacturing	<1	6	9	33
Institutional furniture manufacturing	<1	3	3	9
Wood office furniture manufacturing	<1	<1	<1	3
Custom architectural woodwork and millwork	<1	11	11	34
Office furniture, except wood, manufacturing	<1	5	7	22
Showcase, partition, shelving, and locker manufacturing	<1	77	97	289
Mattress manufacturing	<1	8	12	58
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	102	187	380
Surgical appliance and supplies manufacturing	<1	195	396	822
Dental equipment and supplies manufacturing	<1	10	18	41
Ophthalmic goods manufacturing	<1	99	209	360
Dental laboratories	<1	152	158	265
Jewelry and silverware manufacturing	<1	116	182	479
Sporting and athletic goods manufacturing	<1	162	235	648
Doll, toy, and game manufacturing	<1	43	76	243
Office supplies (except paper) manufacturing	<1	144	216	475
Sign manufacturing	<1	305	301	649
Gasket, packing, and sealing device manufacturing	<1	147	187	395

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Musical instrument manufacturing	<1	24	27	60
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	74	152	339
Burial casket manufacturing	<1	16	21	43
All other miscellaneous manufacturing	<1	287	393	949
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,382	5,216	11,270
Wholesale - Professional and commercial equipment and supplies	<1	12,499	19,078	32,530
Wholesale - Household appliances and electrical and electronic goods	<1	6,834	15,374	33,000
Wholesale - Machinery, equipment, and supplies	<1	5,885	10,557	18,124
Wholesale - Other durable goods merchant wholesalers	<1	9,311	15,462	30,233
Wholesale - Drugs and druggists' sundries	<1	5,812	16,189	29,881
Wholesale - Grocery and related product wholesalers	<1	6,378	8,476	16,345
Wholesale - Petroleum and petroleum products	<1	1,155	15,838	18,612
Wholesale - Other nondurable goods merchant wholesalers	<1	15,906	32,072	58,846
Wholesale - Wholesale electronic markets and agents and brokers	<1	11,217	11,601	13,443
Retail - Motor vehicle and parts dealers	<1	8,919	13,308	20,419
Retail - Furniture and home furnishings stores	<1	4,134	5,191	8,882
Retail - Electronics and appliance stores	<1	4,491	4,384	7,628
Retail - Building material and garden equipment and supplies stores	<1	5,518	9,518	14,736
Retail - Food and beverage stores	<1	11,268	14,834	26,311
Retail - Health and personal care stores	<1	9,403	11,492	18,064
Retail - Gasoline stores	<1	4,747	7,256	14,443
Retail - Clothing and clothing accessories stores	<1	5,524	7,765	16,441
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,654	4,598	7,857
Retail - General merchandise stores	<1	13,916	18,823	32,602

Appendix

Retail - Miscellaneous store retailers	<1	6,021	7,223	13,300
Retail - Nonstore retailers	<1	7,483	31,039	60,160
Air transportation	<1	5,351	15,402	25,408
Rail transportation	<1	2,971	7,104	11,934
Water transportation	<1	1,231	1,939	6,405
Truck transportation	<1	19,963	24,983	49,014
Transit and ground passenger transportation	<1	7,725	10,386	13,830
Pipeline transportation	<1	809	1,915	2,409
Scenic and sightseeing transportation and support activities for transportation	<1	14,038	15,932	34,981
Couriers and messengers	<1	6,478	9,682	16,420
Warehousing and storage	<1	9,583	11,205	20,909
Newspaper publishers	<1	1,923	3,667	4,672
Periodical publishers	<1	2,478	4,329	6,213
Book publishers	<1	292	1,063	1,886
Directory, mailing list, and other publishers	<1	669	2,252	3,306
Greeting card publishing	<1	134	456	547
Software publishers	<1	5,066	13,497	15,216
Motion picture and video industries	<1	2,440	4,558	11,531
Sound recording industries	<1	151	1,060	2,129
Radio and television broadcasting	<1	9,150	10,320	23,860
Cable and other subscription programming	<1	5,962	19,348	56,073
Wired telecommunications carriers	<1	10,261	21,619	40,934
Wireless telecommunications carriers (except satellite)	<1	1,766	12,475	37,865
Satellite, telecommunications resellers, and all other telecommunications	<1	1,066	1,753	6,750
Data processing, hosting, and related services	<1	24,592	45,357	83,028
News syndicates, libraries, archives and all other information services	<1	613	1,146	2,659
Internet publishing and broadcasting and web search portals	<1	2,021	4,713	19,203
Nondepository credit intermediation and related activities	<1	15,212	20,008	32,498
Securities and commodity contracts intermediation and brokerage	<1	55,474	50,838	67,553

Appendix

Monetary authorities and depository credit intermediation	<1	52,364	149,555	240,889
Other financial investment activities	<1	25,296	30,479	52,213
Direct life insurance carriers	<1	5,423	10,534	14,894
Insurance carriers, except direct life	<1	19,758	62,986	129,327
Insurance agencies, brokerages, and related activities	<1	23,554	37,002	79,870
Funds, trusts, and other financial vehicles	<1	3,056	3,393	25,304
Other real estate	2	38,336	145,626	403,611
Tenant-occupied housing	<1	3,003	46,605	55,082
Owner-occupied dwellings	0	0	192,854	244,819
Automotive equipment rental and leasing	<1	8,009	11,990	16,726
General and consumer goods rental except video tapes and discs	<1	4,630	5,239	8,023
Video tape and disc rental	<1	824	1,340	2,152
Commercial and industrial machinery and equipment rental and leasing	<1	5,054	7,789	11,423
Lessors of nonfinancial intangible assets	<1	660	10,239	13,120
Legal services	<1	65,907	113,407	149,596
Accounting, tax preparation, bookkeeping, and payroll services	<1	31,181	39,780	55,725
Architectural, engineering, and related services	<1	32,159	35,160	57,767
Specialized design services	<1	2,703	4,141	6,087
Custom computer programming services	<1	6,363	7,002	9,535
Computer systems design services	<1	20,312	19,698	24,778
Other computer related services, including facilities management	<1	8,598	13,727	22,344
Management consulting services	4	391,058	406,328	604,927
Environmental and other technical consulting services	<1	7,177	7,563	11,423
Scientific research and development services	11	984,964	1,270,829	2,466,140
Advertising, public relations, and related services	<1	24,556	32,456	52,690
Photographic services	<1	740	1,738	3,281
Veterinary services	<1	2,805	3,409	5,358
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	22,083	37,351	68,096

Appendix

Management of companies and enterprises	<1	125,523	147,558	232,006
Office administrative services	<1	21,294	10,774	22,427
Facilities support services	<1	1,420	2,191	5,191
Employment services	1	56,377	86,789	126,073
Business support services	<1	14,638	12,663	20,337
Travel arrangement and reservation services	<1	4,881	6,521	14,796
Investigation and security services	<1	7,906	7,815	11,334
Services to buildings	<1	11,106	15,869	28,959
Landscape and horticultural services	<1	8,093	10,101	17,651
Other support services	<1	5,738	7,551	13,589
Waste management and remediation services	<1	5,107	8,575	16,203
Elementary and secondary schools	<1	6,285	5,299	6,142
Junior colleges, colleges, universities, and professional schools	<1	19,736	26,811	34,610
Other educational services	<1	4,585	5,212	9,966
Offices of physicians	<1	63,044	66,888	90,787
Offices of dentists	<1	11,349	14,961	20,595
Offices of other health practitioners	<1	8,821	13,797	18,434
Outpatient care centers	<1	11,939	11,214	20,297
Medical and diagnostic laboratories	<1	3,165	4,908	6,857
Home health care services	<1	7,690	7,502	10,059
Other ambulatory health care services	<1	3,212	3,691	5,986
Hospitals	1	98,903	117,797	226,741
Nursing and community care facilities	<1	14,764	17,594	30,942
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,212	8,142	12,835
Individual and family services	<1	17,991	17,130	26,616
Child day care services	<1	5,033	8,685	11,370
Community food, housing, and other relief services, including rehabilitation services	<1	4,811	4,851	11,063
Performing arts companies	<1	2,150	4,372	6,059
Commercial Sports Except Racing	<1	9,147	10,534	13,315
Racing and Track Operation	<1	295	493	709
Independent artists, writers, and performers	<1	870	5,450	6,232

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,915	6,147	8,747
Museums, historical sites, zoos, and parks	<1	1,172	1,831	2,838
Amusement parks and arcades	<1	935	1,566	2,410
Gambling industries (except casino hotels)	<1	3,758	9,627	14,945
Other amusement and recreation industries	<1	2,770	2,995	5,923
Fitness and recreational sports centers	<1	2,090	2,602	4,978
Bowling centers	<1	332	493	967
Hotels and motels, including casino hotels	<1	4,720	9,191	14,732
Other accommodations	<1	1,749	2,480	3,347
Full-service restaurants	1	27,028	39,656	70,493
Limited-service restaurants	<1	18,577	29,869	67,808
All other food and drinking places	<1	20,283	28,953	44,051
Automotive repair and maintenance, except car washes	<1	18,048	19,652	30,235
Car washes	<1	8,442	12,584	19,750
Electronic and precision equipment repair and maintenance	<1	4,014	5,184	8,187
Commercial and industrial machinery and equipment repair and maintenance	<1	7,567	7,856	11,581
Personal and household goods repair and maintenance	<1	2,232	4,057	6,015
Personal care services	<1	7,947	6,798	9,180
Death care services	<1	2,258	1,293	1,963
Dry-cleaning and laundry services	<1	5,052	2,728	3,890
Other personal services	<1	5,467	6,569	9,720
Religious organizations	<1	21,928	10,617	39,448
Grantmaking, giving, and social advocacy organizations	<1	4,131	12,776	20,008
Business and professional associations	<1	5,118	8,554	14,596
Labor and civic organizations	<1	3,950	10,897	20,569
Private households	<1	2,004	2,004	2,004
Postal service	<1	12,311	12,316	13,126
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	719	-529	345
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	297	356	740
Local government passenger transit	<1	3,273	-1,140	3,469
Local government electric utilities	<1	1,083	2,998	6,220
Other local government enterprises	<1	9,314	20,052	37,753
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	214,847	373,654	854,819

Investments in Climate Change Research and Technology

Table 702: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Missouri

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>106</i>	<i>6,726,514</i>	<i>10,922,106</i>	<i>21,720,849</i>
Oilseed farming	<1	-332	18,745	36,778
Grain farming	<1	971	-49	28,996
Vegetable and melon farming	<1	110	368	982
Fruit farming	<1	75	294	561
Tree nut farming	<1	37	141	258
Greenhouse, nursery, and floriculture production	<1	335	649	1,820
Tobacco farming	<1	2	4	9
Cotton farming	<1	491	876	2,442
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	462	789	2,665
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	55	2,795	15,863

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Dairy cattle and milk production	<1	34	195	1,755
Poultry and egg production	<1	388	815	12,189
Animal production, except cattle and poultry and eggs	<1	1,372	14,178	26,758
Forestry, forest products, and timber tract production	<1	209	216	277
Commercial logging	<1	2,843	2,723	4,068
Commercial fishing	<1	-54	88	122
Commercial hunting and trapping	<1	5	-16	94
Support activities for agriculture and forestry	<1	4,891	3,918	5,155
Oil and gas extraction	<1	1,444	16	19,042
Coal mining	<1	566	1,930	2,861
Copper, nickel, lead, and zinc mining	<1	10,485	35,973	65,173
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	41	76	133
Stone mining and quarrying	<1	713	4,253	7,941
Sand and gravel mining	<1	432	1,275	2,527
Other clay, ceramic, refractory minerals mining	<1	100	291	580
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	30	105	221
Other nonmetallic minerals	<1	51	149	338
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	4	3	17
Metal mining services	<1	36	43	409
Other nonmetallic minerals services	<1	3	2	43
Electric power generation - Hydroelectric	<1	2,227	5,992	11,462
Electric power generation - Fossil fuel	<1	6,803	26,019	72,235
Electric power generation - Nuclear	<1	5,098	10,700	22,347
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	230	1,637	2,935
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	329	201	679
Electric power transmission and distribution	<1	17,733	62,497	171,434
Natural gas distribution	<1	7,009	18,576	42,309
Water, sewage and other systems	<1	2,364	4,653	8,724
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	25,774	30,648	82,371
Maintenance and repair construction of residential structures	<1	8,283	10,127	26,741
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	19	23	59
Dog and cat food manufacturing	<1	3,766	9,610	26,998
Other animal food manufacturing	<1	1,090	1,669	13,219
Flour milling	<1	449	793	4,613
Rice milling	<1	23	37	332
Malt manufacturing	<1	16	28	233
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	268	1,263	11,127
Fats and oils refining and blending	<1	52	94	899
Breakfast cereal manufacturing	<1	758	1,645	7,432
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	17	25	138
Chocolate and confectionery manufacturing from cacao beans	<1	21	29	124
Confectionery manufacturing from purchased chocolate	<1	242	319	1,502
Frozen fruits, juices and vegetables manufacturing	<1	388	706	3,036
Frozen specialties manufacturing	<1	990	1,336	5,418
Canned fruits and vegetables manufacturing	<1	254	465	1,352
Canned specialties	<1	<1	<1	5
Dehydrated food products manufacturing	<1	3	5	34
Cheese manufacturing	<1	1,632	2,265	19,932
Dry, condensed, and evaporated dairy product manufacturing	<1	489	1,052	6,591
Fluid milk manufacturing	<1	997	1,476	8,648
Creamery butter manufacturing	<1	53	224	1,427
Ice cream and frozen dessert manufacturing	<1	487	633	2,755
Frozen cakes and other pastries manufacturing	<1	484	662	1,408
Poultry processing	<1	4,479	5,309	23,104
Animal, except poultry, slaughtering	<1	2,130	2,569	19,586
Meat processed from carcasses	<1	3,248	3,068	20,915
Rendering and meat byproduct processing	<1	66	66	350
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,569	2,131	5,983
Cookie and cracker manufacturing	<1	424	573	2,280
Dry pasta, mixes, and dough manufacturing	<1	357	716	2,683
Tortilla manufacturing	<1	33	40	157
Roasted nuts and peanut butter manufacturing	<1	127	172	925
Other snack food manufacturing	<1	153	246	1,527
Coffee and tea manufacturing	<1	147	249	1,207
Flavoring syrup and concentrate manufacturing	<1	118	747	1,933
Mayonnaise, dressing, and sauce manufacturing	<1	216	390	1,460
Spice and extract manufacturing	<1	212	321	1,460
All other food manufacturing	<1	385	537	2,494

Appendix

Bottled and canned soft drinks & water	<1	1,347	2,124	9,215
Manufactured ice	<1	125	73	391
Breweries	<1	3,420	6,515	13,562
Wineries	<1	329	550	3,099
Distilleries	<1	499	1,898	4,309
Tobacco product manufacturing	<1	680	12,489	21,235
Fiber, yarn, and thread mills	<1	<1	<1	5
Broadwoven fabric mills	<1	5	6	23
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	51	76	281
Knit fabric mills	<1	2	3	7
Textile and fabric finishing mills	<1	7	9	42
Fabric coating mills	<1	95	117	436
Carpet and rug mills	<1	46	64	250
Curtain and linen mills	<1	20	24	108
Textile bag and canvas mills	<1	181	205	621
Rope, cordage, twine, tire cord and tire fabric mills	<1	55	71	226
Other textile product mills	<1	331	381	1,207
Hosiery and sock mills	<1	5	8	21
Other apparel knitting mills	<1	31	38	113
Cut and sew apparel contractors	<1	38	43	93
Mens and boys cut and sew apparel manufacturing	<1	30	36	111
Womens and girls cut and sew apparel manufacturing	<1	6	10	55
Other cut and sew apparel manufacturing	<1	126	162	457
Apparel accessories and other apparel manufacturing	<1	56	73	268
Leather and hide tanning and finishing	<1	84	114	397
Footwear manufacturing	<1	198	216	706
Other leather and allied product manufacturing	<1	34	36	86
Sawmills	<1	2,817	3,137	14,081
Wood preservation	<1	195	270	1,297
Veneer and plywood manufacturing	<1	345	374	1,174
Engineered wood member and truss manufacturing	<1	1,299	1,428	4,660
Reconstituted wood product manufacturing	<1	25	31	123
Wood windows and door manufacturing	<1	1,627	1,790	5,271

Appendix

Cut stock, resawing lumber, and planing	<1	757	879	2,929
Other millwork, including flooring	<1	3,301	3,768	11,808
Wood container and pallet manufacturing	<1	1,459	1,578	4,206
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	95	104	304
All other miscellaneous wood product manufacturing	<1	569	621	2,406
Pulp mills	0	0	0	0
Paper mills	<1	606	2,872	7,067
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	2,934	7,111	23,549
Paper bag and coated and treated paper manufacturing	<1	479	1,592	4,426
Stationery product manufacturing	<1	456	1,062	3,328
Sanitary paper product manufacturing	<1	180	1,148	1,882
All other converted paper product manufacturing	<1	1,704	3,760	7,731
Printing	<1	17,018	31,013	61,191
Support activities for printing	<1	895	1,527	2,187
Petroleum refineries	<1	353	2,571	15,429
Asphalt paving mixture and block manufacturing	<1	425	683	2,758
Asphalt shingle and coating materials manufacturing	<1	220	808	1,785
Petroleum lubricating oil and grease manufacturing	<1	647	2,364	5,278
All other petroleum and coal products manufacturing	<1	136	618	1,538
Petrochemical manufacturing	<1	599	4,129	17,835
Industrial gas manufacturing	<1	304	588	1,924
Synthetic dye and pigment manufacturing	<1	466	830	2,362
Other basic inorganic chemical manufacturing	<1	613	1,095	3,919
Other basic organic chemical manufacturing	<1	2,796	5,243	37,851
Plastics material and resin manufacturing	<1	712	1,056	7,254
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	84	107	364

Appendix

Nitrogenous fertilizer manufacturing	<1	71	151	549
Phosphatic fertilizer manufacturing	<1	50	86	276
Fertilizer mixing	<1	49	84	274
Pesticide and other agricultural chemical manufacturing	<1	1,344	3,444	14,304
Medicinal and botanical manufacturing	<1	248	381	1,094
Pharmaceutical preparation manufacturing	<1	1,982	5,743	17,896
In-vitro diagnostic substance manufacturing	<1	54	72	168
Biological product (except diagnostic) manufacturing	<1	584	1,105	2,548
Paint and coating manufacturing	<1	1,773	3,008	11,147
Adhesive manufacturing	<1	986	1,491	6,070
Soap and other detergent manufacturing	<1	2,599	6,709	27,123
Polish and other sanitation good manufacturing	<1	3,272	4,662	14,557
Surface active agent manufacturing	<1	119	332	1,014
Toilet preparation manufacturing	<1	529	1,497	4,483
Printing ink manufacturing	<1	123	131	462
Explosives manufacturing	<1	187	206	604
Custom compounding of purchased resins	<1	143	224	654
Photographic film and chemical manufacturing	<1	70	148	760
Other miscellaneous chemical product manufacturing	<1	1,375	2,100	8,445
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,181	1,840	7,235
Unlaminated plastics profile shape manufacturing	<1	565	1,122	3,464
Plastics pipe and pipe fitting manufacturing	<1	113	272	716
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	26	45	148
Polystyrene foam product manufacturing	<1	284	455	1,732
Urethane and other foam product (except polystyrene) manufacturing	<1	390	598	2,596
Plastics bottle manufacturing	<1	321	489	2,484
Other plastics product manufacturing	<1	5,254	7,256	25,914

Appendix

Tire manufacturing	<1	208	304	1,591
Rubber and plastics hoses and belting manufacturing	<1	509	725	2,274
Other rubber product manufacturing	<1	771	1,047	3,730
Pottery, ceramics, and plumbing fixture manufacturing	<1	155	225	456
Brick, tile, and other structural clay product manufacturing	<1	730	1,277	2,831
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	664	1,188	2,842
Glass container manufacturing	<1	150	245	625
Glass product manufacturing made of purchased glass	<1	145	253	648
Cement manufacturing	<1	1,551	3,857	10,621
Ready-mix concrete manufacturing	<1	5,934	10,294	37,160
Concrete block and brick manufacturing	<1	686	1,283	3,195
Concrete pipe manufacturing	<1	68	118	320
Other concrete product manufacturing	<1	1,579	2,264	5,841
Lime manufacturing	<1	270	629	1,551
Gypsum product manufacturing	<1	49	138	332
Abrasive product manufacturing	<1	44	127	239
Cut stone and stone product manufacturing	<1	414	495	1,133
Ground or treated mineral and earth manufacturing	<1	456	1,278	3,021
Mineral wool manufacturing	<1	78	183	446
Miscellaneous nonmetallic mineral products manufacturing	<1	52	157	381
Iron and steel mills and ferroalloy manufacturing	<1	125	237	1,422
Iron, steel pipe and tube manufacturing from purchased steel	<1	76	130	623
Rolled steel shape manufacturing	<1	82	165	748
Steel wire drawing	<1	312	451	2,352
Alumina refining and primary aluminum production	<1	29	45	313
Secondary smelting and alloying of aluminum	<1	85	153	1,326
Aluminum sheet, plate, and foil manufacturing	<1	392	775	3,580
Other aluminum rolling, drawing and extruding	<1	83	122	659

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	32	125	524
Copper rolling, drawing, extruding and alloying	<1	1,199	1,722	10,916
Nonferrous metal, except copper and aluminum, shaping	<1	27	33	126
Secondary processing of other nonferrous metals	<1	14	28	174
Ferrous metal foundries	<1	59	90	261
Nonferrous metal foundries	<1	509	710	1,850
Custom roll forming	<1	95	157	1,089
Crown and closure manufacturing and metal stamping	<1	698	863	2,457
Iron and steel forging	<1	49	75	279
Nonferrous forging	<1	25	35	159
Cutlery, utensil, pot, and pan manufacturing	<1	12	29	122
Handtool manufacturing	0	-681	-1,174	-2,764
Prefabricated metal buildings and components manufacturing	<1	145	204	769
Fabricated structural metal manufacturing	<1	863	1,232	4,115
Plate work manufacturing	<1	259	281	894
Metal window and door manufacturing	<1	3,338	4,426	13,139
Sheet metal work manufacturing	<1	1,443	1,855	4,749
Ornamental and architectural metal work manufacturing	<1	1,545	1,958	5,443
Power boiler and heat exchanger manufacturing	<1	15	20	54
Metal tank (heavy gauge) manufacturing	<1	283	352	1,076
Metal cans manufacturing	<1	111	236	1,210
Metal barrels, drums and pails manufacturing	<1	198	241	1,044
Hardware manufacturing	<1	65	99	325
Spring and wire product manufacturing	<1	365	485	1,572
Machine shops	<1	931	1,122	2,486
Turned product and screw, nut, and bolt manufacturing	<1	227	323	1,026
Metal heat treating	<1	278	388	934
Metal coating and nonprecious engraving	<1	263	439	1,130
Electroplating, anodizing, and coloring metal	<1	593	670	1,620
Valve and fittings, other than plumbing, manufacturing	<1	1,122	1,697	4,966

Appendix

Plumbing fixture fitting and trim manufacturing	<1	442	1,135	5,194
Ball and roller bearing manufacturing	<1	144	250	602
Small arms ammunition manufacturing	<1	4,434	8,391	17,560
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	55	95	240
Fabricated pipe and pipe fitting manufacturing	<1	196	238	629
Other fabricated metal manufacturing	<1	8,749	11,114	28,936
Farm machinery and equipment manufacturing	<1	21	36	180
Lawn and garden equipment manufacturing	<1	11	17	96
Construction machinery manufacturing	<1	8	15	53
Mining machinery and equipment manufacturing	<1	32	47	133
Oil and gas field machinery and equipment manufacturing	<1	11	16	41
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	3	4	12
Sawmill, woodworking, and paper machinery	<1	10	11	40
Printing machinery and equipment manufacturing	<1	47	51	139
All other industrial machinery manufacturing	<1	10	13	41
Optical instrument and lens manufacturing	<1	9	11	37
Photographic and photocopying equipment manufacturing	<1	<1	<1	5
Other commercial service industry machinery manufacturing	<1	220	324	1,049
Air purification and ventilation equipment manufacturing	<1	115	145	429
Heating equipment (except warm air furnaces) manufacturing	<1	130	182	542
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,485	5,701	20,073
Industrial mold manufacturing	<1	94	106	222
Special tool, die, jig, and fixture manufacturing	<1	117	146	297

Appendix

Cutting tool and machine tool accessory manufacturing	<1	11	13	40
Machine tool manufacturing	<1	40	48	164
Rolling mill and other metalworking machinery manufacturing	<1	9	10	26
Turbine and turbine generator set units manufacturing	<1	5	6	24
Speed changer, industrial high-speed drive, and gear manufacturing	<1	156	216	788
Mechanical power transmission equipment manufacturing	<1	18	27	73
Other engine equipment manufacturing	<1	650	1,215	8,753
Pump and pumping equipment manufacturing	<1	17	27	83
Air and gas compressor manufacturing	<1	11	17	65
Elevator and moving stairway manufacturing	<1	20	26	83
Conveyor and conveying equipment manufacturing	<1	22	24	64
Overhead cranes, hoists, and monorail systems manufacturing	<1	6	10	32
Industrial truck, trailer, and stacker manufacturing	<1	7	10	39
Power-driven handtool manufacturing	<1	4	8	23
Welding and soldering equipment manufacturing	<1	36	48	130
Packaging machinery manufacturing	<1	15	20	57
Industrial process furnace and oven manufacturing	<1	12	14	37
Fluid power cylinder and actuator manufacturing	<1	4	6	24
Fluid power pump and motor manufacturing	<1	23	33	154
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	76	89	296
Electronic computer manufacturing	<1	2	6	18
Computer storage device manufacturing	<1	3	15	41
Computer terminals and other computer peripheral equipment manufacturing	<1	5	13	32
Telephone apparatus manufacturing	<1	11	31	129

Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	5	20
Other communications equipment manufacturing	<1	1,134	3,181	6,952
Audio and video equipment manufacturing	<1	3	9	28
Printed circuit assembly (electronic assembly) manufacturing	<1	20	65	215
Bare printed circuit board manufacturing	<1	32	58	129
Semiconductor and related device manufacturing	<1	102	300	824
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	369	733	1,776
Electronic connector manufacturing	<1	421	985	2,233
Other electronic component manufacturing	<1	1,469	2,756	5,374
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	3
Search, detection, and navigation instruments manufacturing	<1	<1	2	3
Automatic environmental control manufacturing	<1	715	1,297	2,837
Industrial process variable instruments manufacturing	<1	18	45	102
Totalizing fluid meter and counting device manufacturing	<1	6	25	43
Electricity and signal testing instruments manufacturing	<1	7	18	53
Analytical laboratory instrument manufacturing	<1	5,054	14,275	22,632
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	4	14	27
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	60	127	260
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	119	211	545
Small electrical appliance manufacturing	<1	72	211	695

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Household cooking appliance manufacturing	<1	9	25	69
Household refrigerator and home freezer manufacturing	<1	8	25	67
Household laundry equipment manufacturing	<1	18	40	146
Other major household appliance manufacturing	<1	3	11	26
Power, distribution, and specialty transformer manufacturing	<1	86	156	390
Motor and generator manufacturing	<1	345	717	1,766
Switchgear and switchboard apparatus manufacturing	<1	332	686	1,717
Relay and industrial control manufacturing	<1	60	96	243
Storage battery manufacturing	<1	815	1,402	3,788
Primary battery manufacturing	<1	653	1,909	2,702
Fiber optic cable manufacturing	<1	95	130	669
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	2,029	4,966	12,181
Carbon and graphite product manufacturing	<1	67	140	409
All other miscellaneous electrical equipment and component manufacturing	<1	4	5	19
Automobile manufacturing	<1	141	439	2,067
Light truck and utility vehicle manufacturing	<1	4,104	10,193	68,172
Heavy duty truck manufacturing	<1	6	13	67
Motor vehicle body manufacturing	<1	22	29	121
Truck trailer manufacturing	<1	4	5	23
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	546	615	3,181
Motor vehicle gasoline engine and engine parts manufacturing	<1	294	445	3,410
Motor vehicle electrical and electronic equipment manufacturing	<1	811	1,098	6,991
Motor vehicle transmission and power train parts manufacturing	<1	608	907	5,234
Motor vehicle seating and interior trim manufacturing	<1	718	875	4,793
Motor vehicle metal stamping	<1	772	953	4,693
Other motor vehicle parts manufacturing	<1	1,420	1,998	9,994

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	597	937	4,198
Aircraft manufacturing	<1	78	64	380
Aircraft engine and engine parts manufacturing	<1	4	4	28
Other aircraft parts and auxiliary equipment manufacturing	<1	41	39	129
Guided missile and space vehicle manufacturing	<1	14	13	37
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	<1	<1	<1
Railroad rolling stock manufacturing	<1	19	18	105
Ship building and repairing	<1	62	61	200
Boat building	<1	1,320	1,365	7,924
Motorcycle, bicycle, and parts manufacturing	<1	195	128	964
Military armored vehicle, tank, and tank component manufacturing	<1	147	120	663
All other transportation equipment manufacturing	<1	469	453	3,943
Wood kitchen cabinet and countertop manufacturing	<1	2,820	3,739	9,116
Upholstered household furniture manufacturing	<1	275	312	1,041
Nonupholstered wood household furniture manufacturing	<1	88	102	261
Other household nonupholstered furniture manufacturing	<1	9	13	50
Institutional furniture manufacturing	<1	620	674	2,175
Wood office furniture manufacturing	<1	1	2	6
Custom architectural woodwork and millwork	<1	66	63	206
Office furniture, except wood, manufacturing	<1	8	13	40
Showcase, partition, shelving, and locker manufacturing	<1	189	264	777
Mattress manufacturing	<1	16	26	126
Blind and shade manufacturing	<1	<1	<1	2
Surgical and medical instrument manufacturing	<1	193	343	766
Surgical appliance and supplies manufacturing	<1	276	533	1,207
Dental equipment and supplies manufacturing	<1	16	27	65

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Ophthalmic goods manufacturing	<1	175	346	637
Dental laboratories	<1	234	243	413
Jewelry and silverware manufacturing	<1	261	399	1,075
Sporting and athletic goods manufacturing	<1	314	448	1,357
Doll, toy, and game manufacturing	<1	82	131	451
Office supplies (except paper) manufacturing	<1	676	973	2,445
Sign manufacturing	<1	1,360	1,274	2,850
Gasket, packing, and sealing device manufacturing	<1	394	494	1,088
Musical instrument manufacturing	<1	23	25	60
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	123	191	570
Burial casket manufacturing	<1	67	84	196
All other miscellaneous manufacturing	<1	613	816	2,122
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,007	11,054	23,761
Wholesale - Professional and commercial equipment and supplies	<1	19,946	30,599	53,022
Wholesale - Household appliances and electrical and electronic goods	<1	12,262	28,651	62,104
Wholesale - Machinery, equipment, and supplies	<1	14,583	26,684	45,688
Wholesale - Other durable goods merchant wholesalers	<1	30,837	51,538	101,165
Wholesale - Drugs and druggists' sundries	<1	11,325	32,536	61,192
Wholesale - Grocery and related product wholesalers	<1	14,083	18,909	36,784
Wholesale - Petroleum and petroleum products	<1	4,387	42,009	50,909
Wholesale - Other nondurable goods merchant wholesalers	<1	32,133	61,671	117,321
Wholesale - Wholesale electronic markets and agents and brokers	<1	23,920	24,744	28,808
Retail - Motor vehicle and parts dealers	<1	19,827	29,548	45,809
Retail - Furniture and home furnishings stores	<1	8,795	11,039	19,289
Retail - Electronics and appliance stores	<1	9,807	9,356	16,770

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Retail - Building material and garden equipment and supplies stores	<1	11,944	20,649	32,259
Retail - Food and beverage stores	<1	21,862	29,157	53,066
Retail - Health and personal care stores	<1	20,537	24,981	39,518
Retail - Gasoline stores	<1	10,596	17,261	36,479
Retail - Clothing and clothing accessories stores	<1	11,248	16,123	35,637
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,825	9,861	17,351
Retail - General merchandise stores	1	32,553	43,656	76,020
Retail - Miscellaneous store retailers	<1	12,207	14,808	28,568
Retail - Nonstore retailers	<1	15,580	60,915	122,331
Air transportation	<1	17,518	47,247	80,714
Rail transportation	<1	7,104	20,394	31,583
Water transportation	<1	1,843	2,864	10,069
Truck transportation	1	72,584	92,977	186,745
Transit and ground passenger transportation	<1	16,585	21,916	31,681
Pipeline transportation	<1	4,261	7,525	9,431
Scenic and sightseeing transportation and support activities for transportation	<1	39,453	44,591	96,746
Couriers and messengers	<1	32,694	48,525	83,703
Warehousing and storage	<1	33,513	39,146	74,499
Newspaper publishers	<1	6,140	11,486	14,948
Periodical publishers	<1	4,700	8,057	12,481
Book publishers	<1	640	2,315	4,212
Directory, mailing list, and other publishers	<1	2,227	7,019	10,409
Greeting card publishing	<1	199	621	795
Software publishers	<1	17,575	45,342	51,428
Motion picture and video industries	<1	7,330	13,513	40,909
Sound recording industries	<1	334	2,147	4,817
Radio and television broadcasting	<1	29,391	36,057	119,376
Cable and other subscription programming	<1	13,386	68,036	252,972
Wired telecommunications carriers	<1	31,838	70,813	138,090
Wireless telecommunications carriers (except satellite)	<1	6,010	40,799	129,427

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	3,720	6,461	27,106
Data processing, hosting, and related services	9	1,203,756	2,258,408	5,053,546
News syndicates, libraries, archives and all other information services	<1	1,036	1,862	4,789
Internet publishing and broadcasting and web search portals	<1	3,656	8,636	52,820
Nondepository credit intermediation and related activities	<1	30,387	39,101	68,022
Securities and commodity contracts intermediation and brokerage	<1	98,485	93,840	149,186
Monetary authorities and depository credit intermediation	1	130,491	345,648	588,453
Other financial investment activities	<1	35,644	44,690	93,697
Direct life insurance carriers	<1	13,130	24,102	36,313
Insurance carriers, except direct life	<1	44,686	130,907	293,953
Insurance agencies, brokerages, and related activities	<1	56,239	86,071	194,741
Funds, trusts, and other financial vehicles	<1	5,573	5,971	53,315
Other real estate	5	69,613	274,241	850,053
Tenant-occupied housing	<1	5,778	82,174	100,664
Owner-occupied dwellings	0	0	352,872	447,956
Automotive equipment rental and leasing	<1	14,723	29,194	43,422
General and consumer goods rental except video tapes and discs	<1	9,978	12,453	20,433
Video tape and disc rental	<1	1,717	2,866	4,633
Commercial and industrial machinery and equipment rental and leasing	<1	14,821	28,073	42,592
Lessors of nonfinancial intangible assets	<1	4,162	58,675	75,465
Legal services	2	142,026	237,968	321,754
Accounting, tax preparation, bookkeeping, and payroll services	<1	73,235	88,774	130,160
Architectural, engineering, and related services	<1	60,530	64,109	108,420
Specialized design services	<1	4,659	6,526	10,443
Custom computer programming services	<1	28,712	32,002	45,303

Appendix

Computer systems design services	1	108,121	104,009	133,914
Other computer related services, including facilities management	<1	39,204	62,946	106,855
Management consulting services	2	143,638	148,212	231,171
Environmental and other technical consulting services	<1	22,481	23,411	36,175
Scientific research and development services	17	1,359,014	1,817,047	3,637,245
Advertising, public relations, and related services	<1	74,491	94,895	166,286
Photographic services	<1	1,497	3,082	6,447
Veterinary services	<1	5,655	6,565	10,742
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	36,589	57,885	115,526
Management of companies and enterprises	2	236,941	277,012	453,390
Office administrative services	<1	60,835	28,895	67,121
Facilities support services	<1	4,596	7,174	18,529
Employment services	6	194,911	293,237	456,917
Business support services	1	52,098	44,089	76,166
Travel arrangement and reservation services	<1	8,715	11,615	27,113
Investigation and security services	<1	25,301	24,807	37,957
Services to buildings	<1	26,998	37,915	74,203
Landscape and horticultural services	<1	18,709	23,168	42,254
Other support services	<1	13,968	18,273	34,722
Waste management and remediation services	<1	10,725	18,011	34,778
Elementary and secondary schools	<1	9,585	8,152	9,635
Junior colleges, colleges, universities, and professional schools	4	159,911	218,134	292,794
Other educational services	<1	8,166	9,204	18,365
Offices of physicians	1	133,140	140,118	191,118
Offices of dentists	<1	23,088	29,634	41,475
Offices of other health practitioners	<1	18,902	28,397	38,408
Outpatient care centers	<1	22,740	21,122	38,071
Medical and diagnostic laboratories	<1	6,333	9,450	13,630
Home health care services	<1	16,404	15,875	21,363
Other ambulatory health care services	<1	6,507	7,364	12,123

Appendix

Hospitals	2	168,123	202,135	395,362
Nursing and community care facilities	<1	28,083	33,411	61,107
Residential mental retardation, mental health, substance abuse and other facilities	<1	11,653	13,119	21,288
Individual and family services	1	30,746	28,568	45,510
Child day care services	<1	9,357	15,431	21,063
Community food, housing, and other relief services, including rehabilitation services	<1	7,587	7,598	18,071
Performing arts companies	<1	3,821	8,042	12,490
Commercial Sports Except Racing	<1	32,711	40,035	51,897
Racing and Track Operation	<1	509	889	1,487
Independent artists, writers, and performers	<1	2,133	15,578	18,363
Promoters of performing arts and sports and agents for public figures	<1	3,754	12,795	19,920
Museums, historical sites, zoos, and parks	<1	2,155	3,391	5,454
Amusement parks and arcades	<1	1,550	3,086	4,823
Gambling industries (except casino hotels)	<1	6,666	17,134	27,718
Other amusement and recreation industries	<1	5,902	6,661	13,797
Fitness and recreational sports centers	<1	4,219	5,555	11,090
Bowling centers	<1	654	1,009	2,057
Hotels and motels, including casino hotels	<1	13,687	27,507	45,175
Other accommodations	<1	2,226	3,198	4,418
Full-service restaurants	4	79,863	114,564	212,077
Limited-service restaurants	2	39,436	62,211	149,680
All other food and drinking places	1	37,509	53,452	84,459
Automotive repair and maintenance, except car washes	<1	43,080	50,255	77,452
Car washes	<1	19,044	28,657	45,492
Electronic and precision equipment repair and maintenance	<1	19,254	24,441	40,480
Commercial and industrial machinery and equipment repair and maintenance	<1	27,698	28,910	44,142
Personal and household goods repair and maintenance	<1	5,333	10,295	15,425
Personal care services	<1	14,430	13,129	17,725
Death care services	<1	3,712	2,758	3,951

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Dry-cleaning and laundry services	<1	8,863	6,239	8,379
Other personal services	<1	10,250	12,573	18,942
Religious organizations	<1	37,927	24,103	74,828
Grantmaking, giving, and social advocacy organizations	<1	5,991	20,782	32,299
Business and professional associations	<1	10,199	18,463	32,025
Labor and civic organizations	<1	6,192	18,972	34,771
Private households	<1	3,632	3,632	3,632
Postal service	<1	50,252	50,269	53,681
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,552	-860	663
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,783	2,280	5,202
Local government passenger transit	<1	10,509	-2,891	18,557
Local government electric utilities	<1	2,932	9,482	20,004
Other local government enterprises	<1	21,129	51,527	96,943
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	39,656	120,912	276,613

Montana

NASA

Table 703: Detailed NASA Impacts by Types of Impact, Montana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	152	7,673,039	11,161,521	24,288,715
Oilseed farming	<1	390	2,878	4,762
Grain farming	<1	7,112	16,831	63,754
Vegetable and melon farming	<1	2,661	5,616	10,392
Fruit farming	<1	279	642	886
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	861	1,307	2,321
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	1,370	2,008	3,782
All other crop farming	<1	2,420	3,624	6,754
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,183	5,101	20,057
Dairy cattle and milk production	<1	501	1,333	7,821
Poultry and egg production	<1	251	421	3,984
Animal production, except cattle and poultry and eggs	<1	7,614	31,143	46,222
Forestry, forest products, and timber tract production	<1	199	203	252
Commercial logging	<1	1,917	1,817	2,734
Commercial fishing	<1	2,667	2,746	2,922
Commercial hunting and trapping	<1	613	643	925
Support activities for agriculture and forestry	<1	11,828	11,320	14,343
Oil and gas extraction	<1	19,069	12,758	58,730
Coal mining	<1	9,418	27,718	44,204
Copper, nickel, lead, and zinc mining	<1	16,732	62,349	98,119
Iron ore mining	0	0	0	0
Gold ore mining	<1	2,287	4,307	5,753
Silver ore mining	<1	1,053	2,336	3,808
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	319	613	993
Stone mining and quarrying	<1	1,235	4,901	8,620
Sand and gravel mining	<1	1,279	3,325	5,595

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	496	1,093	1,798
Drilling oil and gas wells	<1	3	3	9
Support activities for oil and gas operations	<1	247	274	652
Metal mining services	<1	542	543	2,418
Other nonmetallic minerals services	<1	54	62	237
Electric power generation - Hydroelectric	<1	2,721	7,246	16,657
Electric power generation - Fossil fuel	<1	8,884	29,163	89,853
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	139	441	1,142
Electric power generation - Wind	<1	193	1,374	3,251
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	27,047	82,403	246,443
Natural gas distribution	<1	11,707	28,071	71,143
Water, sewage and other systems	<1	965	1,989	5,529
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	41,651	55,143	144,210
Maintenance and repair construction of residential structures	<1	9,238	11,995	31,261
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	28	37	98
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	982	1,473	14,658
Flour milling	<1	564	900	6,870
Rice milling	<1	99	141	1,135
Malt manufacturing	<1	93	141	1,199
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	13	51	833
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	33	66	345
Beet sugar manufacturing	<1	1,182	2,028	11,998
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	81	112	662
Chocolate and confectionery manufacturing from cacao beans	<1	29	40	278
Confectionery manufacturing from purchased chocolate	<1	77	97	766
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	<1	<1	4
Canned fruits and vegetables manufacturing	<1	30	51	424
Canned specialties	<1	3	6	34
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	107	140	1,920
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,174	1,632	13,024
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	23	30	167
Frozen cakes and other pastries manufacturing	<1	536	622	1,260

Appendix

Poultry processing	<1	90	106	649
Animal, except poultry, slaughtering	<1	360	432	5,968
Meat processed from carcasses	<1	1,027	977	11,159
Rendering and meat byproduct processing	<1	14	18	91
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	2,102	2,582	7,441
Cookie and cracker manufacturing	<1	109	143	1,109
Dry pasta, mixes, and dough manufacturing	<1	290	531	2,779
Tortilla manufacturing	<1	40	47	351
Roasted nuts and peanut butter manufacturing	<1	166	190	1,063
Other snack food manufacturing	<1	203	282	1,573
Coffee and tea manufacturing	<1	69	110	1,396
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	1	2	14
Spice and extract manufacturing	<1	4	6	34
All other food manufacturing	<1	43	57	364
Bottled and canned soft drinks & water	<1	1,063	1,581	10,703
Manufactured ice	<1	149	58	578
Breweries	<1	1,756	3,492	17,381
Wineries	<1	92	137	941
Distilleries	<1	251	1,279	4,957
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	25	29	359
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	4	40
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	12	12	53
Textile bag and canvas mills	<1	28	28	141
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	169	169	800
Hosiery and sock mills	<1	2	3	8

Appendix

Other apparel knitting mills	<1	2	2	7
Cut and sew apparel contractors	<1	19	20	151
Mens and boys cut and sew apparel manufacturing	<1	1	2	6
Womens and girls cut and sew apparel manufacturing	<1	<1	1	6
Other cut and sew apparel manufacturing	<1	2	3	30
Apparel accessories and other apparel manufacturing	<1	3	3	27
Leather and hide tanning and finishing	<1	8	11	153
Footwear manufacturing	<1	2	2	22
Other leather and allied product manufacturing	<1	6	6	41
Sawmills	<1	1,604	3,114	10,958
Wood preservation	<1	84	323	1,014
Veneer and plywood manufacturing	<1	351	686	1,813
Engineered wood member and truss manufacturing	<1	340	621	1,737
Reconstituted wood product manufacturing	<1	588	1,910	5,600
Wood windows and door manufacturing	<1	843	1,379	4,370
Cut stock, resawing lumber, and planing	<1	336	766	1,887
Other millwork, including flooring	<1	323	642	1,900
Wood container and pallet manufacturing	<1	194	310	906
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	192	311	903
All other miscellaneous wood product manufacturing	<1	34	62	300
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	154	340	1,023
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

Appendix

Printing	<1	12,700	20,031	42,309
Support activities for printing	<1	24	35	54
Petroleum refineries	<1	11,311	56,391	336,566
Asphalt paving mixture and block manufacturing	<1	125	174	829
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	65	169	505
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	11	43	754
Industrial gas manufacturing	<1	397	447	1,852
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	425	499	2,503
Other basic organic chemical manufacturing	<1	867	1,096	10,714
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	7	9	91
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	305	380	2,035
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	21	24	124
Pesticide and other agricultural chemical manufacturing	<1	308	495	5,406
Medicinal and botanical manufacturing	<1	106	106	694
Pharmaceutical preparation manufacturing	<1	4	8	57
In-vitro diagnostic substance manufacturing	<1	2	2	10
Biological product (except diagnostic) manufacturing	<1	123	139	575
Paint and coating manufacturing	<1	6	8	81
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	74	119	1,299
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	42	59	495
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	307	384	2,704
Other miscellaneous chemical product manufacturing	<1	152	182	1,483
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	74	114	617
Plastics pipe and pipe fitting manufacturing	<1	33	58	362
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	195	261	1,419
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	847	1,024	4,250
Tire manufacturing	<1	416	526	3,456
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	67	81	403
Pottery, ceramics, and plumbing fixture manufacturing	<1	12	19	66
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	20	36	83
Cement manufacturing	<1	500	1,276	3,520
Ready-mix concrete manufacturing	<1	1,466	2,640	10,420
Concrete block and brick manufacturing	<1	217	416	1,094
Concrete pipe manufacturing	<1	114	201	537
Other concrete product manufacturing	<1	454	666	1,995
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	<1	230	657	1,085
Cut stone and stone product manufacturing	<1	517	632	1,544
Ground or treated mineral and earth manufacturing	<1	304	866	1,799
Mineral wool manufacturing	<1	419	1,028	2,240
Miscellaneous nonmetallic mineral products manufacturing	<1	134	397	846
Iron and steel mills and ferroalloy manufacturing	<1	3	8	53
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	<1	<1	4
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	<1	4
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	4	6	30
Secondary processing of other nonferrous metals	<1	<1	<1	5
Ferrous metal foundries	<1	83	141	417
Nonferrous metal foundries	<1	62	100	314
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	19	23	92
Iron and steel forging	<1	33	49	252
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	37	77	369
Handtool manufacturing	<1	148	217	603
Prefabricated metal buildings and components manufacturing	<1	6	7	32
Fabricated structural metal manufacturing	<1	944	1,284	5,256
Plate work manufacturing	<1	300	332	1,161
Metal window and door manufacturing	<1	156	197	580
Sheet metal work manufacturing	<1	323	399	1,148

Appendix

Ornamental and architectural metal work manufacturing	<1	340	417	1,468
Power boiler and heat exchanger manufacturing	<1	1	2	7
Metal tank (heavy gauge) manufacturing	<1	5	6	23
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	30	43	188
Spring and wire product manufacturing	<1	16	21	93
Machine shops	<1	904	1,064	2,737
Turned product and screw, nut, and bolt manufacturing	<1	42	57	195
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	39	60	217
Electroplating, anodizing, and coloring metal	<1	54	62	184
Valve and fittings, other than plumbing, manufacturing	<1	33	46	142
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	153	288	931
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	248	405	1,288
Fabricated pipe and pipe fitting manufacturing	<1	33	39	112
Other fabricated metal manufacturing	<1	545	679	2,382
Farm machinery and equipment manufacturing	<1	46	52	399
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	143	163	1,027
Mining machinery and equipment manufacturing	<1	<1	<1	3
Oil and gas field machinery and equipment manufacturing	<1	2	2	12
Semiconductor machinery manufacturing	<1	183	188	830
Food product machinery manufacturing	0	0	0	0

Appendix

Sawmill, woodworking, and paper machinery	<1	11	11	41
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	1	5
Optical instrument and lens manufacturing	<1	1	1	4
Photographic and photocopying equipment manufacturing	<1	<1	<1	6
Other commercial service industry machinery manufacturing	<1	3	3	16
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	50	50	346
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	48	49	169
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	44	45	178
Machine tool manufacturing	<1	4	4	22
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	4
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	10	10	50
Other engine equipment manufacturing	<1	4	4	53
Pump and pumping equipment manufacturing	<1	<1	<1	6
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

Appendix

Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	2	2	10
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	17	17	107
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	6	6	27
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	<1	1	2	7
Computer terminals and other computer peripheral equipment manufacturing	<1	1	2	4
Telephone apparatus manufacturing	<1	1	2	11
Broadcast and wireless communications equipment manufacturing	<1	3	4	17
Other communications equipment manufacturing	<1	2	3	19
Audio and video equipment manufacturing	<1	<1	1	5
Printed circuit assembly (electronic assembly) manufacturing	<1	11	15	85
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	2	7
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	63	79	264
Other electronic component manufacturing	<1	31	36	125
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	2	8
Search, detection, and navigation instruments manufacturing	<1	<1	<1	2
Automatic environmental control manufacturing	<1	8	9	26

Appendix

Industrial process variable instruments manufacturing	<1	5	6	20
Totalizing fluid meter and counting device manufacturing	<1	7	11	40
Electricity and signal testing instruments manufacturing	<1	80	103	451
Analytical laboratory instrument manufacturing	<1	42,380	56,036	169,542
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	24	33	114
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	3	4	10
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	8	12	47
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	3	5	14
Switchgear and switchboard apparatus manufacturing	<1	4	7	18
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	10	17	83
Wiring device manufacturing	<1	55	113	382
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	3	4	16
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	5	6	28
Truck trailer manufacturing	<1	6	7	32
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,029	2,225	8,919
Motor vehicle gasoline engine and engine parts manufacturing	<1	37	51	392
Motor vehicle electrical and electronic equipment manufacturing	<1	57	94	456
Motor vehicle transmission and power train parts manufacturing	<1	133	185	1,008
Motor vehicle seating and interior trim manufacturing	<1	5	6	48
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	49	61	363
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	0	1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	19	10	74
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	1	<1	11
Ship building and repairing	0	0	0	0
Boat building	<1	30	20	357
Motorcycle, bicycle, and parts manufacturing	<1	12	-28	99
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	15	-6	163
Wood kitchen cabinet and countertop manufacturing	<1	433	343	1,265
Upholstered household furniture manufacturing	<1	18	18	100

Appendix

Nonupholstered wood household furniture manufacturing	<1	172	156	617
Other household nonupholstered furniture manufacturing	<1	13	11	85
Institutional furniture manufacturing	<1	2	2	10
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	27	24	104
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	3	2	13
Mattress manufacturing	<1	6	4	51
Blind and shade manufacturing	<1	4	4	19
Surgical and medical instrument manufacturing	<1	35	47	179
Surgical appliance and supplies manufacturing	<1	85	122	539
Dental equipment and supplies manufacturing	<1	19	24	100
Ophthalmic goods manufacturing	<1	13	18	60
Dental laboratories	<1	52	53	108
Jewelry and silverware manufacturing	<1	705	849	2,735
Sporting and athletic goods manufacturing	<1	324	385	1,628
Doll, toy, and game manufacturing	<1	220	262	1,204
Office supplies (except paper) manufacturing	<1	61	74	452
Sign manufacturing	<1	846	708	2,198
Gasket, packing, and sealing device manufacturing	<1	143	158	548
Musical instrument manufacturing	<1	174	179	501
Fasteners, buttons, needles, and pins manufacturing	<1	126	143	435
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	167	189	515
All other miscellaneous manufacturing	<1	4,240	5,002	16,652
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,716	13,720	34,231
Wholesale - Professional and commercial equipment and supplies	<1	16,185	23,757	45,602

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Wholesale - Household appliances and electrical and electronic goods	<1	7,732	16,253	37,934
Wholesale - Machinery, equipment, and supplies	<1	18,386	31,521	59,182
Wholesale - Other durable goods merchant wholesalers	<1	21,489	33,847	71,109
Wholesale - Drugs and druggists' sundries	<1	7,899	20,194	38,963
Wholesale - Grocery and related product wholesalers	<1	20,447	26,405	55,695
Wholesale - Petroleum and petroleum products	<1	5,187	40,340	52,859
Wholesale - Other nondurable goods merchant wholesalers	<1	38,616	68,934	152,285
Wholesale - Wholesale electronic markets and agents and brokers	<1	15,382	15,838	19,047
Retail - Motor vehicle and parts dealers	<1	27,150	33,756	54,795
Retail - Furniture and home furnishings stores	<1	13,251	14,181	26,174
Retail - Electronics and appliance stores	<1	10,578	8,439	17,328
Retail - Building material and garden equipment and supplies stores	<1	19,609	27,625	44,151
Retail - Food and beverage stores	1	44,026	50,389	86,474
Retail - Health and personal care stores	<1	16,390	18,475	31,320
Retail - Gasoline stores	<1	18,317	21,428	41,184
Retail - Clothing and clothing accessories stores	<1	10,174	11,904	29,959
Retail - Sporting goods, hobby, musical instrument and book stores	<1	11,598	12,372	24,075
Retail - General merchandise stores	1	38,765	41,237	74,210
Retail - Miscellaneous store retailers	<1	29,187	27,633	42,017
Retail - Nonstore retailers	1	16,868	43,164	137,834
Air transportation	<1	14,184	40,119	79,619
Rail transportation	<1	6,834	23,575	34,177
Water transportation	<1	-173	-148	6,450
Truck transportation	<1	45,264	52,547	103,516
Transit and ground passenger transportation	<1	10,573	13,987	19,421
Pipeline transportation	<1	8,645	18,264	22,094
Scenic and sightseeing transportation and support activities for transportation	<1	38,109	42,042	99,187

Appendix

Couriers and messengers	<1	20,045	27,504	43,168
Warehousing and storage	<1	3,313	3,718	15,356
Newspaper publishers	<1	10,252	18,279	25,069
Periodical publishers	<1	1,344	2,232	4,348
Book publishers	<1	1,167	3,811	7,008
Directory, mailing list, and other publishers	<1	430	1,277	2,079
Greeting card publishing	0	0	0	0
Software publishers	<1	10,616	25,185	29,927
Motion picture and video industries	<1	6,435	14,699	40,282
Sound recording industries	<1	485	4,198	7,894
Radio and television broadcasting	<1	21,762	28,506	119,421
Cable and other subscription programming	<1	595	4,509	11,885
Wired telecommunications carriers	<1	33,538	65,798	123,439
Wireless telecommunications carriers (except satellite)	<1	1,775	10,745	30,222
Satellite, telecommunications resellers, and all other telecommunications	<1	2,328	3,052	8,898
Data processing, hosting, and related services	<1	12,677	23,407	82,493
News syndicates, libraries, archives and all other information services	<1	1,856	2,945	6,523
Internet publishing and broadcasting and web search portals	<1	4,043	8,051	35,671
Nondepository credit intermediation and related activities	<1	19,991	25,326	42,161
Securities and commodity contracts intermediation and brokerage	<1	51,104	50,831	116,178
Monetary authorities and depository credit intermediation	2	153,621	414,089	723,492
Other financial investment activities	<1	10,453	15,988	48,915
Direct life insurance carriers	<1	845	1,734	2,476
Insurance carriers, except direct life	<1	20,205	71,049	159,607
Insurance agencies, brokerages, and related activities	<1	36,108	54,655	152,813
Funds, trusts, and other financial vehicles	<1	8,053	9,441	64,599
Other real estate	12	198,210	627,571	2,026,363
Tenant-occupied housing	<1	7,019	131,171	149,700

Appendix

Owner-occupied dwellings	0	0	432,429	548,949
Automotive equipment rental and leasing	<1	14,474	28,395	47,904
General and consumer goods rental except video tapes and discs	<1	11,024	12,899	23,412
Video tape and disc rental	<1	2,140	3,232	5,483
Commercial and industrial machinery and equipment rental and leasing	<1	8,776	16,025	25,695
Lessors of nonfinancial intangible assets	<1	992	26,679	33,568
Legal services	3	186,188	261,590	432,141
Accounting, tax preparation, bookkeeping, and payroll services	1	56,507	73,346	121,417
Architectural, engineering, and related services	2	127,993	139,755	270,588
Specialized design services	<1	3,743	5,783	9,623
Custom computer programming services	<1	22,096	22,487	34,668
Computer systems design services	<1	26,843	24,612	34,730
Other computer related services, including facilities management	<1	7,849	11,301	23,987
Management consulting services	2	118,547	122,580	218,423
Environmental and other technical consulting services	<1	40,294	41,972	69,099
Scientific research and development services	50	3,199,437	3,739,012	9,117,932
Advertising, public relations, and related services	<1	26,925	36,721	85,139
Photographic services	<1	1,562	3,518	7,107
Veterinary services	<1	6,507	7,937	13,434
Marketing research and all other miscellaneous professional, scientific, and technical services	2	120,424	214,036	414,851
Management of companies and enterprises	1	104,712	121,559	237,954
Office administrative services	1	55,719	25,806	65,755
Facilities support services	<1	6,028	8,710	22,162
Employment services	3	120,987	171,970	265,475
Business support services	<1	33,665	28,739	53,884
Travel arrangement and reservation services	<1	10,392	13,194	33,606
Investigation and security services	<1	17,129	16,654	24,192
Services to buildings	1	27,560	36,670	77,593
Landscape and horticultural services	<1	31,321	37,247	72,586

Appendix

Other support services	<1	8,845	10,878	22,353
Waste management and remediation services	<1	15,457	27,200	51,789
Elementary and secondary schools	<1	12,321	12,633	15,579
Junior colleges, colleges, universities, and professional schools	15	374,821	616,102	919,341
Other educational services	<1	10,924	13,039	28,913
Offices of physicians	1	144,342	152,962	210,367
Offices of dentists	<1	32,404	39,106	57,060
Offices of other health practitioners	<1	27,411	37,343	51,683
Outpatient care centers	<1	19,656	18,450	34,892
Medical and diagnostic laboratories	<1	3,967	5,297	7,230
Home health care services	<1	21,156	20,740	27,689
Other ambulatory health care services	<1	9,905	11,065	18,653
Hospitals	3	289,819	335,569	632,068
Nursing and community care facilities	<1	32,603	36,579	65,674
Residential mental retardation, mental health, substance abuse and other facilities	<1	15,100	16,273	26,303
Individual and family services	1	33,389	27,518	43,412
Child day care services	<1	12,100	15,662	23,079
Community food, housing, and other relief services, including rehabilitation services	<1	10,764	10,553	25,390
Performing arts companies	<1	4,328	5,867	16,492
Commercial Sports Except Racing	<1	4,720	3,775	10,625
Racing and Track Operation	<1	258	418	1,060
Independent artists, writers, and performers	<1	9,208	22,958	55,909
Promoters of performing arts and sports and agents for public figures	<1	2,949	4,770	16,779
Museums, historical sites, zoos, and parks	<1	2,771	3,360	6,221
Amusement parks and arcades	<1	392	546	1,032
Gambling industries (except casino hotels)	<1	8,384	23,336	41,298
Other amusement and recreation industries	<1	11,358	11,056	21,035
Fitness and recreational sports centers	<1	5,378	6,723	14,779
Bowling centers	<1	975	1,372	2,880

Appendix

Hotels and motels, including casino hotels	<1	2,963	5,589	10,082
Other accommodations	<1	579	931	1,289
Full-service restaurants	3	79,058	104,808	198,530
Limited-service restaurants	2	48,830	67,419	156,341
All other food and drinking places	2	53,389	76,050	126,487
Automotive repair and maintenance, except car washes	1	52,190	43,218	76,286
Car washes	<1	23,752	30,040	49,246
Electronic and precision equipment repair and maintenance	<1	11,266	11,563	23,024
Commercial and industrial machinery and equipment repair and maintenance	<1	23,076	18,353	32,707
Personal and household goods repair and maintenance	<1	7,019	10,372	17,153
Personal care services	<1	15,973	13,473	18,335
Death care services	<1	4,047	2,362	3,680
Dry-cleaning and laundry services	<1	14,211	7,707	11,196
Other personal services	<1	12,725	14,315	21,767
Religious organizations	<1	37,835	9,536	68,070
Grantmaking, giving, and social advocacy organizations	<1	15,480	37,146	69,305
Business and professional associations	<1	11,460	16,576	35,652
Labor and civic organizations	<1	8,227	17,916	39,362
Private households	<1	3,289	3,289	3,289
Postal service	<1	27,059	27,065	29,065
Federal electric utilities	<1	2,305	3,868	19,004
Other federal government enterprises	<1	899	-5,332	815
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,100	1,320	2,168
Local government passenger transit	<1	6,601	-4,907	6,082
Local government electric utilities	<1	769	2,025	4,106
Other local government enterprises	<1	25,533	52,794	119,109
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	185,313	354,091	810,063

Moon to Mars Campaign

Table 704: Detailed M2M Campaign Impacts by Types of Impact, Montana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>19</i>	<i>834,330</i>	<i>1,297,485</i>	<i>2,536,319</i>
Oilseed farming	<1	40	409	757
Grain farming	<1	598	1,584	5,543
Vegetable and melon farming	<1	299	647	1,196
Fruit farming	<1	33	77	106
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	78	120	211
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	144	210	389
All other crop farming	<1	188	290	536
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	89	346	1,285
Dairy cattle and milk production	<1	86	213	1,180
Poultry and egg production	<1	27	50	416
Animal production, except cattle and poultry and eggs	<1	387	1,793	2,688
Forestry, forest products, and timber tract production	<1	17	18	22
Commercial logging	<1	169	161	233
Commercial fishing	<1	315	283	301
Commercial hunting and trapping	<1	91	63	87
Support activities for agriculture and forestry	<1	777	738	939
Oil and gas extraction	<1	1,392	1,164	5,337

Appendix

Coal mining	<1	608	1,659	2,725
Copper, nickel, lead, and zinc mining	<1	695	2,740	4,043
Iron ore mining	0	0	0	0
Gold ore mining	<1	108	206	282
Silver ore mining	<1	38	85	137
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	16	29	47
Stone mining and quarrying	<1	122	409	736
Sand and gravel mining	<1	109	255	420
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	35	74	121
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	12	14	33
Metal mining services	<1	23	26	118
Other nonmetallic minerals services	<1	3	4	16
Electric power generation - Hydroelectric	<1	318	844	1,885
Electric power generation - Fossil fuel	<1	1,283	3,990	11,388
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	14	46	117
Electric power generation - Wind	<1	20	144	332
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	3,310	9,954	28,352
Natural gas distribution	<1	2,126	5,283	12,642
Water, sewage and other systems	<1	244	449	1,145
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,287	5,732	14,649
Maintenance and repair construction of residential structures	<1	1,003	1,309	3,352
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	10
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	74	116	1,102
Flour milling	<1	66	107	814
Rice milling	<1	14	19	158
Malt manufacturing	<1	9	14	114
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	2	6	98
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	3	6	27
Beet sugar manufacturing	<1	127	207	1,205
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	14	19	106
Chocolate and confectionery manufacturing from cacao beans	<1	6	8	55
Confectionery manufacturing from purchased chocolate	<1	11	14	101
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	<1	<1	<1
Canned fruits and vegetables manufacturing	<1	5	9	69

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Canned specialties	<1	<1	1	6
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	18	23	321
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	208	297	2,339
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	4	5	29
Frozen cakes and other pastries manufacturing	<1	100	115	231
Poultry processing	<1	8	10	57
Animal, except poultry, slaughtering	<1	51	63	852
Meat processed from carcasses	<1	103	99	1,119
Rendering and meat byproduct processing	<1	2	2	11
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	380	469	1,340
Cookie and cracker manufacturing	<1	15	22	152
Dry pasta, mixes, and dough manufacturing	<1	35	64	348
Tortilla manufacturing	<1	5	5	40
Roasted nuts and peanut butter manufacturing	<1	21	26	134
Other snack food manufacturing	<1	24	34	186
Coffee and tea manufacturing	<1	14	23	285
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	3
Spice and extract manufacturing	<1	<1	1	8
All other food manufacturing	<1	6	8	47
Bottled and canned soft drinks & water	<1	106	163	1,071
Manufactured ice	<1	16	6	58
Breweries	<1	386	802	3,915
Wineries	<1	13	19	125
Distilleries	<1	46	243	900
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	2	23
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2	2	8
Textile bag and canvas mills	<1	3	3	13
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	20	20	91
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	2	2	14
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	1	11
Apparel accessories and other apparel manufacturing	<1	<1	<1	3
Leather and hide tanning and finishing	<1	3	4	51
Footwear manufacturing	<1	<1	<1	2
Other leather and allied product manufacturing	<1	<1	<1	5
Sawmills	<1	131	255	907
Wood preservation	<1	6	24	77
Veneer and plywood manufacturing	<1	30	58	155
Engineered wood member and truss manufacturing	<1	36	65	183
Reconstituted wood product manufacturing	<1	56	176	510
Wood windows and door manufacturing	<1	68	113	353
Cut stock, resawing lumber, and planing	<1	29	66	162
Other millwork, including flooring	<1	30	59	170
Wood container and pallet manufacturing	<1	21	34	97
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	17	27	79
All other miscellaneous wood product manufacturing	<1	4	7	32
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	23	50	149
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	2,356	3,813	7,554
Support activities for printing	<1	7	10	16
Petroleum refineries	<1	1,129	5,470	32,487
Asphalt paving mixture and block manufacturing	<1	13	18	85
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	7	18	53
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	<1	4	66
Industrial gas manufacturing	<1	35	41	165
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	31	40	191
Other basic organic chemical manufacturing	<1	89	112	1,128
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	<1	<1	8
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	36	46	229
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	2	12
Pesticide and other agricultural chemical manufacturing	<1	37	60	672
Medicinal and botanical manufacturing	<1	14	14	86
Pharmaceutical preparation manufacturing	<1	<1	1	8
In-vitro diagnostic substance manufacturing	<1	<1	<1	2

Appendix

Biological product (except diagnostic) manufacturing	<1	18	21	82
Paint and coating manufacturing	<1	1	1	13
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	10	17	160
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	5	8	63
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	27	36	242
Other miscellaneous chemical product manufacturing	<1	12	15	127
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	7	10	55
Plastics pipe and pipe fitting manufacturing	<1	4	7	43
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	18	24	130
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	97	118	474
Tire manufacturing	<1	33	43	286
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	5	5	28
Pottery, ceramics, and plumbing fixture manufacturing	<1	1	2	6
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	1	2	5
Cement manufacturing	<1	45	112	313
Ready-mix concrete manufacturing	<1	126	222	881
Concrete block and brick manufacturing	<1	25	46	126
Concrete pipe manufacturing	<1	11	19	52
Other concrete product manufacturing	<1	37	53	162
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	21	59	98
Cut stone and stone product manufacturing	<1	41	50	121
Ground or treated mineral and earth manufacturing	<1	24	67	139
Mineral wool manufacturing	<1	39	94	199
Miscellaneous nonmetallic mineral products manufacturing	<1	11	31	65
Iron and steel mills and ferroalloy manufacturing	<1	<1	<1	5
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	<1	<1	<1
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	<1	<1
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	<1	<1	2
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	<1	8	13	40
Nonferrous metal foundries	<1	4	7	21
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	2	2	8
Iron and steel forging	<1	4	5	26

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	5	10	47
Handtool manufacturing	<1	24	35	94
Prefabricated metal buildings and components manufacturing	<1	<1	<1	3
Fabricated structural metal manufacturing	<1	114	151	623
Plate work manufacturing	<1	29	32	110
Metal window and door manufacturing	<1	19	24	69
Sheet metal work manufacturing	<1	20	24	68
Ornamental and architectural metal work manufacturing	<1	33	40	140
Power boiler and heat exchanger manufacturing	<1	<1	<1	1
Metal tank (heavy gauge) manufacturing	<1	<1	<1	3
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	3	4	19
Spring and wire product manufacturing	<1	2	3	12
Machine shops	<1	66	78	198
Turned product and screw, nut, and bolt manufacturing	<1	3	4	14
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	3	5	19
Electroplating, anodizing, and coloring metal	<1	5	6	17
Valve and fittings, other than plumbing, manufacturing	<1	3	4	13
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	19	35	108
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	31	50	154
Fabricated pipe and pipe fitting manufacturing	<1	3	4	11
Other fabricated metal manufacturing	<1	53	66	229
Farm machinery and equipment manufacturing	<1	3	3	23

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	9	11	66
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	<1	19	20	86
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	2
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	<1	<1	2
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	14	15	91
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	4	5	15
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	<1	3	4	14
Machine tool manufacturing	<1	<1	<1	3
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	<1	<1	4
Other engine equipment manufacturing	<1	<1	<1	8

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Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	4	4	22
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	3
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	<1	<1	<1	2
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	<1	<1	<1	<1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	2	3	18
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	5	6	21
Other electronic component manufacturing	<1	4	5	18
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	6	7	19
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	3
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	3	4	13
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1	2	4
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	2	3	12
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	<1	<1	1
Switchgear and switchboard apparatus manufacturing	<1	2	3	9

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Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3	5	26
Wiring device manufacturing	<1	11	22	70
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	2
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	174	191	764
Motor vehicle gasoline engine and engine parts manufacturing	<1	4	5	42
Motor vehicle electrical and electronic equipment manufacturing	<1	6	10	44
Motor vehicle transmission and power train parts manufacturing	<1	22	30	144
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	4
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	4	5	33
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	0	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	9	4	29
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	<1	<1	1
Ship building and repairing	0	0	0	0
Boat building	<1	3	2	32
Motorcycle, bicycle, and parts manufacturing	<1	2	-4	12
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	-1	18
Wood kitchen cabinet and countertop manufacturing	<1	39	28	108
Upholstered household furniture manufacturing	<1	2	2	14
Nonupholstered wood household furniture manufacturing	<1	18	16	64
Other household nonupholstered furniture manufacturing	<1	2	1	10
Institutional furniture manufacturing	<1	<1	<1	1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	3	2	10
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	1
Mattress manufacturing	<1	<1	<1	5
Blind and shade manufacturing	<1	<1	<1	2
Surgical and medical instrument manufacturing	<1	4	5	19
Surgical appliance and supplies manufacturing	<1	11	16	67
Dental equipment and supplies manufacturing	<1	2	3	12
Ophthalmic goods manufacturing	<1	2	2	7
Dental laboratories	<1	6	7	13
Jewelry and silverware manufacturing	<1	72	87	279
Sporting and athletic goods manufacturing	<1	35	41	167
Doll, toy, and game manufacturing	<1	23	29	127
Office supplies (except paper) manufacturing	<1	13	16	89
Sign manufacturing	<1	69	59	181
Gasket, packing, and sealing device manufacturing	<1	13	14	49

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Musical instrument manufacturing	<1	29	31	82
Fasteners, buttons, needles, and pins manufacturing	<1	15	18	54
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	12	14	36
All other miscellaneous manufacturing	<1	30	36	124
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	775	1,602	3,985
Wholesale - Professional and commercial equipment and supplies	<1	2,047	3,004	5,717
Wholesale - Household appliances and electrical and electronic goods	<1	1,123	2,345	5,433
Wholesale - Machinery, equipment, and supplies	<1	1,589	2,720	5,099
Wholesale - Other durable goods merchant wholesalers	<1	2,363	3,731	7,803
Wholesale - Drugs and druggists' sundries	<1	817	2,089	3,958
Wholesale - Grocery and related product wholesalers	<1	2,740	3,539	7,427
Wholesale - Petroleum and petroleum products	<1	500	4,695	6,028
Wholesale - Other nondurable goods merchant wholesalers	<1	4,478	8,291	17,875
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,776	1,830	2,196
Retail - Motor vehicle and parts dealers	<1	2,849	3,543	5,715
Retail - Furniture and home furnishings stores	<1	1,404	1,503	2,748
Retail - Electronics and appliance stores	<1	1,110	899	1,812
Retail - Building material and garden equipment and supplies stores	<1	2,072	2,924	4,649
Retail - Food and beverage stores	<1	4,888	5,563	9,426
Retail - Health and personal care stores	<1	1,693	1,918	3,248
Retail - Gasoline stores	<1	1,977	2,244	4,191
Retail - Clothing and clothing accessories stores	<1	1,107	1,285	3,172
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,210	1,294	2,486
Retail - General merchandise stores	<1	3,915	4,187	7,529

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Retail - Miscellaneous store retailers	<1	3,123	2,953	4,399
Retail - Nonstore retailers	<1	1,749	4,751	14,960
Air transportation	<1	1,784	5,204	10,126
Rail transportation	<1	825	2,440	3,762
Water transportation	<1	-14	-12	506
Truck transportation	<1	5,328	6,148	12,089
Transit and ground passenger transportation	<1	1,656	2,186	2,909
Pipeline transportation	<1	732	1,663	2,055
Scenic and sightseeing transportation and support activities for transportation	<1	3,007	3,332	7,940
Couriers and messengers	<1	2,479	3,486	5,465
Warehousing and storage	<1	362	407	1,672
Newspaper publishers	<1	1,036	1,852	2,502
Periodical publishers	<1	194	324	600
Book publishers	<1	157	511	930
Directory, mailing list, and other publishers	<1	44	135	218
Greeting card publishing	0	0	0	0
Software publishers	<1	1,201	2,888	3,419
Motion picture and video industries	<1	1,040	2,355	5,756
Sound recording industries	<1	97	860	1,503
Radio and television broadcasting	<1	2,929	3,639	12,309
Cable and other subscription programming	<1	123	656	1,452
Wired telecommunications carriers	<1	4,210	8,111	14,979
Wireless telecommunications carriers (except satellite)	<1	241	1,495	4,074
Satellite, telecommunications resellers, and all other telecommunications	<1	296	382	1,071
Data processing, hosting, and related services	<1	1,461	2,670	8,656
News syndicates, libraries, archives and all other information services	<1	200	326	683
Internet publishing and broadcasting and web search portals	<1	788	1,565	5,401
Nondepository credit intermediation and related activities	<1	2,410	3,059	4,913
Securities and commodity contracts intermediation and brokerage	<1	6,321	6,169	12,876

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Monetary authorities and depository credit intermediation	<1	13,825	37,294	64,394
Other financial investment activities	<1	1,379	2,058	5,621
Direct life insurance carriers	<1	81	173	241
Insurance carriers, except direct life	<1	2,158	8,006	17,154
Insurance agencies, brokerages, and related activities	<1	3,757	5,874	15,814
Funds, trusts, and other financial vehicles	<1	985	1,186	6,943
Other real estate	1	22,917	69,538	209,916
Tenant-occupied housing	<1	783	15,061	16,870
Owner-occupied dwellings	0	0	49,218	62,480
Automotive equipment rental and leasing	<1	2,079	3,441	5,565
General and consumer goods rental except video tapes and discs	<1	2,045	2,258	3,920
Video tape and disc rental	<1	224	335	566
Commercial and industrial machinery and equipment rental and leasing	<1	1,160	1,918	3,021
Lessors of nonfinancial intangible assets	<1	107	2,933	3,668
Legal services	<1	12,660	18,034	29,369
Accounting, tax preparation, bookkeeping, and payroll services	<1	6,982	9,331	15,014
Architectural, engineering, and related services	<1	20,799	23,036	44,005
Specialized design services	<1	551	891	1,426
Custom computer programming services	<1	2,218	2,238	3,394
Computer systems design services	<1	3,378	3,104	4,326
Other computer related services, including facilities management	<1	1,153	1,644	3,412
Management consulting services	<1	9,904	10,306	17,880
Environmental and other technical consulting services	<1	4,137	4,364	7,099
Scientific research and development services	2	170,848	197,964	470,470
Advertising, public relations, and related services	<1	2,842	3,956	8,768
Photographic services	<1	212	517	988
Veterinary services	<1	653	816	1,351
Marketing research and all other miscellaneous professional, scientific, and technical services	1	84,479	156,115	291,517

Appendix

Management of companies and enterprises	<1	8,470	9,890	19,023
Office administrative services	<1	8,120	4,048	9,441
Facilities support services	<1	798	1,156	2,732
Employment services	<1	12,191	17,664	26,159
Business support services	<1	3,104	2,696	4,861
Travel arrangement and reservation services	<1	939	1,200	3,033
Investigation and security services	<1	2,122	2,076	2,918
Services to buildings	<1	3,206	4,342	8,790
Landscape and horticultural services	<1	3,276	3,932	7,470
Other support services	<1	1,027	1,275	2,552
Waste management and remediation services	<1	1,539	2,706	5,097
Elementary and secondary schools	<1	1,611	1,654	2,015
Junior colleges, colleges, universities, and professional schools	6	165,623	267,623	399,580
Other educational services	<1	1,734	2,088	4,526
Offices of physicians	<1	15,300	16,290	22,395
Offices of dentists	<1	3,474	4,258	6,149
Offices of other health practitioners	<1	2,868	3,996	5,482
Outpatient care centers	<1	2,140	2,022	3,863
Medical and diagnostic laboratories	<1	434	592	796
Home health care services	<1	2,259	2,224	2,991
Other ambulatory health care services	<1	1,071	1,207	2,017
Hospitals	<1	34,747	39,942	74,850
Nursing and community care facilities	<1	3,599	4,042	7,119
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,840	1,987	3,162
Individual and family services	<1	3,780	3,145	4,910
Child day care services	<1	1,370	1,796	2,604
Community food, housing, and other relief services, including rehabilitation services	<1	1,311	1,290	3,038
Performing arts companies	<1	632	844	2,187
Commercial Sports Except Racing	<1	580	451	1,243
Racing and Track Operation	<1	30	49	113
Independent artists, writers, and performers	<1	1,232	2,848	6,773

Appendix

Promoters of performing arts and sports and agents for public figures	<1	382	604	1,992
Museums, historical sites, zoos, and parks	<1	300	364	663
Amusement parks and arcades	<1	49	61	116
Gambling industries (except casino hotels)	<1	950	2,577	4,501
Other amusement and recreation industries	<1	1,265	1,185	2,224
Fitness and recreational sports centers	<1	638	760	1,648
Bowling centers	<1	103	141	292
Hotels and motels, including casino hotels	<1	430	798	1,421
Other accommodations	<1	95	153	208
Full-service restaurants	<1	8,792	11,785	21,873
Limited-service restaurants	<1	5,313	7,391	16,682
All other food and drinking places	<1	6,660	9,495	15,438
Automotive repair and maintenance, except car washes	<1	6,003	4,785	8,439
Car washes	<1	2,676	3,363	5,480
Electronic and precision equipment repair and maintenance	<1	1,203	1,246	2,429
Commercial and industrial machinery and equipment repair and maintenance	<1	2,548	1,996	3,499
Personal and household goods repair and maintenance	<1	839	1,203	1,980
Personal care services	<1	1,809	1,475	2,013
Death care services	<1	502	254	410
Dry-cleaning and laundry services	<1	1,742	815	1,228
Other personal services	<1	1,299	1,446	2,184
Religious organizations	<1	4,361	954	7,536
Grantmaking, giving, and social advocacy organizations	<1	1,952	4,382	8,210
Business and professional associations	<1	1,185	1,630	3,466
Labor and civic organizations	<1	1,012	2,074	4,637
Private households	<1	382	382	382
Postal service	<1	3,289	3,291	3,529
Federal electric utilities	<1	116	198	968
Other federal government enterprises	<1	110	-724	97
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	82	98	150
Local government passenger transit	<1	835	-651	595
Local government electric utilities	<1	79	196	394
Other local government enterprises	<1	3,328	6,521	14,612
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 705: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Montana

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>57</i>	<i>2,817,579</i>	<i>4,055,767</i>	<i>9,063,910</i>
Oilseed farming	<1	142	854	1,326
Grain farming	<1	2,616	5,303	23,461
Vegetable and melon farming	<1	906	1,934	3,617
Fruit farming	<1	89	209	290
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	285	441	802
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	506	760	1,488
All other crop farming	<1	1,055	1,576	3,036
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	541	2,534	9,939

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Dairy cattle and milk production	<1	143	403	2,427
Poultry and egg production	<1	110	177	1,821
Animal production, except cattle and poultry and eggs	<1	4,255	14,717	21,005
Forestry, forest products, and timber tract production	<1	71	73	93
Commercial logging	<1	719	682	1,065
Commercial fishing	<1	854	1,276	1,327
Commercial hunting and trapping	<1	226	298	402
Support activities for agriculture and forestry	<1	5,338	5,164	6,522
Oil and gas extraction	<1	8,846	5,793	26,187
Coal mining	<1	5,709	21,241	33,850
Copper, nickel, lead, and zinc mining	<1	9,261	31,725	50,475
Iron ore mining	0	0	0	0
Gold ore mining	<1	892	1,687	2,276
Silver ore mining	<1	473	1,029	1,732
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	151	297	482
Stone mining and quarrying	<1	466	2,213	3,729
Sand and gravel mining	<1	509	1,413	2,364
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	160	390	647
Drilling oil and gas wells	<1	2	2	5
Support activities for oil and gas operations	<1	112	123	283
Metal mining services	<1	348	363	1,496
Other nonmetallic minerals services	<1	31	34	121
Electric power generation - Hydroelectric	<1	1,040	2,624	5,958
Electric power generation - Fossil fuel	<1	3,100	10,610	33,967
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	44	143	377
Electric power generation - Wind	<1	100	689	1,726
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	10,436	32,818	100,027
Natural gas distribution	<1	3,517	8,387	21,834
Water, sewage and other systems	<1	353	740	2,100
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	15,663	20,909	55,630
Maintenance and repair construction of residential structures	<1	3,348	4,346	11,572
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	14	36
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	428	627	6,476
Flour milling	<1	230	377	2,846
Rice milling	<1	35	52	404
Malt manufacturing	<1	40	62	500
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	4	19	301
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	9	18	97
Beet sugar manufacturing	<1	307	540	3,193

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	24	34	205
Chocolate and confectionery manufacturing from cacao beans	<1	8	11	74
Confectionery manufacturing from purchased chocolate	<1	27	35	275
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	<1	<1	1
Canned fruits and vegetables manufacturing	<1	9	15	126
Canned specialties	<1	1	2	13
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	28	37	511
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	363	507	4,137
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	7	9	51
Frozen cakes and other pastries manufacturing	<1	180	209	430
Poultry processing	<1	45	52	326
Animal, except poultry, slaughtering	<1	132	159	2,214
Meat processed from carcasses	<1	372	352	4,118
Rendering and meat byproduct processing	<1	6	7	36
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	697	862	2,505
Cookie and cracker manufacturing	<1	35	46	376
Dry pasta, mixes, and dough manufacturing	<1	91	169	869
Tortilla manufacturing	<1	14	17	134
Roasted nuts and peanut butter manufacturing	<1	54	61	355
Other snack food manufacturing	<1	74	107	587
Coffee and tea manufacturing	<1	21	34	435
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	4
Spice and extract manufacturing	<1	1	2	10
All other food manufacturing	<1	13	18	114

Appendix

Bottled and canned soft drinks & water	<1	412	615	4,219
Manufactured ice	<1	55	21	226
Breweries	<1	529	1,041	5,203
Wineries	<1	27	41	289
Distilleries	<1	89	428	1,713
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	6	7	93
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	9
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	4	4	19
Textile bag and canvas mills	<1	11	10	54
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	61	60	300
Hosiery and sock mills	<1	<1	<1	3
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	6	7	51
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	2
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	8
Apparel accessories and other apparel manufacturing	<1	<1	1	9
Leather and hide tanning and finishing	<1	3	4	55
Footwear manufacturing	<1	1	1	12
Other leather and allied product manufacturing	<1	2	2	14
Sawmills	<1	668	1,275	4,519
Wood preservation	<1	38	142	437
Veneer and plywood manufacturing	<1	185	359	934
Engineered wood member and truss manufacturing	<1	148	262	746
Reconstituted wood product manufacturing	<1	318	996	2,791
Wood windows and door manufacturing	<1	369	605	1,939

Appendix

Cut stock, resawing lumber, and planing	<1	133	306	755
Other millwork, including flooring	<1	129	255	776
Wood container and pallet manufacturing	<1	76	123	362
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	78	126	354
All other miscellaneous wood product manufacturing	<1	13	24	119
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	54	121	366
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	3,735	5,674	12,825
Support activities for printing	<1	7	9	15
Petroleum refineries	<1	5,049	23,482	141,110
Asphalt paving mixture and block manufacturing	<1	52	73	355
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	25	67	206
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	16	68	1,247
Industrial gas manufacturing	<1	253	281	1,147
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	212	236	1,190
Other basic organic chemical manufacturing	<1	547	678	6,057
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	4	6	51
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	112	137	758
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	8	9	50
Pesticide and other agricultural chemical manufacturing	<1	157	249	2,652
Medicinal and botanical manufacturing	<1	31	30	205
Pharmaceutical preparation manufacturing	<1	1	2	18
In-vitro diagnostic substance manufacturing	<1	<1	<1	3
Biological product (except diagnostic) manufacturing	<1	35	39	167
Paint and coating manufacturing	<1	2	3	28
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	23	37	441
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	14	19	162
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	113	142	1,006
Other miscellaneous chemical product manufacturing	<1	62	73	581
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	<1	25	40	219
Plastics pipe and pipe fitting manufacturing	<1	14	25	150
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	85	115	630
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	299	363	1,549

Appendix

Tire manufacturing	<1	172	219	1,463
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	27	33	160
Pottery, ceramics, and plumbing fixture manufacturing	<1	4	7	24
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	8	15	35
Cement manufacturing	<1	212	565	1,527
Ready-mix concrete manufacturing	<1	627	1,151	4,484
Concrete block and brick manufacturing	<1	84	166	429
Concrete pipe manufacturing	<1	46	83	212
Other concrete product manufacturing	<1	204	306	902
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	88	269	436
Cut stone and stone product manufacturing	<1	222	272	664
Ground or treated mineral and earth manufacturing	<1	137	409	823
Mineral wool manufacturing	<1	159	397	854
Miscellaneous nonmetallic mineral products manufacturing	<1	57	185	388
Iron and steel mills and ferroalloy manufacturing	<1	1	3	17
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	<1	<1	1
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	<1	<1	1

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	1	2	9
Secondary processing of other nonferrous metals	<1	<1	<1	2
Ferrous metal foundries	<1	34	66	181
Nonferrous metal foundries	<1	19	33	101
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	6	7	31
Iron and steel forging	<1	10	14	73
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	11	23	115
Handtool manufacturing	<1	40	58	166
Prefabricated metal buildings and components manufacturing	<1	2	3	13
Fabricated structural metal manufacturing	<1	395	546	2,260
Plate work manufacturing	<1	139	154	539
Metal window and door manufacturing	<1	64	82	246
Sheet metal work manufacturing	<1	128	160	470
Ornamental and architectural metal work manufacturing	<1	137	170	615
Power boiler and heat exchanger manufacturing	<1	<1	1	4
Metal tank (heavy gauge) manufacturing	<1	2	2	9
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	10	15	67
Spring and wire product manufacturing	<1	4	6	24
Machine shops	<1	277	328	866
Turned product and screw, nut, and bolt manufacturing	<1	16	21	73
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	17	27	96
Electroplating, anodizing, and coloring metal	<1	22	25	75
Valve and fittings, other than plumbing, manufacturing	<1	13	18	57

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	65	120	400
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	85	139	465
Fabricated pipe and pipe fitting manufacturing	<1	15	18	52
Other fabricated metal manufacturing	<1	176	221	786
Farm machinery and equipment manufacturing	<1	13	16	111
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	79	88	572
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	2	2	8
Semiconductor machinery manufacturing	<1	51	52	235
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	4	4	15
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	1	5
Optical instrument and lens manufacturing	<1	2	2	7
Photographic and photocopying equipment manufacturing	<1	<1	<1	1
Other commercial service industry machinery manufacturing	<1	1	1	7
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	14	14	102
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	16	16	56
Special tool, die, jig, and fixture manufacturing	0	0	0	0

Appendix

Cutting tool and machine tool accessory manufacturing	<1	14	14	56
Machine tool manufacturing	<1	1	1	6
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	<1	5	5	26
Other engine equipment manufacturing	<1	2	2	22
Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	4
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	4	3	22
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	9
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	<1	<1	<1	1
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	1
Telephone apparatus manufacturing	<1	1	2	9

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	1	5
Other communications equipment manufacturing	<1	<1	1	7
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	3	4	24
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	2
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	17	22	75
Other electronic component manufacturing	<1	8	9	32
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	1	2	5
Industrial process variable instruments manufacturing	<1	2	2	7
Totalizing fluid meter and counting device manufacturing	<1	4	6	22
Electricity and signal testing instruments manufacturing	<1	32	41	176
Analytical laboratory instrument manufacturing	<1	21,628	29,346	84,393
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	6	8	27
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	3
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	2	3	11
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	1	2	7
Switchgear and switchboard apparatus manufacturing	<1	<1	2	5
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	4	6	30
Wiring device manufacturing	<1	16	31	111
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	1	1	5
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	3	12
Truck trailer manufacturing	<1	3	4	17
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	901	1,021	3,993
Motor vehicle gasoline engine and engine parts manufacturing	<1	13	19	136
Motor vehicle electrical and electronic equipment manufacturing	<1	24	44	219
Motor vehicle transmission and power train parts manufacturing	<1	40	57	336
Motor vehicle seating and interior trim manufacturing	<1	3	4	27
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	21	29	158

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	0	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	3	2	13
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	5
Ship building and repairing	0	0	0	0
Boat building	<1	14	9	168
Motorcycle, bicycle, and parts manufacturing	<1	3	-8	28
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	6	-2	60
Wood kitchen cabinet and countertop manufacturing	<1	172	142	522
Upholstered household furniture manufacturing	<1	6	6	32
Nonupholstered wood household furniture manufacturing	<1	60	55	218
Other household nonupholstered furniture manufacturing	<1	5	4	31
Institutional furniture manufacturing	<1	1	1	8
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	10	9	39
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	1	<1	5
Mattress manufacturing	<1	2	1	20
Blind and shade manufacturing	<1	1	1	7
Surgical and medical instrument manufacturing	<1	11	15	59
Surgical appliance and supplies manufacturing	<1	28	38	177
Dental equipment and supplies manufacturing	<1	6	7	31

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Ophthalmic goods manufacturing	<1	5	6	22
Dental laboratories	<1	17	17	35
Jewelry and silverware manufacturing	<1	269	318	1,039
Sporting and athletic goods manufacturing	<1	106	124	553
Doll, toy, and game manufacturing	<1	68	78	372
Office supplies (except paper) manufacturing	<1	21	25	166
Sign manufacturing	<1	373	300	959
Gasket, packing, and sealing device manufacturing	<1	56	61	216
Musical instrument manufacturing	<1	47	47	136
Fasteners, buttons, needles, and pins manufacturing	<1	39	44	137
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	86	95	279
All other miscellaneous manufacturing	<1	89	105	388
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,538	5,292	13,101
Wholesale - Professional and commercial equipment and supplies	<1	5,772	8,511	16,459
Wholesale - Household appliances and electrical and electronic goods	<1	2,795	6,067	14,194
Wholesale - Machinery, equipment, and supplies	<1	7,379	12,897	24,103
Wholesale - Other durable goods merchant wholesalers	<1	7,818	12,433	26,169
Wholesale - Drugs and druggists' sundries	<1	2,895	7,637	14,746
Wholesale - Grocery and related product wholesalers	<1	7,220	9,419	19,960
Wholesale - Petroleum and petroleum products	<1	2,507	16,420	21,760
Wholesale - Other nondurable goods merchant wholesalers	<1	13,770	24,311	54,362
Wholesale - Wholesale electronic markets and agents and brokers	<1	5,894	6,073	7,322
Retail - Motor vehicle and parts dealers	<1	10,550	13,107	21,361
Retail - Furniture and home furnishings stores	<1	4,954	5,300	9,900
Retail - Electronics and appliance stores	<1	4,025	3,184	6,615

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Retail - Building material and garden equipment and supplies stores	<1	7,358	10,416	16,713
Retail - Food and beverage stores	<1	15,911	18,346	31,899
Retail - Health and personal care stores	<1	6,229	7,023	11,972
Retail - Gasoline stores	<1	6,864	8,309	16,488
Retail - Clothing and clothing accessories stores	<1	3,765	4,457	11,484
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,300	4,605	9,114
Retail - General merchandise stores	<1	15,280	16,204	29,295
Retail - Miscellaneous store retailers	<1	10,505	10,043	15,680
Retail - Nonstore retailers	<1	5,988	15,337	50,074
Air transportation	<1	5,173	14,082	28,557
Rail transportation	<1	3,135	11,136	15,830
Water transportation	<1	-67	-57	2,544
Truck transportation	<1	19,073	22,506	45,363
Transit and ground passenger transportation	<1	3,192	4,114	6,006
Pipeline transportation	<1	4,328	7,498	9,245
Scenic and sightseeing transportation and support activities for transportation	<1	16,989	18,750	44,128
Couriers and messengers	<1	7,773	10,829	17,233
Warehousing and storage	<1	1,346	1,513	6,337
Newspaper publishers	<1	4,171	7,344	10,142
Periodical publishers	<1	453	745	1,494
Book publishers	<1	418	1,365	2,540
Directory, mailing list, and other publishers	<1	170	487	794
Greeting card publishing	0	0	0	0
Software publishers	<1	3,676	8,606	10,305
Motion picture and video industries	<1	2,006	4,456	13,586
Sound recording industries	<1	154	1,237	2,468
Radio and television broadcasting	<1	6,987	9,471	46,548
Cable and other subscription programming	<1	160	1,342	3,827
Wired telecommunications carriers	<1	12,239	24,219	46,305
Wireless telecommunications carriers (except satellite)	<1	671	3,952	11,434

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Satellite, telecommunications resellers, and all other telecommunications	<1	783	1,063	3,290
Data processing, hosting, and related services	<1	4,290	7,922	30,583
News syndicates, libraries, archives and all other information services	<1	668	1,048	2,434
Internet publishing and broadcasting and web search portals	<1	1,120	2,271	13,220
Nondepository credit intermediation and related activities	<1	7,346	9,128	15,725
Securities and commodity contracts intermediation and brokerage	<1	18,127	18,394	45,961
Monetary authorities and depository credit intermediation	<1	64,231	161,744	294,230
Other financial investment activities	<1	3,277	5,087	17,016
Direct life insurance carriers	<1	329	666	987
Insurance carriers, except direct life	<1	7,847	26,732	62,689
Insurance agencies, brokerages, and related activities	<1	13,965	21,329	59,991
Funds, trusts, and other financial vehicles	<1	3,021	3,509	24,598
Other real estate	5	71,724	226,159	763,134
Tenant-occupied housing	<1	2,541	44,808	52,022
Owner-occupied dwellings	0	0	151,847	192,764
Automotive equipment rental and leasing	<1	4,685	10,393	17,933
General and consumer goods rental except video tapes and discs	<1	3,616	4,443	8,288
Video tape and disc rental	<1	788	1,208	2,055
Commercial and industrial machinery and equipment rental and leasing	<1	3,080	6,320	10,299
Lessors of nonfinancial intangible assets	<1	406	10,147	12,745
Legal services	1	78,187	108,617	181,104
Accounting, tax preparation, bookkeeping, and payroll services	<1	21,273	26,980	45,507
Architectural, engineering, and related services	<1	47,510	50,926	100,157
Specialized design services	<1	1,241	1,826	3,196
Custom computer programming services	<1	8,216	8,409	13,312

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Computer systems design services	<1	9,996	9,102	13,010
Other computer related services, including facilities management	<1	2,654	3,806	8,267
Management consulting services	<1	47,670	49,277	89,195
Environmental and other technical consulting services	<1	15,758	16,425	27,350
Scientific research and development services	21	1,292,094	1,551,501	3,803,079
Advertising, public relations, and related services	<1	10,079	13,504	32,404
Photographic services	<1	577	1,227	2,613
Veterinary services	<1	2,402	2,868	4,944
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	15,819	27,362	56,463
Management of companies and enterprises	<1	40,207	46,691	93,422
Office administrative services	<1	19,582	9,103	23,874
Facilities support services	<1	2,357	3,449	9,085
Employment services	1	48,564	68,694	109,393
Business support services	<1	13,727	11,653	22,662
Travel arrangement and reservation services	<1	3,915	4,988	12,944
Investigation and security services	<1	6,600	6,399	9,544
Services to buildings	<1	10,676	14,196	30,923
Landscape and horticultural services	<1	10,778	12,832	25,458
Other support services	<1	3,017	3,720	7,911
Waste management and remediation services	<1	5,899	10,371	19,972
Elementary and secondary schools	<1	4,137	4,285	5,323
Junior colleges, colleges, universities, and professional schools	3	78,147	128,566	191,011
Other educational services	<1	3,609	4,304	9,637
Offices of physicians	<1	54,490	57,549	79,503
Offices of dentists	<1	11,921	14,223	20,886
Offices of other health practitioners	<1	10,364	13,870	19,264
Outpatient care centers	<1	6,874	6,424	12,219
Medical and diagnostic laboratories	<1	1,464	1,922	2,669
Home health care services	<1	8,126	7,939	10,713
Other ambulatory health care services	<1	3,652	4,054	6,879

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Hospitals	1	99,595	115,568	220,068
Nursing and community care facilities	<1	11,554	12,954	23,726
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,016	5,401	8,846
Individual and family services	<1	10,891	8,842	14,153
Child day care services	<1	4,292	5,378	8,129
Community food, housing, and other relief services, including rehabilitation services	<1	3,485	3,405	8,366
Performing arts companies	<1	1,380	1,911	5,631
Commercial Sports Except Racing	<1	1,656	1,373	3,925
Racing and Track Operation	<1	89	150	401
Independent artists, writers, and performers	<1	2,919	7,951	19,573
Promoters of performing arts and sports and agents for public figures	<1	947	1,588	5,815
Museums, historical sites, zoos, and parks	<1	931	1,136	2,147
Amusement parks and arcades	<1	131	195	373
Gambling industries (except casino hotels)	<1	2,839	7,729	14,069
Other amusement and recreation industries	<1	3,920	3,828	7,552
Fitness and recreational sports centers	<1	1,780	2,245	5,101
Bowling centers	<1	341	486	1,047
Hotels and motels, including casino hotels	<1	980	1,885	3,442
Other accommodations	<1	175	283	396
Full-service restaurants	1	29,314	38,395	74,448
Limited-service restaurants	<1	18,039	24,620	58,945
All other food and drinking places	<1	19,082	27,150	45,885
Automotive repair and maintenance, except car washes	<1	19,164	16,459	29,102
Car washes	<1	8,643	10,988	18,132
Electronic and precision equipment repair and maintenance	<1	4,269	4,346	8,872
Commercial and industrial machinery and equipment repair and maintenance	<1	8,576	6,819	12,434
Personal and household goods repair and maintenance	<1	2,562	3,927	6,559
Personal care services	<1	5,539	4,804	6,553
Death care services	<1	1,391	915	1,391

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Dry-cleaning and laundry services	<1	4,972	3,052	4,327
Other personal services	<1	4,676	5,312	8,166
Religious organizations	<1	12,718	3,654	24,103
Grantmaking, giving, and social advocacy organizations	<1	4,773	12,018	22,346
Business and professional associations	<1	4,191	6,244	13,485
Labor and civic organizations	<1	2,675	6,089	13,217
Private households	<1	1,165	1,165	1,165
Postal service	<1	10,291	10,294	11,064
Federal electric utilities	<1	1,802	2,879	14,495
Other federal government enterprises	<1	387	-2,014	310
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	623	793	1,349
Local government passenger transit	<1	2,484	-1,462	3,106
Local government electric utilities	<1	268	783	1,602
Other local government enterprises	<1	9,085	20,094	45,282
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Nebraska

NASA

Table 706: Detailed NASA Impacts by Types of Impact, Nebraska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	40	2,733,594	4,464,558	8,597,685
Oilseed farming	<1	3,907	13,816	38,949
Grain farming	<1	2,679	3,975	24,335
Vegetable and melon farming	<1	452	732	2,018
Fruit farming	<1	23	39	83
Tree nut farming	<1	2	4	9
Greenhouse, nursery, and floriculture production	<1	530	694	1,682
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	185	234	598
All other crop farming	<1	445	573	1,454
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,104	4,952	28,326
Dairy cattle and milk production	<1	234	452	3,828
Poultry and egg production	<1	80	114	1,525
Animal production, except cattle and poultry and eggs	<1	1,022	2,510	5,987
Forestry, forest products, and timber tract production	<1	56	62	76
Commercial logging	<1	197	234	457
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	-2	36	118
Support activities for agriculture and forestry	<1	1,051	974	1,223
Oil and gas extraction	<1	570	45	4,913
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	60	107	219
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	247	723	1,370
Sand and gravel mining	<1	291	604	1,297

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	45	78	146
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	3	2	10
Metal mining services	<1	28	3	313
Other nonmetallic minerals services	<1	1	<1	11
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	530	1,297	1,857
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	310	923	1,212
Electric power generation - Wind	<1	1,020	6,324	7,840
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	4,073	9,092	12,497
Natural gas distribution	<1	12,263	26,697	31,660
Water, sewage and other systems	<1	1,220	1,889	2,298
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,928	5,815	21,128
Maintenance and repair construction of residential structures	<1	3,087	2,948	9,697
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	5	16
Dog and cat food manufacturing	<1	454	1,720	5,344
Other animal food manufacturing	<1	342	662	4,582
Flour milling	<1	202	463	2,354
Rice milling	0	0	0	0
Malt manufacturing	<1	265	580	2,298
Wet corn milling	<1	588	1,958	7,113
Soybean and other oilseed processing	<1	96	694	4,419
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	1,287	3,990	7,777
Beet sugar manufacturing	<1	188	501	1,682
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	22	39	154
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	19	31	125
Frozen fruits, juices and vegetables manufacturing	<1	166	410	1,529
Frozen specialties manufacturing	<1	178	283	1,145
Canned fruits and vegetables manufacturing	<1	55	138	490
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	3	7	26
Cheese manufacturing	<1	6	11	155
Dry, condensed, and evaporated dairy product manufacturing	<1	247	763	3,794
Fluid milk manufacturing	<1	303	576	3,295
Creamery butter manufacturing	<1	61	379	1,900
Ice cream and frozen dessert manufacturing	<1	21	34	142
Frozen cakes and other pastries manufacturing	<1	280	419	791

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Poultry processing	<1	824	1,119	4,434
Animal, except poultry, slaughtering	<1	4,535	6,153	41,224
Meat processed from carcasses	<1	1,219	1,191	9,199
Rendering and meat byproduct processing	<1	85	80	394
Seafood product preparation and packaging	<1	79	113	555
Bread and bakery product, except frozen, manufacturing	<1	1,424	2,249	4,723
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	4	12	36
Tortilla manufacturing	<1	146	198	600
Roasted nuts and peanut butter manufacturing	<1	83	158	606
Other snack food manufacturing	<1	101	232	858
Coffee and tea manufacturing	<1	2	4	36
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	5	11	42
Spice and extract manufacturing	<1	8	16	60
All other food manufacturing	<1	267	454	1,899
Bottled and canned soft drinks & water	<1	278	485	2,045
Manufactured ice	<1	39	33	111
Breweries	<1	175	501	1,899
Wineries	<1	67	128	702
Distilleries	<1	13	94	240
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	64	129	468
Broadwoven fabric mills	<1	13	29	83
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	28	76	206
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3	5	21
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	5	8	25
Textile bag and canvas mills	<1	11	16	47
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	53	75	211
Hosiery and sock mills	<1	<1	2	4

Appendix

Other apparel knitting mills	<1	1	2	5
Cut and sew apparel contractors	<1	2	3	7
Mens and boys cut and sew apparel manufacturing	<1	<1	1	4
Womens and girls cut and sew apparel manufacturing	<1	4	7	42
Other cut and sew apparel manufacturing	<1	5	8	36
Apparel accessories and other apparel manufacturing	<1	2	3	10
Leather and hide tanning and finishing	<1	53	99	292
Footwear manufacturing	<1	1	2	5
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	33	55	212
Wood preservation	<1	27	78	274
Veneer and plywood manufacturing	<1	21	35	154
Engineered wood member and truss manufacturing	<1	172	267	791
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	474	676	1,968
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	30	50	142
Wood container and pallet manufacturing	<1	267	373	1,067
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	33	46	144
All other miscellaneous wood product manufacturing	<1	49	74	227
Pulp mills	0	0	0	0
Paper mills	<1	201	337	1,806
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,332	1,791	9,246
Paper bag and coated and treated paper manufacturing	<1	31	47	271
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	149	323	1,666
All other converted paper product manufacturing	<1	9	12	58

Appendix

Printing	<1	4,108	5,692	12,751
Support activities for printing	<1	370	484	786
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	187	130	273
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	516	-149	401
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	159	410	1,429
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	54	122	291
Other basic organic chemical manufacturing	<1	483	1,157	7,033
Plastics material and resin manufacturing	<1	663	1,187	6,974
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	77	216	507
Phosphatic fertilizer manufacturing	<1	36	76	201
Fertilizer mixing	<1	10	23	60
Pesticide and other agricultural chemical manufacturing	<1	91	312	992
Medicinal and botanical manufacturing	<1	17	33	82
Pharmaceutical preparation manufacturing	<1	189	763	1,813
In-vitro diagnostic substance manufacturing	<1	74	116	254
Biological product (except diagnostic) manufacturing	<1	152	376	786
Paint and coating manufacturing	<1	99	214	673
Adhesive manufacturing	<1	114	223	994
Soap and other detergent manufacturing	<1	246	845	2,549
Polish and other sanitation good manufacturing	<1	45	77	201
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	73	303	918
Printing ink manufacturing	<1	8	9	37

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	31	70	369
Photographic film and chemical manufacturing	<1	<1	3	45
Other miscellaneous chemical product manufacturing	<1	3	6	31
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	439	732	2,765
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	1,044	2,869	9,896
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	8	43
Polystyrene foam product manufacturing	<1	56	97	342
Urethane and other foam product (except polystyrene) manufacturing	<1	17	27	106
Plastics bottle manufacturing	<1	25	41	213
Other plastics product manufacturing	<1	2,140	3,171	11,032
Tire manufacturing	<1	43	66	253
Rubber and plastics hoses and belting manufacturing	<1	164	246	680
Other rubber product manufacturing	<1	264	379	1,297
Pottery, ceramics, and plumbing fixture manufacturing	<1	61	85	196
Brick, tile, and other structural clay product manufacturing	<1	1,672	2,719	6,789
Flat glass manufacturing	<1	14	27	67
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	17	28	81
Cement manufacturing	<1	312	679	1,771
Ready-mix concrete manufacturing	<1	589	949	3,211
Concrete block and brick manufacturing	<1	1,475	2,523	7,234
Concrete pipe manufacturing	<1	44	70	172
Other concrete product manufacturing	<1	1,928	2,592	6,725
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	121	142	313
Ground or treated mineral and earth manufacturing	<1	55	134	347
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	4	11	30
Iron and steel mills and ferroalloy manufacturing	<1	867	1,593	7,476
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	168	345	1,328
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1,058	1,587	9,829
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	59	87	267
Nonferrous metal foundries	<1	52	74	238
Custom roll forming	<1	138	229	1,211
Crown and closure manufacturing and metal stamping	<1	100	126	385
Iron and steel forging	<1	1,726	2,767	10,578
Nonferrous forging	<1	479	688	2,909
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	3	5	11
Prefabricated metal buildings and components manufacturing	<1	191	266	842
Fabricated structural metal manufacturing	<1	1,350	1,961	6,038
Plate work manufacturing	<1	274	301	922
Metal window and door manufacturing	<1	79	106	298
Sheet metal work manufacturing	<1	5,541	7,268	20,946

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Ornamental and architectural metal work manufacturing	<1	39	51	185
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	206	261	825
Metal cans manufacturing	<1	11	25	121
Metal barrels, drums and pails manufacturing	<1	47	58	239
Hardware manufacturing	<1	38	59	204
Spring and wire product manufacturing	<1	11	15	60
Machine shops	<1	1,438	1,755	3,999
Turned product and screw, nut, and bolt manufacturing	<1	565	824	2,803
Metal heat treating	<1	57	81	188
Metal coating and nonprecious engraving	<1	250	429	1,164
Electroplating, anodizing, and coloring metal	<1	894	1,014	2,167
Valve and fittings, other than plumbing, manufacturing	<1	27	42	148
Plumbing fixture fitting and trim manufacturing	<1	586	1,563	5,218
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	679	1,380	2,818
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	40	74	161
Fabricated pipe and pipe fitting manufacturing	<1	18	22	73
Other fabricated metal manufacturing	<1	623	810	2,482
Farm machinery and equipment manufacturing	<1	87	158	566
Lawn and garden equipment manufacturing	<1	18	35	158
Construction machinery manufacturing	<1	11	28	88
Mining machinery and equipment manufacturing	<1	1	2	7
Oil and gas field machinery and equipment manufacturing	<1	4	8	23
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	15	21	55
Other commercial service industry machinery manufacturing	<1	16	28	91
Air purification and ventilation equipment manufacturing	<1	4	6	17
Heating equipment (except warm air furnaces) manufacturing	<1	46	75	234
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	59	115	361
Industrial mold manufacturing	<1	14	17	34
Special tool, die, jig, and fixture manufacturing	<1	78	107	200
Cutting tool and machine tool accessory manufacturing	<1	43	51	133
Machine tool manufacturing	<1	20	26	81
Rolling mill and other metalworking machinery manufacturing	<1	13	16	40
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1	2	6
Mechanical power transmission equipment manufacturing	<1	22	38	94
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	7	12	39
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	89	103	322
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	7	28
Industrial truck, trailer, and stacker manufacturing	<1	22	38	137

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Power-driven handtool manufacturing	<1	2	6	17
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	2	3	8
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	33	50	164
Fluid power pump and motor manufacturing	<1	8	14	45
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	5	14
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	3	453,811	735,881	1,567,922
Telephone apparatus manufacturing	<1	4	6	17
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	12	18	69
Audio and video equipment manufacturing	<1	2	3	11
Printed circuit assembly (electronic assembly) manufacturing	<1	144	236	1,060
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	134	208	597
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,299	1,802	5,557
Electronic connector manufacturing	<1	2,978	4,349	13,577
Other electronic component manufacturing	<1	172	232	1,050
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	2
Automatic environmental control manufacturing	<1	12	15	34

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Industrial process variable instruments manufacturing	<1	3	5	12
Totalizing fluid meter and counting device manufacturing	<1	11	22	55
Electricity and signal testing instruments manufacturing	<1	30	46	202
Analytical laboratory instrument manufacturing	<1	4	7	21
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	8	13	33
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	28	40	146
Electric lamp bulb and part manufacturing	<1	4	13	26
Lighting fixture manufacturing	<1	31	67	154
Small electrical appliance manufacturing	<1	<1	2	5
Household cooking appliance manufacturing	<1	2	9	20
Household refrigerator and home freezer manufacturing	<1	<1	4	9
Household laundry equipment manufacturing	<1	2	6	20
Other major household appliance manufacturing	<1	<1	2	5
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	271	736	1,398
Relay and industrial control manufacturing	<1	10	19	45
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	307	711	1,713
Wiring device manufacturing	<1	603	1,981	4,303
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	50	69	192
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	31	40	156
Truck trailer manufacturing	<1	9	11	48
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	62	69	303
Motor vehicle gasoline engine and engine parts manufacturing	<1	317	455	2,344
Motor vehicle electrical and electronic equipment manufacturing	<1	368	456	2,197
Motor vehicle transmission and power train parts manufacturing	<1	250	374	2,045
Motor vehicle seating and interior trim manufacturing	<1	22	26	143
Motor vehicle metal stamping	<1	69	83	420
Other motor vehicle parts manufacturing	<1	2,304	2,997	13,628
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	253	387	1,599
Aircraft manufacturing	<1	<1	<1	4
Aircraft engine and engine parts manufacturing	<1	2	2	10
Other aircraft parts and auxiliary equipment manufacturing	<1	1	1	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	2	2	12
Ship building and repairing	0	0	0	0
Boat building	<1	133	133	552
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	555	487	4,120
Wood kitchen cabinet and countertop manufacturing	<1	355	547	1,225
Upholstered household furniture manufacturing	0	0	0	0

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Nonupholstered wood household furniture manufacturing	<1	22	29	84
Other household nonupholstered furniture manufacturing	<1	5	10	34
Institutional furniture manufacturing	<1	2	2	7
Wood office furniture manufacturing	<1	1	2	6
Custom architectural woodwork and millwork	<1	4	4	12
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	278	467	1,208
Mattress manufacturing	<1	7	15	49
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	390	1,399	2,433
Surgical appliance and supplies manufacturing	<1	85	333	523
Dental equipment and supplies manufacturing	<1	2	6	11
Ophthalmic goods manufacturing	<1	3	12	22
Dental laboratories	<1	29	31	56
Jewelry and silverware manufacturing	<1	66	110	314
Sporting and athletic goods manufacturing	<1	20	44	106
Doll, toy, and game manufacturing	<1	8	25	49
Office supplies (except paper) manufacturing	<1	23	56	146
Sign manufacturing	<1	225	228	545
Gasket, packing, and sealing device manufacturing	<1	4	7	15
Musical instrument manufacturing	<1	15	19	43
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	76	232	464
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	24,810	45,737	89,494
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,087	4,791	10,124
Wholesale - Professional and commercial equipment and supplies	<1	33,054	53,763	87,171

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Wholesale - Household appliances and electrical and electronic goods	<1	13,157	31,478	66,322
Wholesale - Machinery, equipment, and supplies	<1	7,505	14,355	24,361
Wholesale - Other durable goods merchant wholesalers	<1	18,458	31,642	57,204
Wholesale - Drugs and druggists' sundries	<1	4,904	14,881	25,080
Wholesale - Grocery and related product wholesalers	<1	5,267	7,233	13,352
Wholesale - Petroleum and petroleum products	<1	1,047	10,399	12,521
Wholesale - Other nondurable goods merchant wholesalers	<1	18,264	36,494	66,350
Wholesale - Wholesale electronic markets and agents and brokers	<1	4,047	4,200	4,915
Retail - Motor vehicle and parts dealers	<1	7,442	11,251	17,196
Retail - Furniture and home furnishings stores	<1	3,941	4,892	8,141
Retail - Electronics and appliance stores	<1	3,618	3,221	5,922
Retail - Building material and garden equipment and supplies stores	<1	4,394	7,626	11,920
Retail - Food and beverage stores	<1	10,845	14,460	26,027
Retail - Health and personal care stores	<1	8,115	9,838	15,451
Retail - Gasoline stores	<1	4,040	6,118	11,608
Retail - Clothing and clothing accessories stores	<1	3,581	5,601	13,016
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,938	3,786	6,811
Retail - General merchandise stores	<1	11,438	14,883	26,120
Retail - Miscellaneous store retailers	<1	3,797	4,692	9,424
Retail - Nonstore retailers	<1	7,081	22,904	51,450
Air transportation	<1	991	4,858	9,119
Rail transportation	<1	1,956	6,228	8,908
Water transportation	<1	1	1	121
Truck transportation	<1	18,939	25,348	46,608
Transit and ground passenger transportation	<1	2,134	2,851	4,460
Pipeline transportation	<1	7,890	5,942	5,709
Scenic and sightseeing transportation and support activities for transportation	<1	7,634	8,775	18,258

Appendix

Couriers and messengers	<1	4,469	7,012	11,319
Warehousing and storage	<1	8,633	10,906	20,613
Newspaper publishers	<1	2,464	4,317	5,643
Periodical publishers	<1	1,964	3,166	4,437
Book publishers	<1	114	361	630
Directory, mailing list, and other publishers	<1	2,697	7,737	11,148
Greeting card publishing	0	0	0	0
Software publishers	<1	69,546	161,407	181,118
Motion picture and video industries	<1	723	1,302	6,281
Sound recording industries	<1	59	312	1,182
Radio and television broadcasting	<1	7,950	11,177	35,286
Cable and other subscription programming	<1	368	3,553	6,951
Wired telecommunications carriers	<1	5,764	16,660	29,774
Wireless telecommunications carriers (except satellite)	<1	896	9,118	19,197
Satellite, telecommunications resellers, and all other telecommunications	<1	909	1,495	4,308
Data processing, hosting, and related services	<1	23,709	48,828	114,334
News syndicates, libraries, archives and all other information services	<1	810	1,362	2,719
Internet publishing and broadcasting and web search portals	<1	7,877	17,723	61,115
Nondepository credit intermediation and related activities	<1	18,110	21,700	36,327
Securities and commodity contracts intermediation and brokerage	<1	23,927	20,753	45,925
Monetary authorities and depository credit intermediation	<1	42,338	90,992	176,715
Other financial investment activities	<1	9,312	11,666	34,155
Direct life insurance carriers	<1	7,220	23,638	29,437
Insurance carriers, except direct life	<1	16,445	112,660	163,949
Insurance agencies, brokerages, and related activities	<1	27,864	73,131	135,213
Funds, trusts, and other financial vehicles	<1	2,586	3,335	25,003
Other real estate	1	22,479	84,356	233,463
Tenant-occupied housing	<1	2,567	40,393	46,734

Appendix

Owner-occupied dwellings	0	0	134,671	170,959
Automotive equipment rental and leasing	<1	2,055	4,156	6,546
General and consumer goods rental except video tapes and discs	<1	2,948	3,737	6,183
Video tape and disc rental	<1	654	1,133	1,765
Commercial and industrial machinery and equipment rental and leasing	<1	2,382	4,560	6,758
Lessors of nonfinancial intangible assets	<1	479	14,531	16,047
Legal services	<1	25,026	44,084	61,666
Accounting, tax preparation, bookkeeping, and payroll services	<1	14,000	16,923	26,358
Architectural, engineering, and related services	<1	12,145	13,031	23,719
Specialized design services	<1	1,049	1,513	2,554
Custom computer programming services	<1	5,867	6,209	8,951
Computer systems design services	<1	8,577	7,877	10,377
Other computer related services, including facilities management	<1	6,593	8,339	16,527
Management consulting services	<1	15,471	15,996	25,924
Environmental and other technical consulting services	<1	3,980	4,150	6,600
Scientific research and development services	4	294,803	426,997	895,294
Advertising, public relations, and related services	<1	8,819	11,407	22,563
Photographic services	<1	395	833	1,774
Veterinary services	<1	2,150	2,505	4,134
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	9,884	15,209	31,212
Management of companies and enterprises	<1	78,483	92,167	157,019
Office administrative services	<1	13,177	6,326	13,962
Facilities support services	<1	3,497	5,516	11,832
Employment services	<1	37,066	56,853	79,734
Business support services	<1	10,894	9,502	16,305
Travel arrangement and reservation services	<1	2,701	3,706	9,043
Investigation and security services	<1	4,241	4,273	6,244
Services to buildings	<1	7,391	10,842	19,616
Landscape and horticultural services	<1	4,965	6,426	11,361

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Other support services	<1	2,383	3,180	6,169
Waste management and remediation services	<1	3,918	6,676	13,252
Elementary and secondary schools	<1	725	576	730
Junior colleges, colleges, universities, and professional schools	8	320,187	400,493	565,736
Other educational services	<1	3,643	4,159	9,186
Offices of physicians	<1	54,355	57,712	77,282
Offices of dentists	<1	9,672	12,659	17,745
Offices of other health practitioners	<1	7,665	11,856	15,853
Outpatient care centers	<1	13,792	12,924	20,485
Medical and diagnostic laboratories	<1	2,241	3,426	4,700
Home health care services	<1	5,336	5,214	6,642
Other ambulatory health care services	<1	3,285	3,774	6,189
Hospitals	<1	69,568	82,260	165,730
Nursing and community care facilities	<1	12,489	14,438	25,627
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,503	6,013	8,479
Individual and family services	<1	12,283	10,371	16,331
Child day care services	<1	4,179	5,612	8,269
Community food, housing, and other relief services, including rehabilitation services	<1	2,983	2,942	7,036
Performing arts companies	<1	910	1,201	2,818
Commercial Sports Except Racing	<1	684	489	1,118
Racing and Track Operation	<1	370	589	1,240
Independent artists, writers, and performers	<1	1,574	3,747	7,639
Promoters of performing arts and sports and agents for public figures	<1	2,146	3,377	10,232
Museums, historical sites, zoos, and parks	<1	1,081	1,269	2,446
Amusement parks and arcades	<1	166	339	502
Gambling industries (except casino hotels)	<1	1,427	5,535	8,603
Other amusement and recreation industries	<1	1,774	2,191	4,604
Fitness and recreational sports centers	<1	1,422	2,105	4,457
Bowling centers	<1	283	443	924

Appendix

Hotels and motels, including casino hotels	<1	783	1,520	2,597
Other accommodations	<1	297	381	531
Full-service restaurants	<1	16,252	25,175	45,661
Limited-service restaurants	<1	12,338	20,763	45,828
All other food and drinking places	<1	12,035	16,998	27,720
Automotive repair and maintenance, except car washes	<1	13,340	15,239	23,263
Car washes	<1	6,255	9,469	14,942
Electronic and precision equipment repair and maintenance	<1	21,534	26,265	44,282
Commercial and industrial machinery and equipment repair and maintenance	<1	5,566	6,460	9,707
Personal and household goods repair and maintenance	<1	1,600	3,095	4,521
Personal care services	<1	5,620	5,195	6,960
Death care services	<1	1,365	970	1,407
Dry-cleaning and laundry services	<1	3,453	2,324	3,169
Other personal services	<1	2,645	3,346	4,993
Religious organizations	<1	17,048	9,195	31,717
Grantmaking, giving, and social advocacy organizations	<1	3,900	13,360	20,205
Business and professional associations	<1	2,054	3,811	6,935
Labor and civic organizations	<1	1,851	5,816	12,214
Private households	<1	2,218	2,217	2,217
Postal service	<1	9,061	9,064	9,726
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	386	-2,657	356
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	267	324	570
Local government passenger transit	<1	609	-162	618
Local government electric utilities	<1	12,495	37,031	64,101
Other local government enterprises	<1	6,227	14,188	23,830
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	330,152	498,610	1,140,684

Moon to Mars Campaign

Table 707: Detailed M2M Campaign Impacts by Types of Impact, Nebraska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<1	58,826	109,628	223,868
Oilseed farming	<1	84	412	1,296
Grain farming	<1	42	65	379
Vegetable and melon farming	<1	9	14	40
Fruit farming	<1	<1	<1	2
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	4	6	14
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	4	5	11
All other crop farming	<1	6	9	22
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	39	81	424
Dairy cattle and milk production	<1	4	7	59
Poultry and egg production	<1	1	2	24
Animal production, except cattle and poultry and eggs	<1	12	33	80
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	<1	1	2	3
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	<1	2
Support activities for agriculture and forestry	<1	15	14	18
Oil and gas extraction	<1	6	<1	66

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	<1	<1	<1
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	6	15	30
Sand and gravel mining	<1	5	10	21
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	1	2
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	5
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	14	32	43
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5	17	22
Electric power generation - Wind	<1	18	113	137
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	88	196	256
Natural gas distribution	<1	158	354	402
Water, sewage and other systems	<1	24	35	40
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	120	102	362
Maintenance and repair construction of residential structures	<1	67	64	207
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	8	31	95
Other animal food manufacturing	<1	6	11	74
Flour milling	<1	3	7	37
Rice milling	0	0	0	0
Malt manufacturing	<1	4	8	30
Wet corn milling	<1	10	34	123
Soybean and other oilseed processing	<1	2	14	88
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	19	60	110
Beet sugar manufacturing	<1	2	6	21
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	3
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	2
Frozen fruits, juices and vegetables manufacturing	<1	3	8	28
Frozen specialties manufacturing	<1	3	5	20
Canned fruits and vegetables manufacturing	<1	1	3	11

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	<1	<1
Cheese manufacturing	<1	<1	<1	3
Dry, condensed, and evaporated dairy product manufacturing	<1	4	14	65
Fluid milk manufacturing	<1	5	9	51
Creamery butter manufacturing	<1	<1	6	28
Ice cream and frozen dessert manufacturing	<1	<1	<1	2
Frozen cakes and other pastries manufacturing	<1	5	7	13
Poultry processing	<1	14	20	77
Animal, except poultry, slaughtering	<1	55	75	496
Meat processed from carcasses	<1	25	25	188
Rendering and meat byproduct processing	<1	2	2	8
Seafood product preparation and packaging	<1	<1	1	5
Bread and bakery product, except frozen, manufacturing	<1	23	36	74
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	<1	<1	<1
Tortilla manufacturing	<1	3	4	11
Roasted nuts and peanut butter manufacturing	<1	2	3	12
Other snack food manufacturing	<1	2	5	16
Coffee and tea manufacturing	<1	<1	<1	<1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	<1
Spice and extract manufacturing	<1	<1	<1	1
All other food manufacturing	<1	6	10	40
Bottled and canned soft drinks & water	<1	5	10	40
Manufactured ice	<1	<1	<1	2
Breweries	<1	2	7	24
Wineries	<1	2	3	18
Distilleries	<1	<1	1	4
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	<1	1
Broadwoven fabric mills	<1	<1	<1	<1
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	<1	2	5
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	<1
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	<1	<1	<1
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	1	2	5
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	1	2	5
Footwear manufacturing	<1	<1	<1	<1
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	<1	<1	3
Wood preservation	<1	<1	1	4
Veneer and plywood manufacturing	<1	<1	<1	4
Engineered wood member and truss manufacturing	<1	6	9	28
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	4	6	18
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	<1	<1	2
Wood container and pallet manufacturing	<1	8	11	30
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	<1	<1	2
All other miscellaneous wood product manufacturing	<1	4	6	17
Pulp mills	0	0	0	0

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Paper mills	<1	3	5	26
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	27	36	184
Paper bag and coated and treated paper manufacturing	<1	<1	<1	5
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	3	6	32
All other converted paper product manufacturing	<1	<1	<1	1
Printing	<1	78	110	235
Support activities for printing	<1	8	10	16
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	3	2	5
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	12	-3	9
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	7	19	64
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	1	4	8
Other basic organic chemical manufacturing	<1	10	24	151
Plastics material and resin manufacturing	<1	18	33	194
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	2	6	14
Phosphatic fertilizer manufacturing	<1	<1	2	4
Fertilizer mixing	<1	<1	<1	1
Pesticide and other agricultural chemical manufacturing	<1	1	4	14
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	5	22	49
In-vitro diagnostic substance manufacturing	<1	3	5	10

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Biological product (except diagnostic) manufacturing	<1	5	12	24
Paint and coating manufacturing	<1	1	3	9
Adhesive manufacturing	<1	3	7	30
Soap and other detergent manufacturing	<1	5	18	48
Polish and other sanitation good manufacturing	<1	<1	2	4
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2	8	23
Printing ink manufacturing	<1	<1	<1	<1
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	<1	2	10
Photographic film and chemical manufacturing	<1	<1	<1	<1
Other miscellaneous chemical product manufacturing	<1	<1	<1	<1
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	14	23	85
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	41	114	390
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	<1	<1
Polystyrene foam product manufacturing	<1	<1	2	6
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	<1	2
Plastics bottle manufacturing	<1	<1	1	6
Other plastics product manufacturing	<1	48	71	240
Tire manufacturing	<1	<1	1	4
Rubber and plastics hoses and belting manufacturing	<1	2	3	10
Other rubber product manufacturing	<1	3	4	13
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	3	6
Brick, tile, and other structural clay product manufacturing	<1	43	67	173
Flat glass manufacturing	<1	<1	<1	1
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	<1	<1	1
Cement manufacturing	<1	8	16	43
Ready-mix concrete manufacturing	<1	8	13	43
Concrete block and brick manufacturing	<1	46	75	227
Concrete pipe manufacturing	<1	<1	1	3
Other concrete product manufacturing	<1	47	61	164
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	2	2	5
Ground or treated mineral and earth manufacturing	<1	1	3	7
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	<1
Iron and steel mills and ferroalloy manufacturing	<1	20	35	179
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	3	6	26
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	31	46	272
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	2	2	7
Nonferrous metal foundries	<1	1	1	5
Custom roll forming	<1	5	8	41
Crown and closure manufacturing and metal stamping	<1	3	4	13
Iron and steel forging	<1	69	109	413

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Nonferrous forging	<1	20	28	116
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	<1
Prefabricated metal buildings and components manufacturing	<1	6	8	26
Fabricated structural metal manufacturing	<1	113	160	498
Plate work manufacturing	<1	7	7	23
Metal window and door manufacturing	<1	1	2	5
Sheet metal work manufacturing	<1	153	199	568
Ornamental and architectural metal work manufacturing	<1	<1	1	4
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	10	13	39
Metal cans manufacturing	<1	<1	1	7
Metal barrels, drums and pails manufacturing	<1	2	2	8
Hardware manufacturing	<1	1	2	6
Spring and wire product manufacturing	<1	<1	<1	2
Machine shops	<1	33	40	92
Turned product and screw, nut, and bolt manufacturing	<1	24	34	114
Metal heat treating	<1	2	3	7
Metal coating and nonprecious engraving	<1	9	16	43
Electroplating, anodizing, and coloring metal	<1	32	36	78
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	3
Plumbing fixture fitting and trim manufacturing	<1	20	52	170
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	19	40	77
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	2	3	6
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	1
Other fabricated metal manufacturing	<1	15	19	59
Farm machinery and equipment manufacturing	<1	<1	2	6

Appendix

Lawn and garden equipment manufacturing	<1	<1	<1	4
Construction machinery manufacturing	<1	<1	<1	1
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	<1	<1	2
Other commercial service industry machinery manufacturing	<1	<1	<1	3
Air purification and ventilation equipment manufacturing	<1	<1	<1	<1
Heating equipment (except warm air furnaces) manufacturing	<1	<1	<1	2
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1	2	6
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	<1	3	4	7
Cutting tool and machine tool accessory manufacturing	<1	<1	1	3
Machine tool manufacturing	<1	<1	1	3
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	1
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	<1
Mechanical power transmission equipment manufacturing	<1	<1	<1	2
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2	2	7
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	3
Industrial truck, trailer, and stacker manufacturing	<1	<1	1	4
Power-driven handtool manufacturing	<1	<1	<1	<1
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	<1	1	4
Fluid power pump and motor manufacturing	<1	<1	<1	3
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	12,859	21,211	44,345
Telephone apparatus manufacturing	<1	<1	<1	<1
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	2
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	7	12	53
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	9	14	38

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	47	67	203
Electronic connector manufacturing	<1	98	143	452
Other electronic component manufacturing	<1	8	11	47
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	<1	<1
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	1	2	7
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	1	4
Electric lamp bulb and part manufacturing	<1	<1	<1	<1
Lighting fixture manufacturing	<1	2	4	9
Small electrical appliance manufacturing	<1	<1	<1	<1
Household cooking appliance manufacturing	<1	<1	<1	<1
Household refrigerator and home freezer manufacturing	<1	<1	<1	<1
Household laundry equipment manufacturing	<1	<1	<1	<1
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	17	47	87

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Relay and industrial control manufacturing	<1	<1	<1	2
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	14	31	74
Wiring device manufacturing	<1	30	99	203
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	1	2	6
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	3
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1	1	5
Motor vehicle gasoline engine and engine parts manufacturing	<1	6	8	44
Motor vehicle electrical and electronic equipment manufacturing	<1	6	7	33
Motor vehicle transmission and power train parts manufacturing	<1	7	10	49
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	3
Motor vehicle metal stamping	<1	<1	1	6
Other motor vehicle parts manufacturing	<1	50	60	297
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5	8	32
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	<1	<1	1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	<1	<1	<1
Ship building and repairing	0	0	0	0
Boat building	<1	2	2	10
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	13	11	95
Wood kitchen cabinet and countertop manufacturing	<1	8	11	26
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	2
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	6	10	26
Mattress manufacturing	<1	<1	<1	1
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	8	30	50
Surgical appliance and supplies manufacturing	<1	2	9	14
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	<1	<1	1
Jewelry and silverware manufacturing	<1	1	2	6
Sporting and athletic goods manufacturing	<1	<1	<1	2
Doll, toy, and game manufacturing	<1	<1	<1	1
Office supplies (except paper) manufacturing	<1	<1	1	3
Sign manufacturing	<1	3	3	8
Gasket, packing, and sealing device manufacturing	<1	<1	<1	<1

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Musical instrument manufacturing	<1	<1	<1	1
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	2	7	12
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	2	4
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	46	108	227
Wholesale - Professional and commercial equipment and supplies	<1	984	1,598	2,564
Wholesale - Household appliances and electrical and electronic goods	<1	410	973	2,034
Wholesale - Machinery, equipment, and supplies	<1	175	332	563
Wholesale - Other durable goods merchant wholesalers	<1	480	819	1,475
Wholesale - Drugs and druggists' sundries	<1	106	321	531
Wholesale - Grocery and related product wholesalers	<1	90	123	226
Wholesale - Petroleum and petroleum products	<1	19	234	276
Wholesale - Other nondurable goods merchant wholesalers	<1	384	794	1,408
Wholesale - Wholesale electronic markets and agents and brokers	<1	95	99	116
Retail - Motor vehicle and parts dealers	<1	156	235	357
Retail - Furniture and home furnishings stores	<1	84	104	171
Retail - Electronics and appliance stores	<1	76	69	124
Retail - Building material and garden equipment and supplies stores	<1	92	160	249
Retail - Food and beverage stores	<1	242	320	569
Retail - Health and personal care stores	<1	168	205	322
Retail - Gasoline stores	<1	90	132	243
Retail - Clothing and clothing accessories stores	<1	78	121	275
Retail - Sporting goods, hobby, musical instrument and book stores	<1	61	79	141
Retail - General merchandise stores	<1	232	303	532

Appendix

Retail - Miscellaneous store retailers	<1	81	100	197
Retail - Nonstore retailers	<1	147	506	1,121
Air transportation	<1	19	98	181
Rail transportation	<1	49	133	203
Water transportation	<1	<1	<1	2
Truck transportation	<1	541	720	1,325
Transit and ground passenger transportation	<1	50	67	101
Pipeline transportation	<1	88	73	71
Scenic and sightseeing transportation and support activities for transportation	<1	116	134	281
Couriers and messengers	<1	99	160	257
Warehousing and storage	<1	208	263	495
Newspaper publishers	<1	43	76	98
Periodical publishers	<1	44	72	96
Book publishers	<1	2	7	11
Directory, mailing list, and other publishers	<1	37	109	155
Greeting card publishing	0	0	0	0
Software publishers	<1	105	252	286
Motion picture and video industries	<1	17	30	131
Sound recording industries	<1	1	5	20
Radio and television broadcasting	<1	176	236	610
Cable and other subscription programming	<1	12	81	134
Wired telecommunications carriers	<1	119	332	586
Wireless telecommunications carriers (except satellite)	<1	19	196	404
Satellite, telecommunications resellers, and all other telecommunications	<1	18	29	81
Data processing, hosting, and related services	<1	155	315	722
News syndicates, libraries, archives and all other information services	<1	17	29	55
Internet publishing and broadcasting and web search portals	<1	141	319	1,025
Nondepository credit intermediation and related activities	<1	433	520	839
Securities and commodity contracts intermediation and brokerage	<1	553	470	952

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Monetary authorities and depository credit intermediation	<1	782	1,689	3,235
Other financial investment activities	<1	243	297	777
Direct life insurance carriers	<1	140	480	582
Insurance carriers, except direct life	<1	361	2,608	3,619
Insurance agencies, brokerages, and related activities	<1	669	1,827	3,225
Funds, trusts, and other financial vehicles	<1	64	85	544
Other real estate	<1	261	945	2,454
Tenant-occupied housing	<1	58	936	1,063
Owner-occupied dwellings	0	0	3,076	3,904
Automotive equipment rental and leasing	<1	57	96	145
General and consumer goods rental except video tapes and discs	<1	51	62	98
Video tape and disc rental	<1	14	24	37
Commercial and industrial machinery and equipment rental and leasing	<1	57	99	144
Lessors of nonfinancial intangible assets	<1	9	275	301
Legal services	<1	277	497	686
Accounting, tax preparation, bookkeeping, and payroll services	<1	290	360	546
Architectural, engineering, and related services	<1	164	179	321
Specialized design services	<1	21	32	52
Custom computer programming services	<1	111	116	165
Computer systems design services	<1	224	206	268
Other computer related services, including facilities management	<1	145	182	354
Management consulting services	<1	223	232	368
Environmental and other technical consulting services	<1	79	83	131
Scientific research and development services	<1	98	140	291
Advertising, public relations, and related services	<1	157	208	394
Photographic services	<1	8	18	36
Veterinary services	<1	44	53	85
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	92	144	295

Appendix

Management of companies and enterprises	<1	1,354	1,599	2,677
Office administrative services	<1	286	146	299
Facilities support services	<1	3,457	5,429	10,725
Employment services	<1	920	1,438	1,937
Business support services	<1	196	174	288
Travel arrangement and reservation services	<1	51	70	169
Investigation and security services	<1	128	130	183
Services to buildings	<1	142	211	368
Landscape and horticultural services	<1	93	121	209
Other support services	<1	50	67	128
Waste management and remediation services	<1	90	154	301
Elementary and secondary schools	<1	19	15	19
Junior colleges, colleges, universities, and professional schools	<1	252	314	426
Other educational services	<1	62	72	152
Offices of physicians	<1	1,157	1,235	1,653
Offices of dentists	<1	209	277	385
Offices of other health practitioners	<1	161	255	338
Outpatient care centers	<1	302	285	456
Medical and diagnostic laboratories	<1	49	77	104
Home health care services	<1	115	112	144
Other ambulatory health care services	<1	71	83	134
Hospitals	<1	1,673	1,964	3,937
Nursing and community care facilities	<1	279	323	562
Residential mental retardation, mental health, substance abuse and other facilities	<1	135	148	205
Individual and family services	<1	279	237	370
Child day care services	<1	95	129	186
Community food, housing, and other relief services, including rehabilitation services	<1	73	72	169
Performing arts companies	<1	21	28	61
Commercial Sports Except Racing	<1	13	9	21
Racing and Track Operation	<1	9	14	26
Independent artists, writers, and performers	<1	36	79	158

Appendix

Promoters of performing arts and sports and agents for public figures	<1	47	72	206
Museums, historical sites, zoos, and parks	<1	23	28	52
Amusement parks and arcades	<1	4	7	11
Gambling industries (except casino hotels)	<1	33	123	189
Other amusement and recreation industries	<1	37	43	90
Fitness and recreational sports centers	<1	32	45	95
Bowling centers	<1	6	9	19
Hotels and motels, including casino hotels	<1	18	34	57
Other accommodations	<1	8	10	14
Full-service restaurants	<1	326	510	909
Limited-service restaurants	<1	264	448	964
All other food and drinking places	<1	261	368	588
Automotive repair and maintenance, except car washes	<1	306	337	514
Car washes	<1	138	208	327
Electronic and precision equipment repair and maintenance	<1	57	70	115
Commercial and industrial machinery and equipment repair and maintenance	<1	114	130	193
Personal and household goods repair and maintenance	<1	94	174	251
Personal care services	<1	128	114	154
Death care services	<1	34	21	32
Dry-cleaning and laundry services	<1	65	38	54
Other personal services	<1	60	75	111
Religious organizations	<1	394	185	704
Grantmaking, giving, and social advocacy organizations	<1	99	316	480
Business and professional associations	<1	44	78	141
Labor and civic organizations	<1	46	135	288
Private households	<1	51	51	51
Postal service	<1	177	178	190
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	9	-72	8
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	3	4	6
Local government passenger transit	<1	12	-3	10
Local government electric utilities	<1	232	650	1,116
Other local government enterprises	<1	112	243	407
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	16,462	36,714	83,992

Investments in Climate Change Research and Technology

Table 708: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nebraska

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	7	453,960	740,488	1,501,867
Oilseed farming	<1	596	1,763	4,685
Grain farming	<1	425	551	3,986
Vegetable and melon farming	<1	68	111	309
Fruit farming	<1	3	6	12
Tree nut farming	<1	<1	<1	1
Greenhouse, nursery, and floriculture production	<1	37	49	122
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	30	39	103
All other crop farming	<1	79	101	265
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	315	890	5,340

Appendix

Dairy cattle and milk production	<1	29	59	514
Poultry and egg production	<1	16	21	311
Animal production, except cattle and poultry and eggs	<1	227	488	1,119
Forestry, forest products, and timber tract production	<1	4	5	6
Commercial logging	<1	9	10	21
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	0	7	23
Support activities for agriculture and forestry	<1	198	184	232
Oil and gas extraction	<1	112	9	960
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	31	51	106
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	50	175	318
Sand and gravel mining	<1	66	148	315
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	8	16	30
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	11	1	114
Other nonmetallic minerals services	<1	<1	<1	3
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	89	226	335
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	48	146	196
Electric power generation - Wind	<1	267	1,601	2,095
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	753	1,725	2,416
Natural gas distribution	<1	1,671	3,617	4,407
Water, sewage and other systems	<1	206	324	401
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,230	1,039	3,845
Maintenance and repair construction of residential structures	<1	495	472	1,587
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	3
Dog and cat food manufacturing	<1	71	265	851
Other animal food manufacturing	<1	62	118	849
Flour milling	<1	36	86	430
Rice milling	0	0	0	0
Malt manufacturing	<1	50	114	426
Wet corn milling	<1	98	315	1,176
Soybean and other oilseed processing	<1	15	111	703
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	156	481	964
Beet sugar manufacturing	<1	21	58	195

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3	5	21
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	3	5	19
Frozen fruits, juices and vegetables manufacturing	<1	23	57	223
Frozen specialties manufacturing	<1	25	41	170
Canned fruits and vegetables manufacturing	<1	7	18	63
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	<1	3
Cheese manufacturing	<1	<1	1	18
Dry, condensed, and evaporated dairy product manufacturing	<1	36	113	594
Fluid milk manufacturing	<1	41	77	452
Creamery butter manufacturing	<1	9	62	309
Ice cream and frozen dessert manufacturing	<1	3	4	19
Frozen cakes and other pastries manufacturing	<1	41	61	117
Poultry processing	<1	184	245	991
Animal, except poultry, slaughtering	<1	713	967	6,533
Meat processed from carcasses	<1	194	189	1,490
Rendering and meat byproduct processing	<1	14	13	67
Seafood product preparation and packaging	<1	11	16	84
Bread and bakery product, except frozen, manufacturing	<1	205	326	689
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	<1	2	5
Tortilla manufacturing	<1	23	32	100
Roasted nuts and peanut butter manufacturing	<1	12	22	89
Other snack food manufacturing	<1	16	39	141
Coffee and tea manufacturing	<1	<1	<1	5
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	2	6
Spice and extract manufacturing	<1	1	2	8
All other food manufacturing	<1	36	61	263

Appendix

Bottled and canned soft drinks & water	<1	48	84	358
Manufactured ice	<1	6	5	19
Breweries	<1	23	64	245
Wineries	<1	9	17	95
Distilleries	<1	2	13	35
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	3	12
Broadwoven fabric mills	<1	2	4	12
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	5	14	38
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	1
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	1	4
Textile bag and canvas mills	<1	2	3	8
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	9	12	37
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	5
Other cut and sew apparel manufacturing	<1	<1	1	5
Apparel accessories and other apparel manufacturing	<1	<1	<1	1
Leather and hide tanning and finishing	<1	9	15	46
Footwear manufacturing	<1	<1	<1	1
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	5	8	30
Wood preservation	<1	5	15	51
Veneer and plywood manufacturing	<1	4	6	26
Engineered wood member and truss manufacturing	<1	21	31	95
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	83	118	349

Appendix

Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	5	8	23
Wood container and pallet manufacturing	<1	50	69	201
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	6	9	27
All other miscellaneous wood product manufacturing	<1	7	11	34
Pulp mills	0	0	0	0
Paper mills	<1	39	73	362
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	214	294	1,527
Paper bag and coated and treated paper manufacturing	<1	6	9	52
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	<1	31	69	343
All other converted paper product manufacturing	<1	2	3	12
Printing	<1	669	894	2,137
Support activities for printing	<1	58	75	124
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	35	24	53
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	97	-28	79
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	40	102	349
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	12	27	63
Other basic organic chemical manufacturing	<1	149	351	1,949
Plastics material and resin manufacturing	<1	232	405	2,221
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	13	35	84
Phosphatic fertilizer manufacturing	<1	9	18	49
Fertilizer mixing	<1	2	4	11
Pesticide and other agricultural chemical manufacturing	<1	21	70	219
Medicinal and botanical manufacturing	<1	2	4	11
Pharmaceutical preparation manufacturing	<1	26	101	248
In-vitro diagnostic substance manufacturing	<1	9	13	30
Biological product (except diagnostic) manufacturing	<1	19	47	100
Paint and coating manufacturing	<1	11	24	75
Adhesive manufacturing	<1	21	40	188
Soap and other detergent manufacturing	<1	34	113	379
Polish and other sanitation good manufacturing	<1	7	11	30
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	11	43	132
Printing ink manufacturing	<1	1	2	6
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	8	17	97
Photographic film and chemical manufacturing	<1	<1	<1	8
Other miscellaneous chemical product manufacturing	<1	<1	1	6
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	120	205	772
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	346	956	3,238
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	1	6
Polystyrene foam product manufacturing	<1	12	21	74
Urethane and other foam product (except polystyrene) manufacturing	<1	3	6	23
Plastics bottle manufacturing	<1	5	8	45
Other plastics product manufacturing	<1	458	681	2,437

Appendix

Tire manufacturing	<1	8	13	49
Rubber and plastics hoses and belting manufacturing	<1	32	49	136
Other rubber product manufacturing	<1	53	76	254
Pottery, ceramics, and plumbing fixture manufacturing	<1	16	22	50
Brick, tile, and other structural clay product manufacturing	<1	498	827	1,984
Flat glass manufacturing	<1	3	6	16
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	3	6	16
Cement manufacturing	<1	90	204	523
Ready-mix concrete manufacturing	<1	114	187	624
Concrete block and brick manufacturing	<1	448	795	2,241
Concrete pipe manufacturing	<1	11	18	41
Other concrete product manufacturing	<1	672	929	2,357
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	23	27	59
Ground or treated mineral and earth manufacturing	<1	18	47	117
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	1	3	8
Iron and steel mills and ferroalloy manufacturing	<1	145	303	1,265
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	35	80	272
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	306	480	2,996
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	15	24	69
Nonferrous metal foundries	<1	8	11	36
Custom roll forming	<1	24	40	211
Crown and closure manufacturing and metal stamping	<1	23	30	93
Iron and steel forging	<1	360	581	2,225
Nonferrous forging	<1	94	137	584
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	1
Prefabricated metal buildings and components manufacturing	<1	52	74	232
Fabricated structural metal manufacturing	<1	389	574	1,786
Plate work manufacturing	<1	83	92	280
Metal window and door manufacturing	<1	15	20	58
Sheet metal work manufacturing	<1	1,554	2,059	6,057
Ornamental and architectural metal work manufacturing	<1	8	10	37
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	52	66	212
Metal cans manufacturing	<1	2	4	18
Metal barrels, drums and pails manufacturing	<1	12	15	66
Hardware manufacturing	<1	10	16	54
Spring and wire product manufacturing	<1	1	2	8
Machine shops	<1	253	312	735
Turned product and screw, nut, and bolt manufacturing	<1	134	198	681
Metal heat treating	<1	16	23	52
Metal coating and nonprecious engraving	<1	76	131	355
Electroplating, anodizing, and coloring metal	<1	249	283	607
Valve and fittings, other than plumbing, manufacturing	<1	6	10	35

Appendix

Plumbing fixture fitting and trim manufacturing	<1	154	411	1,386
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	139	280	586
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6	11	25
Fabricated pipe and pipe fitting manufacturing	<1	4	6	18
Other fabricated metal manufacturing	<1	116	152	469
Farm machinery and equipment manufacturing	<1	14	26	90
Lawn and garden equipment manufacturing	<1	3	5	25
Construction machinery manufacturing	<1	3	7	23
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	2	3	8
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	2	3	8
Other commercial service industry machinery manufacturing	<1	5	8	25
Air purification and ventilation equipment manufacturing	<1	<1	1	4
Heating equipment (except warm air furnaces) manufacturing	<1	6	10	31
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11	20	66
Industrial mold manufacturing	<1	3	3	7
Special tool, die, jig, and fixture manufacturing	<1	15	21	40

Appendix

Cutting tool and machine tool accessory manufacturing	<1	8	9	24
Machine tool manufacturing	<1	3	4	12
Rolling mill and other metalworking machinery manufacturing	<1	3	3	8
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	2
Mechanical power transmission equipment manufacturing	<1	6	10	25
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	1	3	9
Air and gas compressor manufacturing	<1	<1	<1	1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	24	28	89
Overhead cranes, hoists, and monorail systems manufacturing	<1	6	12	43
Industrial truck, trailer, and stacker manufacturing	<1	8	13	48
Power-driven handtool manufacturing	<1	<1	<1	3
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	5	8	26
Fluid power pump and motor manufacturing	<1	1	2	5
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	1	3
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	127,298	197,704	461,912
Telephone apparatus manufacturing	<1	2	3	9

Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	2	3	12
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	27	48	209
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	21	35	108
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	232	326	1,038
Electronic connector manufacturing	<1	574	863	2,732
Other electronic component manufacturing	<1	29	40	176
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	2	2	5
Industrial process variable instruments manufacturing	<1	<1	1	3
Totalizing fluid meter and counting device manufacturing	<1	3	7	18
Electricity and signal testing instruments manufacturing	<1	7	11	48
Analytical laboratory instrument manufacturing	<1	<1	<1	3
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	3
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	7	10	39
Electric lamp bulb and part manufacturing	<1	<1	2	5
Lighting fixture manufacturing	<1	4	9	21
Small electrical appliance manufacturing	<1	<1	<1	<1

Appendix

Household cooking appliance manufacturing	<1	<1	1	3
Household refrigerator and home freezer manufacturing	<1	<1	<1	1
Household laundry equipment manufacturing	<1	<1	<1	3
Other major household appliance manufacturing	<1	<1	<1	<1
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	78	202	410
Relay and industrial control manufacturing	<1	2	5	11
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	92	209	521
Wiring device manufacturing	<1	115	367	840
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	16	22	59
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	6	9	32
Truck trailer manufacturing	<1	3	3	14
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	12	14	61
Motor vehicle gasoline engine and engine parts manufacturing	<1	54	83	412
Motor vehicle electrical and electronic equipment manufacturing	<1	79	108	538
Motor vehicle transmission and power train parts manufacturing	<1	37	58	338
Motor vehicle seating and interior trim manufacturing	<1	6	7	39
Motor vehicle metal stamping	<1	21	27	138
Other motor vehicle parts manufacturing	<1	615	886	3,705

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	44	71	295
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	<1	<1	<1
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	0	0	0	0
Boat building	<1	27	27	115
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	93	78	689
Wood kitchen cabinet and countertop manufacturing	<1	103	167	372
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	3	4	13
Other household nonupholstered furniture manufacturing	<1	<1	2	5
Institutional furniture manufacturing	<1	<1	<1	3
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	3
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	69	121	314
Mattress manufacturing	<1	1	2	8
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	58	201	366
Surgical appliance and supplies manufacturing	<1	13	48	78
Dental equipment and supplies manufacturing	<1	<1	<1	2

Appendix

Ophthalmic goods manufacturing	<1	<1	2	3
Dental laboratories	<1	4	5	8
Jewelry and silverware manufacturing	<1	11	18	53
Sporting and athletic goods manufacturing	<1	3	7	17
Doll, toy, and game manufacturing	<1	1	3	7
Office supplies (except paper) manufacturing	<1	3	8	22
Sign manufacturing	<1	49	48	118
Gasket, packing, and sealing device manufacturing	<1	<1	<1	2
Musical instrument manufacturing	<1	2	2	5
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	12	34	74
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	7	14	30
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	404	947	1,984
Wholesale - Professional and commercial equipment and supplies	<1	8,849	14,439	23,622
Wholesale - Household appliances and electrical and electronic goods	<1	3,445	8,543	18,069
Wholesale - Machinery, equipment, and supplies	<1	1,864	3,639	6,144
Wholesale - Other durable goods merchant wholesalers	<1	4,341	7,533	13,610
Wholesale - Drugs and druggists' sundries	<1	837	2,620	4,419
Wholesale - Grocery and related product wholesalers	<1	821	1,139	2,112
Wholesale - Petroleum and petroleum products	<1	244	2,047	2,492
Wholesale - Other nondurable goods merchant wholesalers	<1	3,449	6,853	12,587
Wholesale - Wholesale electronic markets and agents and brokers	<1	1,001	1,039	1,217
Retail - Motor vehicle and parts dealers	<1	1,364	2,061	3,161
Retail - Furniture and home furnishings stores	<1	653	810	1,364
Retail - Electronics and appliance stores	<1	610	538	1,002

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Retail - Building material and garden equipment and supplies stores	<1	765	1,333	2,091
Retail - Food and beverage stores	<1	1,735	2,331	4,250
Retail - Health and personal care stores	<1	1,365	1,655	2,613
Retail - Gasoline stores	<1	705	1,104	2,160
Retail - Clothing and clothing accessories stores	<1	587	929	2,211
Retail - Sporting goods, hobby, musical instrument and book stores	<1	483	624	1,142
Retail - General merchandise stores	<1	2,018	2,618	4,616
Retail - Miscellaneous store retailers	<1	605	756	1,558
Retail - Nonstore retailers	<1	1,134	3,673	8,433
Air transportation	<1	162	765	1,466
Rail transportation	<1	484	1,581	2,223
Water transportation	<1	<1	<1	23
Truck transportation	<1	4,976	6,786	12,788
Transit and ground passenger transportation	<1	278	361	595
Pipeline transportation	<1	1,865	1,139	1,115
Scenic and sightseeing transportation and support activities for transportation	<1	1,713	1,970	4,091
Couriers and messengers	<1	894	1,426	2,336
Warehousing and storage	<1	1,880	2,380	4,559
Newspaper publishers	<1	479	828	1,090
Periodical publishers	<1	329	524	756
Book publishers	<1	19	59	105
Directory, mailing list, and other publishers	<1	525	1,452	2,097
Greeting card publishing	0	0	0	0
Software publishers	<1	840	1,950	2,239
Motion picture and video industries	<1	104	183	978
Sound recording industries	<1	8	40	162
Radio and television broadcasting	<1	1,200	1,744	6,428
Cable and other subscription programming	<1	46	486	1,025
Wired telecommunications carriers	<1	970	2,823	5,130
Wireless telecommunications carriers (except satellite)	<1	156	1,549	3,346

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Satellite, telecommunications resellers, and all other telecommunications	<1	144	245	745
Data processing, hosting, and related services	<1	1,165	2,389	6,280
News syndicates, libraries, archives and all other information services	<1	126	210	439
Internet publishing and broadcasting and web search portals	<1	1,099	2,507	10,895
Nondepository credit intermediation and related activities	<1	3,533	4,149	7,173
Securities and commodity contracts intermediation and brokerage	<1	4,162	3,681	8,893
Monetary authorities and depository credit intermediation	<1	9,066	18,165	36,745
Other financial investment activities	<1	1,338	1,701	5,445
Direct life insurance carriers	<1	1,290	4,180	5,385
Insurance carriers, except direct life	<1	3,410	22,652	34,369
Insurance agencies, brokerages, and related activities	<1	7,082	19,050	34,759
Funds, trusts, and other financial vehicles	<1	445	566	4,346
Other real estate	<1	3,715	13,908	40,304
Tenant-occupied housing	<1	411	6,104	7,185
Owner-occupied dwellings	0	0	20,920	26,557
Automotive equipment rental and leasing	<1	321	727	1,171
General and consumer goods rental except video tapes and discs	<1	448	595	1,011
Video tape and disc rental	<1	107	187	293
Commercial and industrial machinery and equipment rental and leasing	<1	432	924	1,391
Lessors of nonfinancial intangible assets	<1	97	2,731	3,011
Legal services	<1	5,155	8,971	12,673
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,590	3,060	4,852
Architectural, engineering, and related services	<1	2,519	2,656	4,908
Specialized design services	<1	181	249	440
Custom computer programming services	<1	963	1,025	1,513

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Computer systems design services	<1	1,486	1,356	1,808
Other computer related services, including facilities management	<1	1,016	1,280	2,594
Management consulting services	<1	3,043	3,143	5,173
Environmental and other technical consulting services	<1	735	766	1,230
Scientific research and development services	1	65,882	98,040	206,627
Advertising, public relations, and related services	<1	1,615	2,053	4,200
Photographic services	<1	70	140	312
Veterinary services	<1	350	399	670
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	2,046	3,085	6,650
Management of companies and enterprises	<1	15,502	18,215	31,719
Office administrative services	<1	2,130	1,030	2,334
Facilities support services	<1	57	90	210
Employment services	<1	6,852	10,476	15,122
Business support services	<1	2,181	1,893	3,368
Travel arrangement and reservation services	<1	474	653	1,622
Investigation and security services	<1	756	760	1,138
Services to buildings	<1	1,323	1,940	3,612
Landscape and horticultural services	<1	801	1,038	1,870
Other support services	<1	375	502	1,007
Waste management and remediation services	<1	704	1,198	2,404
Elementary and secondary schools	<1	108	86	110
Junior colleges, colleges, universities, and professional schools	<1	36,681	45,926	64,603
Other educational services	<1	455	520	1,155
Offices of physicians	<1	9,077	9,606	12,921
Offices of dentists	<1	1,574	2,037	2,873
Offices of other health practitioners	<1	1,282	1,948	2,614
Outpatient care centers	<1	2,134	1,991	3,173
Medical and diagnostic laboratories	<1	366	550	768
Home health care services	<1	907	883	1,137
Other ambulatory health care services	<1	536	612	1,010

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Hospitals	<1	10,576	12,533	25,527
Nursing and community care facilities	<1	1,958	2,262	4,096
Residential mental retardation, mental health, substance abuse and other facilities	<1	809	883	1,262
Individual and family services	<1	1,772	1,474	2,355
Child day care services	<1	656	852	1,288
Community food, housing, and other relief services, including rehabilitation services	<1	427	420	1,026
Performing arts companies	<1	132	178	436
Commercial Sports Except Racing	<1	109	81	187
Racing and Track Operation	<1	56	93	207
Independent artists, writers, and performers	<1	235	609	1,254
Promoters of performing arts and sports and agents for public figures	<1	314	513	1,612
Museums, historical sites, zoos, and parks	<1	161	190	373
Amusement parks and arcades	<1	25	54	81
Gambling industries (except casino hotels)	<1	214	811	1,296
Other amusement and recreation industries	<1	272	337	734
Fitness and recreational sports centers	<1	207	309	676
Bowling centers	<1	44	69	149
Hotels and motels, including casino hotels	<1	113	223	386
Other accommodations	<1	41	53	75
Full-service restaurants	<1	2,676	4,095	7,599
Limited-service restaurants	<1	2,032	3,379	7,699
All other food and drinking places	<1	1,961	2,768	4,584
Automotive repair and maintenance, except car washes	<1	2,213	2,623	4,010
Car washes	<1	1,021	1,553	2,466
Electronic and precision equipment repair and maintenance	<1	594	718	1,238
Commercial and industrial machinery and equipment repair and maintenance	<1	982	1,140	1,752
Personal and household goods repair and maintenance	<1	251	503	741
Personal care services	<1	862	819	1,101
Death care services	<1	208	166	235

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Dry-cleaning and laundry services	<1	521	397	528
Other personal services	<1	431	550	830
Religious organizations	<1	2,535	1,559	4,968
Grantmaking, giving, and social advocacy organizations	<1	532	1,912	2,882
Business and professional associations	<1	336	643	1,177
Labor and civic organizations	<1	266	875	1,814
Private households	<1	348	348	348
Postal service	<1	1,657	1,658	1,781
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	76	-455	63
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	68	88	160
Local government passenger transit	<1	98	-21	135
Local government electric utilities	<1	2,135	7,002	12,219
Other local government enterprises	<1	986	2,415	4,046
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Nevada

NASA

Table 709: Detailed NASA Impacts by Types of Impact, Nevada

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>681</i>	<i>34,226,142</i>	<i>52,117,298</i>	<i>118,325,553</i>
Oilseed farming	0	0	0	0
Grain farming	<1	614	2,862	9,098
Vegetable and melon farming	<1	1,012	2,674	5,084
Fruit farming	<1	48	143	197
Tree nut farming	<1	46	136	181
Greenhouse, nursery, and floriculture production	<1	1,360	2,325	4,412
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	3,802	6,583	13,045
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	274	3,377	14,810
Dairy cattle and milk production	<1	386	1,492	9,530
Poultry and egg production	<1	52	96	972
Animal production, except cattle and poultry and eggs	<1	1,202	8,588	12,823
Forestry, forest products, and timber tract production	<1	254	271	310
Commercial logging	<1	564	607	763
Commercial fishing	<1	865	5,820	6,492
Commercial hunting and trapping	<1	93	535	614
Support activities for agriculture and forestry	<1	5,210	4,892	7,354
Oil and gas extraction	1	12,664	1,505	441,420
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	7,690	24,880	40,759
Iron ore mining	0	0	0	0
Gold ore mining	<1	13,957	30,405	47,854
Silver ore mining	<1	540	1,062	1,983
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	32	58	100
Stone mining and quarrying	<1	906	3,092	4,979
Sand and gravel mining	<1	1,799	3,969	6,854

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Other clay, ceramic, refractory minerals mining	<1	586	1,180	1,964
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	1,451	3,252	5,331
Other nonmetallic minerals	<1	903	1,785	3,157
Drilling oil and gas wells	<1	<1	<1	3
Support activities for oil and gas operations	<1	25	24	165
Metal mining services	<1	1,678	2,834	10,197
Other nonmetallic minerals services	<1	6	8	91
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	56,135	226,687	519,509
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	5,982	23,582	47,221
Electric power generation - Wind	<1	406	4,225	8,613
Electric power generation - Geothermal	<1	12,580	30,847	60,362
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	137,252	529,680	1,234,042
Natural gas distribution	<1	98,532	295,696	595,729
Water, sewage and other systems	<1	11,612	24,629	41,466
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	104,856	166,194	349,741
Maintenance and repair construction of residential structures	<1	46,495	72,096	151,793
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	110	174	368
Dog and cat food manufacturing	<1	570	1,588	6,370
Other animal food manufacturing	<1	1,102	2,087	14,788
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	16	82	907
Fats and oils refining and blending	<1	13	24	277
Breakfast cereal manufacturing	<1	2,106	4,897	17,207
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	156	238	1,332
Chocolate and confectionery manufacturing from cacao beans	<1	102	153	843
Confectionery manufacturing from purchased chocolate	<1	591	806	4,637
Frozen fruits, juices and vegetables manufacturing	<1	7,342	13,951	72,744
Frozen specialties manufacturing	<1	1,560	2,160	11,314
Canned fruits and vegetables manufacturing	<1	1,718	3,374	12,178
Canned specialties	<1	684	1,703	9,321
Dehydrated food products manufacturing	<1	96	167	857
Cheese manufacturing	<1	905	1,300	14,958
Dry, condensed, and evaporated dairy product manufacturing	<1	557	1,285	8,992
Fluid milk manufacturing	<1	1,967	3,046	19,357
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5,976	8,155	28,421
Frozen cakes and other pastries manufacturing	<1	2,604	3,948	6,870

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Poultry processing	<1	691	853	3,284
Animal, except poultry, slaughtering	<1	486	637	4,454
Meat processed from carcasses	<1	1,864	1,873	16,805
Rendering and meat byproduct processing	<1	91	105	508
Seafood product preparation and packaging	<1	503	631	3,566
Bread and bakery product, except frozen, manufacturing	<1	7,388	10,636	27,615
Cookie and cracker manufacturing	<1	2,047	2,893	10,082
Dry pasta, mixes, and dough manufacturing	<1	63	137	866
Tortilla manufacturing	<1	531	658	2,921
Roasted nuts and peanut butter manufacturing	<1	426	471	1,858
Other snack food manufacturing	<1	1,309	2,191	9,577
Coffee and tea manufacturing	<1	1,269	2,244	11,617
Flavoring syrup and concentrate manufacturing	<1	76	548	1,532
Mayonnaise, dressing, and sauce manufacturing	<1	1,135	2,139	9,462
Spice and extract manufacturing	<1	2,556	4,209	23,603
All other food manufacturing	<1	1,080	1,582	10,564
Bottled and canned soft drinks & water	<1	5,840	9,140	42,780
Manufactured ice	<1	575	310	1,536
Breweries	<1	737	1,601	5,085
Wineries	<1	21	35	181
Distilleries	<1	852	3,924	8,882
Tobacco product manufacturing	<1	13	293	443
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	134	218	1,694
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	1,739	2,625	10,213
Curtain and linen mills	<1	160	196	611
Textile bag and canvas mills	<1	551	633	1,863
Rope, cordage, twine, tire cord and tire fabric mills	<1	162	223	681
Other textile product mills	<1	710	827	2,511
Hosiery and sock mills	<1	52	95	194

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Other apparel knitting mills	<1	65	117	237
Cut and sew apparel contractors	<1	431	588	1,991
Mens and boys cut and sew apparel manufacturing	<1	50	92	253
Womens and girls cut and sew apparel manufacturing	<1	21	43	160
Other cut and sew apparel manufacturing	<1	45	95	321
Apparel accessories and other apparel manufacturing	<1	33	64	163
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	7	9	66
Sawmills	<1	49	71	257
Wood preservation	<1	69	158	596
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,088	1,519	4,693
Reconstituted wood product manufacturing	<1	225	463	1,724
Wood windows and door manufacturing	<1	1,972	2,575	7,252
Cut stock, resawing lumber, and planing	<1	180	283	894
Other millwork, including flooring	<1	1,743	2,501	6,334
Wood container and pallet manufacturing	<1	1,484	1,901	5,861
Manufactured home (mobile home) manufacturing	<1	<1	1	3
Prefabricated wood building manufacturing	<1	104	134	395
All other miscellaneous wood product manufacturing	<1	167	229	869
Pulp mills	0	0	0	0
Paper mills	<1	2,560	3,826	15,491
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	570	726	4,012
Paper bag and coated and treated paper manufacturing	<1	471	658	3,203
Stationery product manufacturing	<1	352	445	1,677
Sanitary paper product manufacturing	<1	2,676	5,101	28,992
All other converted paper product manufacturing	<1	338	420	1,838

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Printing	1	63,520	92,099	197,546
Support activities for printing	<1	240	333	524
Petroleum refineries	<1	6,243	34,270	283,636
Asphalt paving mixture and block manufacturing	<1	322	461	1,802
Asphalt shingle and coating materials manufacturing	<1	680	1,977	4,998
Petroleum lubricating oil and grease manufacturing	<1	877	2,215	8,277
All other petroleum and coal products manufacturing	<1	585	1,930	8,351
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	104	153	682
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	1,181	1,680	6,984
Other basic organic chemical manufacturing	<1	103	158	1,803
Plastics material and resin manufacturing	<1	113	147	1,417
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	564	794	3,202
Pesticide and other agricultural chemical manufacturing	<1	733	1,409	10,376
Medicinal and botanical manufacturing	<1	454	556	2,751
Pharmaceutical preparation manufacturing	<1	1,551	3,348	19,495
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	2,395	3,236	16,147
Adhesive manufacturing	<1	109	136	646
Soap and other detergent manufacturing	<1	387	734	5,669
Polish and other sanitation good manufacturing	<1	276	335	1,216
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	221	433	1,988
Printing ink manufacturing	<1	420	439	1,626

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	259	347	1,502
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	1,318	1,663	7,651
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,255	3,656	16,676
Unlaminated plastics profile shape manufacturing	<1	244	517	1,659
Plastics pipe and pipe fitting manufacturing	<1	346	898	3,079
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	313	569	2,081
Polystyrene foam product manufacturing	<1	289	481	2,022
Urethane and other foam product (except polystyrene) manufacturing	<1	454	715	2,370
Plastics bottle manufacturing	<1	183	288	1,323
Other plastics product manufacturing	<1	7,008	10,051	34,818
Tire manufacturing	<1	151	225	1,074
Rubber and plastics hoses and belting manufacturing	<1	228	334	1,120
Other rubber product manufacturing	<1	823	1,151	4,491
Pottery, ceramics, and plumbing fixture manufacturing	<1	16	24	50
Brick, tile, and other structural clay product manufacturing	<1	55	100	220
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	542	977	2,342
Cement manufacturing	<1	614	1,569	3,527
Ready-mix concrete manufacturing	<1	6,100	10,944	32,860
Concrete block and brick manufacturing	<1	1,784	3,396	7,045
Concrete pipe manufacturing	<1	260	460	1,006
Other concrete product manufacturing	<1	3,201	4,661	10,637
Lime manufacturing	<1	230	584	1,327
Gypsum product manufacturing	<1	2,247	6,316	14,476

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	726	888	1,889
Ground or treated mineral and earth manufacturing	<1	353	1,017	2,500
Mineral wool manufacturing	<1	220	544	1,190
Miscellaneous nonmetallic mineral products manufacturing	<1	53	160	350
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	165	184	1,187
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	921	1,075	9,156
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	226	296	2,209
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	778	828	3,580
Secondary processing of other nonferrous metals	<1	940	943	7,110
Ferrous metal foundries	<1	924	962	3,347
Nonferrous metal foundries	<1	167	186	628
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	3,545	4,480	11,572
Iron and steel forging	0	0	0	0
Nonferrous forging	<1	661	953	2,757
Cutlery, utensil, pot, and pan manufacturing	<1	353	894	2,169
Handtool manufacturing	<1	105	174	449
Prefabricated metal buildings and components manufacturing	<1	133	190	650
Fabricated structural metal manufacturing	<1	2,389	3,511	9,619
Plate work manufacturing	<1	186	209	677
Metal window and door manufacturing	<1	483	663	1,917
Sheet metal work manufacturing	<1	1,600	2,136	5,913

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Ornamental and architectural metal work manufacturing	<1	2,226	2,909	8,235
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	54	69	218
Metal cans manufacturing	<1	135	307	1,462
Metal barrels, drums and pails manufacturing	<1	10	14	76
Hardware manufacturing	<1	345	555	2,162
Spring and wire product manufacturing	<1	196	268	723
Machine shops	<1	1,387	1,709	3,610
Turned product and screw, nut, and bolt manufacturing	<1	2,787	4,087	10,559
Metal heat treating	<1	113	164	402
Metal coating and nonprecious engraving	<1	535	939	2,559
Electroplating, anodizing, and coloring metal	<1	179	206	464
Valve and fittings, other than plumbing, manufacturing	<1	471	753	2,180
Plumbing fixture fitting and trim manufacturing	<1	38	108	500
Ball and roller bearing manufacturing	<1	423	763	2,297
Small arms ammunition manufacturing	<1	11	24	74
Ammunition, except for small arms, manufacturing	<1	23	29	68
Small arms, ordnance, and accessories manufacturing	<1	32,835	60,949	144,698
Fabricated pipe and pipe fitting manufacturing	<1	25	32	102
Other fabricated metal manufacturing	<1	1,547	2,040	5,057
Farm machinery and equipment manufacturing	<1	4	6	24
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	35	64	212
Mining machinery and equipment manufacturing	<1	6	8	20
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	1	2	7

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	33	36	99
All other industrial machinery manufacturing	<1	1	2	4
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	81	118	505
Air purification and ventilation equipment manufacturing	<1	359	462	1,529
Heating equipment (except warm air furnaces) manufacturing	<1	109	144	401
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	206	313	892
Industrial mold manufacturing	<1	55	62	128
Special tool, die, jig, and fixture manufacturing	<1	53	63	135
Cutting tool and machine tool accessory manufacturing	<1	49	54	113
Machine tool manufacturing	<1	30	36	117
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	225	295	809
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	48	72	229
Air and gas compressor manufacturing	<1	1	2	6
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	3	4	12
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	<1	193	277	996

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Power-driven handtool manufacturing	<1	21	42	170
Welding and soldering equipment manufacturing	<1	9	12	39
Packaging machinery manufacturing	<1	3	4	11
Industrial process furnace and oven manufacturing	<1	3	3	11
Fluid power cylinder and actuator manufacturing	<1	85	109	333
Fluid power pump and motor manufacturing	<1	31	44	191
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	26	30	90
Electronic computer manufacturing	<1	8	21	134
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	24	46	140
Telephone apparatus manufacturing	<1	7	12	43
Broadcast and wireless communications equipment manufacturing	<1	16	29	83
Other communications equipment manufacturing	<1	24	47	170
Audio and video equipment manufacturing	<1	50	99	311
Printed circuit assembly (electronic assembly) manufacturing	<1	284	610	2,299
Bare printed circuit board manufacturing	<1	33	49	164
Semiconductor and related device manufacturing	<1	61	122	438
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	53	87	409
Electronic connector manufacturing	<1	342	604	2,012
Other electronic component manufacturing	<1	101	152	499
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	11	24
Search, detection, and navigation instruments manufacturing	<1	17	36	75
Automatic environmental control manufacturing	<1	40	61	185

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Industrial process variable instruments manufacturing	<1	436	788	1,648
Totalizing fluid meter and counting device manufacturing	<1	2	4	9
Electricity and signal testing instruments manufacturing	<1	4	8	34
Analytical laboratory instrument manufacturing	<1	3,028	6,161	13,325
Irradiation apparatus manufacturing	<1	4	9	22
Watch, clock, and other measuring and controlling device manufacturing	<1	16	37	89
Blank magnetic and optical recording media manufacturing	<1	99	436	3,141
Software and other prerecorded and record reproducing	<1	29	49	125
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	95	121	460
Small electrical appliance manufacturing	<1	172	269	980
Household cooking appliance manufacturing	<1	183	284	1,053
Household refrigerator and home freezer manufacturing	<1	193	305	1,100
Household laundry equipment manufacturing	<1	453	619	2,719
Other major household appliance manufacturing	<1	68	112	382
Power, distribution, and specialty transformer manufacturing	<1	34	42	110
Motor and generator manufacturing	<1	113	154	455
Switchgear and switchboard apparatus manufacturing	<1	27	37	142
Relay and industrial control manufacturing	<1	33	41	147
Storage battery manufacturing	<1	10,883	13,190	40,457
Primary battery manufacturing	<1	875	420	2,962
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3,701	4,711	18,464
Wiring device manufacturing	<1	8,503	11,949	34,973
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	29	32	94
Automobile manufacturing	<1	145	281	1,913

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	4	6	53
Motor vehicle body manufacturing	<1	28	32	161
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,021	1,107	5,301
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,160	1,439	9,258
Motor vehicle electrical and electronic equipment manufacturing	<1	294	433	1,963
Motor vehicle transmission and power train parts manufacturing	<1	726	927	4,847
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	2,153	2,414	11,297
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,345	1,748	8,791
Aircraft manufacturing	<1	<1	2	8
Aircraft engine and engine parts manufacturing	<1	29	76	216
Other aircraft parts and auxiliary equipment manufacturing	<1	23	35	117
Guided missile and space vehicle manufacturing	<1	7	11	29
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	76	95	465
Ship building and repairing	0	0	0	0
Boat building	<1	198	283	933
Motorcycle, bicycle, and parts manufacturing	<1	186	690	2,383
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	60	124	689
Wood kitchen cabinet and countertop manufacturing	<1	3,419	3,698	9,009
Upholstered household furniture manufacturing	<1	121	133	562

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Nonupholstered wood household furniture manufacturing	<1	289	298	859
Other household nonupholstered furniture manufacturing	<1	72	90	464
Institutional furniture manufacturing	<1	373	399	1,251
Wood office furniture manufacturing	<1	1,443	1,642	5,796
Custom architectural woodwork and millwork	<1	157	143	374
Office furniture, except wood, manufacturing	1	79,901	99,947	368,017
Showcase, partition, shelving, and locker manufacturing	<1	536	602	2,036
Mattress manufacturing	<1	39	50	297
Blind and shade manufacturing	<1	20	21	98
Surgical and medical instrument manufacturing	<1	187	1,029	1,464
Surgical appliance and supplies manufacturing	<1	164	1,013	1,461
Dental equipment and supplies manufacturing	<1	2,707	13,143	22,398
Ophthalmic goods manufacturing	<1	60	376	539
Dental laboratories	<1	402	459	777
Jewelry and silverware manufacturing	<1	981	2,304	4,656
Sporting and athletic goods manufacturing	<1	113	357	685
Doll, toy, and game manufacturing	<1	191	909	1,309
Office supplies (except paper) manufacturing	<1	555	1,911	3,197
Sign manufacturing	<1	7,135	7,313	15,125
Gasket, packing, and sealing device manufacturing	<1	73	175	325
Musical instrument manufacturing	<1	24	37	80
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	9,589	23,597	34,889
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	30,336	63,351	149,999
Wholesale - Professional and commercial equipment and supplies	2	195,196	302,872	524,146

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Wholesale - Household appliances and electrical and electronic goods	<1	48,737	105,276	250,296
Wholesale - Machinery, equipment, and supplies	<1	51,745	93,301	161,311
Wholesale - Other durable goods merchant wholesalers	2	202,802	333,276	616,615
Wholesale - Drugs and druggists' sundries	<1	62,670	151,130	311,603
Wholesale - Grocery and related product wholesalers	2	143,967	188,031	390,415
Wholesale - Petroleum and petroleum products	<1	13,544	224,914	252,042
Wholesale - Other nondurable goods merchant wholesalers	3	227,948	493,687	880,355
Wholesale - Wholesale electronic markets and agents and brokers	4	471,384	488,135	566,409
Retail - Motor vehicle and parts dealers	1	101,568	165,313	225,028
Retail - Furniture and home furnishings stores	1	48,576	73,474	113,142
Retail - Electronics and appliance stores	1	54,621	62,501	102,982
Retail - Building material and garden equipment and supplies stores	1	41,953	86,781	124,784
Retail - Food and beverage stores	4	161,138	229,248	353,422
Retail - Health and personal care stores	2	93,815	123,718	188,394
Retail - Gasoline stores	1	60,041	104,307	170,695
Retail - Clothing and clothing accessories stores	2	78,451	131,115	231,265
Retail - Sporting goods, hobby, musical instrument and book stores	1	40,556	61,176	92,310
Retail - General merchandise stores	4	145,299	244,385	372,601
Retail - Miscellaneous store retailers	2	89,327	112,628	161,931
Retail - Nonstore retailers	4	119,856	366,620	668,028
Air transportation	1	156,218	491,379	731,379
Rail transportation	<1	20,344	77,672	107,950
Water transportation	<1	399	713	18,606
Truck transportation	5	340,023	406,227	781,113
Transit and ground passenger transportation	9	129,645	185,845	282,380
Pipeline transportation	<1	11,388	33,905	40,431
Scenic and sightseeing transportation and support activities for transportation	3	167,300	185,994	388,016

Appendix

Couriers and messengers	3	101,087	144,555	268,980
Warehousing and storage	3	148,774	163,191	303,185
Newspaper publishers	<1	20,183	34,719	42,988
Periodical publishers	<1	15,295	24,581	39,480
Book publishers	<1	6,829	20,948	29,735
Directory, mailing list, and other publishers	1	58,333	163,606	248,405
Greeting card publishing	<1	311	853	1,262
Software publishers	1	124,323	288,598	324,820
Motion picture and video industries	1	70,310	104,462	263,344
Sound recording industries	<1	25,792	112,240	199,557
Radio and television broadcasting	1	371,495	418,428	644,324
Cable and other subscription programming	<1	6,598	22,202	34,280
Wired telecommunications carriers	1	117,281	408,274	673,484
Wireless telecommunications carriers (except satellite)	<1	14,715	178,598	333,384
Satellite, telecommunications resellers, and all other telecommunications	<1	31,932	62,397	153,816
Data processing, hosting, and related services	3	278,442	636,405	1,565,877
News syndicates, libraries, archives and all other information services	<1	27,416	45,554	99,130
Internet publishing and broadcasting and web search portals	1	222,451	544,104	1,549,024
Nondepository credit intermediation and related activities	4	473,767	718,910	1,089,503
Securities and commodity contracts intermediation and brokerage	6	129,388	102,341	524,424
Monetary authorities and depository credit intermediation	3	258,250	1,272,896	1,666,744
Other financial investment activities	5	91,093	116,297	762,382
Direct life insurance carriers	<1	13,941	40,800	53,479
Insurance carriers, except direct life	2	153,135	852,850	1,380,785
Insurance agencies, brokerages, and related activities	27	1,782,631	3,724,151	8,245,394
Funds, trusts, and other financial vehicles	2	62,792	92,615	651,447
Other real estate	22	340,394	1,431,847	4,060,504
Tenant-occupied housing	2	33,027	693,051	794,029

Appendix

Owner-occupied dwellings	0	0	2,141,794	2,718,914
Automotive equipment rental and leasing	3	142,380	565,735	762,651
General and consumer goods rental except video tapes and discs	<1	42,948	71,168	111,917
Video tape and disc rental	<1	8,807	14,750	22,906
Commercial and industrial machinery and equipment rental and leasing	3	286,000	969,018	1,269,483
Lessors of nonfinancial intangible assets	<1	7,030	209,891	228,980
Legal services	7	583,195	711,692	1,102,552
Accounting, tax preparation, bookkeeping, and payroll services	5	344,563	450,276	679,862
Architectural, engineering, and related services	12	931,393	1,026,645	1,845,166
Specialized design services	1	98,976	160,065	244,932
Custom computer programming services	2	198,169	209,648	298,970
Computer systems design services	2	141,037	124,889	167,335
Other computer related services, including facilities management	2	143,707	154,100	337,910
Management consulting services	8	673,401	702,649	1,126,897
Environmental and other technical consulting services	1	89,714	94,463	144,541
Scientific research and development services	47	4,023,607	4,949,757	10,084,353
Advertising, public relations, and related services	3	198,649	279,987	492,957
Photographic services	<1	8,838	22,702	42,390
Veterinary services	<1	29,526	36,269	55,239
Marketing research and all other miscellaneous professional, scientific, and technical services	9	466,956	843,383	1,888,991
Management of companies and enterprises	8	963,275	1,142,442	1,834,311
Office administrative services	<1	55,936	19,078	50,337
Facilities support services	<1	61,982	89,854	163,719
Employment services	14	484,595	696,661	1,099,587
Business support services	27	1,190,667	970,050	1,786,648
Travel arrangement and reservation services	<1	44,149	56,987	135,044
Investigation and security services	3	105,381	103,818	157,365
Services to buildings	4	116,827	160,258	301,554
Landscape and horticultural services	40	1,552,775	1,907,079	3,381,093

Appendix

Other support services	8	411,917	526,874	995,469
Waste management and remediation services	1	79,745	129,690	238,048
Elementary and secondary schools	1	55,167	55,972	64,561
Junior colleges, colleges, universities, and professional schools	19	874,719	1,581,045	1,965,843
Other educational services	1	58,121	71,969	130,493
Offices of physicians	5	575,879	607,569	853,669
Offices of dentists	2	116,473	144,477	208,061
Offices of other health practitioners	2	93,369	133,129	178,132
Outpatient care centers	2	118,865	109,219	188,186
Medical and diagnostic laboratories	10	898,639	1,290,658	1,807,820
Home health care services	2	97,006	92,950	114,066
Other ambulatory health care services	<1	38,202	42,663	68,208
Hospitals	8	704,781	821,299	1,517,227
Nursing and community care facilities	2	89,154	99,277	170,314
Residential mental retardation, mental health, substance abuse and other facilities	<1	33,675	36,229	57,712
Individual and family services	5	117,166	106,477	173,717
Child day care services	1	37,468	60,598	81,421
Community food, housing, and other relief services, including rehabilitation services	1	33,706	33,973	84,606
Performing arts companies	<1	39,152	69,768	90,265
Commercial Sports Except Racing	1	80,055	89,609	112,739
Racing and Track Operation	<1	1,825	4,781	6,190
Independent artists, writers, and performers	<1	33,631	181,331	207,698
Promoters of performing arts and sports and agents for public figures	<1	30,803	84,878	115,193
Museums, historical sites, zoos, and parks	<1	8,121	12,565	19,116
Amusement parks and arcades	<1	7,988	13,515	17,828
Gambling industries (except casino hotels)	1	68,123	144,874	214,263
Other amusement and recreation industries	1	53,738	64,411	93,802
Fitness and recreational sports centers	1	35,155	47,820	70,602
Bowling centers	<1	6,382	10,109	14,078

Appendix

Hotels and motels, including casino hotels	7	381,774	693,513	985,373
Other accommodations	<1	2,098	2,843	3,678
Full-service restaurants	9	251,401	457,288	690,210
Limited-service restaurants	6	132,569	287,634	537,948
All other food and drinking places	4	139,880	367,274	460,850
Automotive repair and maintenance, except car washes	3	204,791	234,678	340,130
Car washes	2	97,352	153,885	224,322
Electronic and precision equipment repair and maintenance	3	166,405	197,910	337,001
Commercial and industrial machinery and equipment repair and maintenance	1	97,546	80,654	130,387
Personal and household goods repair and maintenance	<1	27,717	50,586	72,944
Personal care services	2	69,726	58,887	79,506
Death care services	<1	16,305	8,766	13,264
Dry-cleaning and laundry services	1	49,815	24,814	36,256
Other personal services	2	53,333	69,948	98,769
Religious organizations	2	114,543	50,205	177,374
Grantmaking, giving, and social advocacy organizations	<1	23,927	72,720	117,000
Business and professional associations	<1	53,099	88,369	150,630
Labor and civic organizations	<1	37,784	100,790	157,482
Private households	2	30,574	30,569	30,569
Postal service	1	112,065	112,081	119,390
Federal electric utilities	0	0	0	0
Other federal government enterprises	174	3,993,971	1,596,123	26,236,382
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,948	4,267	6,637
Local government passenger transit	<1	49	-68	6
Local government electric utilities	<1	4,661	10,313	20,043
Other local government enterprises	1	113,960	187,501	372,046
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,040,726	1,498,918	3,429,118

Moon to Mars Campaign

Table 710: Detailed M2M Campaign Impacts by Types of Impact, Nevada

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	24	1,602,919	2,528,274	4,609,650
Oilseed farming	0	0	0	0
Grain farming	<1	36	192	563
Vegetable and melon farming	<1	46	124	235
Fruit farming	<1	2	7	9
Tree nut farming	<1	3	9	12
Greenhouse, nursery, and floriculture production	<1	18	31	59
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	142	253	499
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	18	238	1,069
Dairy cattle and milk production	<1	17	61	369
Poultry and egg production	<1	2	4	38
Animal production, except cattle and poultry and eggs	<1	66	560	848
Forestry, forest products, and timber tract production	<1	24	25	28
Commercial logging	<1	25	27	33
Commercial fishing	<1	26	144	161
Commercial hunting and trapping	<1	3	11	12
Support activities for agriculture and forestry	<1	471	440	664
Oil and gas extraction	<1	106	16	5,088

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	282	956	1,482
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,055	2,342	3,804
Silver ore mining	<1	38	75	137
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	3	5	9
Stone mining and quarrying	<1	58	169	278
Sand and gravel mining	<1	134	268	454
Other clay, ceramic, refractory minerals mining	<1	16	31	52
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	70	130	210
Other nonmetallic minerals	<1	104	195	343
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	71	138	498
Other nonmetallic minerals services	<1	<1	<1	6
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	1,901	7,364	15,625
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	139	574	1,130
Electric power generation - Wind	<1	10	100	199
Electric power generation - Geothermal	<1	465	1,106	2,163
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	3,911	15,065	33,391
Natural gas distribution	<1	2,428	7,521	14,440
Water, sewage and other systems	<1	274	580	922
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,621	10,595	21,787
Maintenance and repair construction of residential structures	<1	2,231	3,474	7,194
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	8	17
Dog and cat food manufacturing	<1	23	66	259
Other animal food manufacturing	<1	74	146	993
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	<1	4	42
Fats and oils refining and blending	<1	<1	1	11
Breakfast cereal manufacturing	<1	68	162	537
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	7	10	55
Chocolate and confectionery manufacturing from cacao beans	<1	6	9	47
Confectionery manufacturing from purchased chocolate	<1	23	31	169
Frozen fruits, juices and vegetables manufacturing	<1	109	214	1,001
Frozen specialties manufacturing	<1	22	31	159
Canned fruits and vegetables manufacturing	<1	28	54	193

Appendix

Canned specialties	<1	8	18	103
Dehydrated food products manufacturing	<1	1	3	13
Cheese manufacturing	<1	11	15	178
Dry, condensed, and evaporated dairy product manufacturing	<1	19	45	291
Fluid milk manufacturing	<1	68	107	663
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	58	81	260
Frozen cakes and other pastries manufacturing	<1	98	148	253
Poultry processing	<1	14	18	68
Animal, except poultry, slaughtering	<1	7	10	67
Meat processed from carcasses	<1	91	92	819
Rendering and meat byproduct processing	<1	4	5	23
Seafood product preparation and packaging	<1	8	10	54
Bread and bakery product, except frozen, manufacturing	<1	272	393	1,009
Cookie and cracker manufacturing	<1	96	144	457
Dry pasta, mixes, and dough manufacturing	<1	3	5	36
Tortilla manufacturing	<1	22	27	117
Roasted nuts and peanut butter manufacturing	<1	19	22	81
Other snack food manufacturing	<1	54	92	393
Coffee and tea manufacturing	<1	17	32	158
Flavoring syrup and concentrate manufacturing	<1	4	30	82
Mayonnaise, dressing, and sauce manufacturing	<1	18	32	137
Spice and extract manufacturing	<1	52	88	456
All other food manufacturing	<1	35	51	332
Bottled and canned soft drinks & water	<1	185	296	1,349
Manufactured ice	<1	20	11	51
Breweries	<1	15	35	108
Wineries	<1	1	2	11
Distilleries	<1	25	119	257
Tobacco product manufacturing	<1	<1	20	28
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	9	16	115
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	84	146	477
Curtain and linen mills	<1	8	11	32
Textile bag and canvas mills	<1	21	25	72
Rope, cordage, twine, tire cord and tire fabric mills	<1	4	6	18
Other textile product mills	<1	35	42	122
Hosiery and sock mills	<1	2	4	7
Other apparel knitting mills	<1	2	4	7
Cut and sew apparel contractors	<1	6	8	28
Mens and boys cut and sew apparel manufacturing	<1	3	6	14
Womens and girls cut and sew apparel manufacturing	<1	1	3	10
Other cut and sew apparel manufacturing	<1	3	6	18
Apparel accessories and other apparel manufacturing	<1	2	4	9
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	4
Sawmills	<1	2	3	10
Wood preservation	<1	2	6	22
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	44	60	187
Reconstituted wood product manufacturing	<1	8	17	61
Wood windows and door manufacturing	<1	99	129	361
Cut stock, resawing lumber, and planing	<1	8	12	38
Other millwork, including flooring	<1	93	133	327
Wood container and pallet manufacturing	<1	48	63	189
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	4	6	17
All other miscellaneous wood product manufacturing	<1	7	10	35
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	87	121	525
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	32	41	225
Paper bag and coated and treated paper manufacturing	<1	22	30	147
Stationery product manufacturing	<1	17	22	79
Sanitary paper product manufacturing	<1	120	213	1,273
All other converted paper product manufacturing	<1	13	16	73
Printing	<1	3,002	4,456	9,017
Support activities for printing	<1	18	25	39
Petroleum refineries	<1	132	725	5,981
Asphalt paving mixture and block manufacturing	<1	17	25	93
Asphalt shingle and coating materials manufacturing	<1	18	55	134
Petroleum lubricating oil and grease manufacturing	<1	7	20	75
All other petroleum and coal products manufacturing	<1	25	77	329
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	5	7	31
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	44	67	268
Other basic organic chemical manufacturing	<1	4	6	71
Plastics material and resin manufacturing	<1	5	6	58
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	6	9	37
Pesticide and other agricultural chemical manufacturing	<1	22	42	314
Medicinal and botanical manufacturing	<1	29	37	169
Pharmaceutical preparation manufacturing	<1	96	218	1,205
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	92	129	639
Adhesive manufacturing	<1	7	9	41
Soap and other detergent manufacturing	<1	25	54	350
Polish and other sanitation good manufacturing	<1	20	26	87
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	13	28	121
Printing ink manufacturing	<1	20	21	79
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	12	17	72
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	60	79	366
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	111	180	801
Unlaminated plastics profile shape manufacturing	<1	16	33	104
Plastics pipe and pipe fitting manufacturing	<1	21	54	183
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	9	16	58
Polystyrene foam product manufacturing	<1	12	20	85
Urethane and other foam product (except polystyrene) manufacturing	<1	21	33	110
Plastics bottle manufacturing	<1	9	14	61
Other plastics product manufacturing	<1	276	398	1,335
Tire manufacturing	<1	5	8	37
Rubber and plastics hoses and belting manufacturing	<1	13	19	65
Other rubber product manufacturing	<1	95	132	527
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	1	2
Brick, tile, and other structural clay product manufacturing	<1	3	5	11
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	37	66	160
Cement manufacturing	<1	28	68	156
Ready-mix concrete manufacturing	<1	296	520	1,571
Concrete block and brick manufacturing	<1	96	174	375
Concrete pipe manufacturing	<1	11	20	44
Other concrete product manufacturing	<1	122	175	408
Lime manufacturing	<1	8	20	46
Gypsum product manufacturing	<1	111	300	701
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	42	51	109
Ground or treated mineral and earth manufacturing	<1	14	41	102
Mineral wool manufacturing	<1	9	23	48
Miscellaneous nonmetallic mineral products manufacturing	<1	5	14	31
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	8	9	56
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	39	43	352
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	7	8	64
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	72	74	338
Secondary processing of other nonferrous metals	<1	45	38	311
Ferrous metal foundries	<1	44	45	161
Nonferrous metal foundries	<1	10	11	38
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	65	82	209
Iron and steel forging	0	0	0	0

Appendix

Nonferrous forging	<1	47	67	188
Cutlery, utensil, pot, and pan manufacturing	<1	15	39	94
Handtool manufacturing	<1	6	10	26
Prefabricated metal buildings and components manufacturing	<1	8	11	39
Fabricated structural metal manufacturing	<1	167	239	660
Plate work manufacturing	<1	9	10	31
Metal window and door manufacturing	<1	30	40	116
Sheet metal work manufacturing	<1	80	106	291
Ornamental and architectural metal work manufacturing	<1	93	119	337
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	4	5	16
Metal cans manufacturing	<1	6	13	62
Metal barrels, drums and pails manufacturing	<1	<1	<1	3
Hardware manufacturing	<1	14	22	86
Spring and wire product manufacturing	<1	16	21	57
Machine shops	<1	78	96	201
Turned product and screw, nut, and bolt manufacturing	<1	137	199	505
Metal heat treating	<1	5	7	16
Metal coating and nonprecious engraving	<1	26	44	122
Electroplating, anodizing, and coloring metal	<1	12	14	30
Valve and fittings, other than plumbing, manufacturing	<1	19	31	91
Plumbing fixture fitting and trim manufacturing	<1	2	6	28
Ball and roller bearing manufacturing	<1	6	10	30
Small arms ammunition manufacturing	<1	<1	1	4
Ammunition, except for small arms, manufacturing	<1	1	1	3
Small arms, ordnance, and accessories manufacturing	<1	33	61	146
Fabricated pipe and pipe fitting manufacturing	<1	1	1	4
Other fabricated metal manufacturing	<1	82	107	262
Farm machinery and equipment manufacturing	<1	<1	<1	3

Appendix

Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	1	3	9
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	1	2	4
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	7	10	40
Air purification and ventilation equipment manufacturing	<1	7	9	31
Heating equipment (except warm air furnaces) manufacturing	<1	6	8	20
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	10	16	44
Industrial mold manufacturing	<1	4	4	8
Special tool, die, jig, and fixture manufacturing	<1	3	3	7
Cutting tool and machine tool accessory manufacturing	<1	2	2	5
Machine tool manufacturing	<1	2	2	7
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	12	17	43
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	3	4	13
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	8	12	42
Power-driven handtool manufacturing	<1	2	4	17
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	4	5	16
Fluid power pump and motor manufacturing	<1	3	5	20
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	5
Electronic computer manufacturing	<1	<1	1	9
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	1	3	8
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	<1	2	5
Other communications equipment manufacturing	<1	1	3	11
Audio and video equipment manufacturing	<1	3	7	21
Printed circuit assembly (electronic assembly) manufacturing	<1	26	56	207
Bare printed circuit board manufacturing	<1	2	3	10
Semiconductor and related device manufacturing	<1	4	9	30

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	3	13
Electronic connector manufacturing	<1	40	71	240
Other electronic component manufacturing	<1	5	7	23
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	<1	2	4	7
Automatic environmental control manufacturing	<1	9	14	43
Industrial process variable instruments manufacturing	<1	22	40	83
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	1	2	6
Blank magnetic and optical recording media manufacturing	<1	11	49	297
Software and other prerecorded and record reproducing	<1	3	5	10
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	10	13	48
Small electrical appliance manufacturing	<1	10	16	55
Household cooking appliance manufacturing	<1	8	14	50
Household refrigerator and home freezer manufacturing	<1	9	15	52
Household laundry equipment manufacturing	<1	20	30	128
Other major household appliance manufacturing	<1	3	6	19
Power, distribution, and specialty transformer manufacturing	<1	4	5	12
Motor and generator manufacturing	<1	5	7	20
Switchgear and switchboard apparatus manufacturing	<1	4	6	22

Appendix

Relay and industrial control manufacturing	<1	2	3	9
Storage battery manufacturing	<1	728	857	2,577
Primary battery manufacturing	<1	46	30	154
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	429	543	2,081
Wiring device manufacturing	<1	427	610	1,696
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	6
Automobile manufacturing	<1	6	11	75
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	2
Motor vehicle body manufacturing	<1	<1	1	6
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	17	18	87
Motor vehicle gasoline engine and engine parts manufacturing	<1	33	40	267
Motor vehicle electrical and electronic equipment manufacturing	<1	8	11	48
Motor vehicle transmission and power train parts manufacturing	<1	27	35	163
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	74	75	384
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	49	64	315
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	25	50	170
Other aircraft parts and auxiliary equipment manufacturing	<1	4	6	18
Guided missile and space vehicle manufacturing	<1	4	6	17
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	0	0	0	0
Boat building	<1	8	11	37
Motorcycle, bicycle, and parts manufacturing	<1	11	39	133
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	3	7	36
Wood kitchen cabinet and countertop manufacturing	<1	67	68	169
Upholstered household furniture manufacturing	<1	7	8	33
Nonupholstered wood household furniture manufacturing	<1	6	6	18
Other household nonupholstered furniture manufacturing	<1	2	3	15
Institutional furniture manufacturing	<1	3	3	9
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	9	8	21
Office furniture, except wood, manufacturing	<1	4	5	18
Showcase, partition, shelving, and locker manufacturing	<1	5	5	17
Mattress manufacturing	<1	2	2	14
Blind and shade manufacturing	<1	<1	<1	4
Surgical and medical instrument manufacturing	<1	9	50	68
Surgical appliance and supplies manufacturing	<1	9	54	75
Dental equipment and supplies manufacturing	<1	<1	2	4
Ophthalmic goods manufacturing	<1	3	21	29
Dental laboratories	<1	22	26	43
Jewelry and silverware manufacturing	<1	45	105	211
Sporting and athletic goods manufacturing	<1	5	16	30
Doll, toy, and game manufacturing	<1	9	45	63
Office supplies (except paper) manufacturing	<1	25	87	137
Sign manufacturing	<1	263	274	560
Gasket, packing, and sealing device manufacturing	<1	3	8	14

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Musical instrument manufacturing	<1	2	3	6
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	542	1,348	1,934
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,222	2,584	6,095
Wholesale - Professional and commercial equipment and supplies	<1	5,354	8,295	14,271
Wholesale - Household appliances and electrical and electronic goods	<1	3,171	6,809	16,070
Wholesale - Machinery, equipment, and supplies	<1	2,375	4,269	7,367
Wholesale - Other durable goods merchant wholesalers	<1	4,718	7,780	14,362
Wholesale - Drugs and druggists' sundries	<1	2,641	6,365	12,894
Wholesale - Grocery and related product wholesalers	<1	3,199	4,163	8,601
Wholesale - Petroleum and petroleum products	<1	295	6,661	7,259
Wholesale - Other nondurable goods merchant wholesalers	<1	6,141	13,780	24,020
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,602	3,731	4,311
Retail - Motor vehicle and parts dealers	<1	4,812	7,834	10,595
Retail - Furniture and home furnishings stores	<1	2,285	3,458	5,274
Retail - Electronics and appliance stores	<1	2,550	2,961	4,791
Retail - Building material and garden equipment and supplies stores	<1	1,961	4,065	5,815
Retail - Food and beverage stores	<1	7,977	11,285	17,179
Retail - Health and personal care stores	<1	4,331	5,740	8,732
Retail - Gasoline stores	<1	2,681	4,517	7,178
Retail - Clothing and clothing accessories stores	<1	3,794	6,291	10,885
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,885	2,851	4,248
Retail - General merchandise stores	<1	6,537	11,054	16,840

Appendix

Retail - Miscellaneous store retailers	<1	4,239	5,338	7,520
Retail - Nonstore retailers	<1	5,489	17,827	32,027
Air transportation	<1	4,763	15,411	22,608
Rail transportation	<1	816	2,640	3,922
Water transportation	<1	34	61	1,521
Truck transportation	<1	8,219	9,797	18,936
Transit and ground passenger transportation	<1	5,985	8,512	12,496
Pipeline transportation	<1	157	534	654
Scenic and sightseeing transportation and support activities for transportation	<1	10,791	12,052	25,396
Couriers and messengers	<1	3,693	5,434	10,102
Warehousing and storage	<1	6,300	6,930	12,797
Newspaper publishers	<1	713	1,232	1,503
Periodical publishers	<1	555	899	1,376
Book publishers	<1	205	630	885
Directory, mailing list, and other publishers	<1	78	227	342
Greeting card publishing	<1	4	13	17
Software publishers	<1	28,068	65,284	72,994
Motion picture and video industries	<1	3,685	5,417	12,366
Sound recording industries	<1	401	1,753	2,966
Radio and television broadcasting	<1	15,870	16,975	21,232
Cable and other subscription programming	<1	355	845	1,100
Wired telecommunications carriers	<1	3,924	13,247	21,663
Wireless telecommunications carriers (except satellite)	<1	700	8,673	15,788
Satellite, telecommunications resellers, and all other telecommunications	<1	763	1,467	3,571
Data processing, hosting, and related services	<1	4,851	10,936	25,248
News syndicates, libraries, archives and all other information services	<1	249	426	881
Internet publishing and broadcasting and web search portals	<1	6,551	16,098	39,124
Nondepository credit intermediation and related activities	<1	10,990	16,707	24,536
Securities and commodity contracts intermediation and brokerage	<1	5,370	4,171	19,611

Appendix

Monetary authorities and depository credit intermediation	<1	11,593	57,414	74,140
Other financial investment activities	<1	4,914	6,122	35,922
Direct life insurance carriers	<1	469	1,433	1,823
Insurance carriers, except direct life	<1	6,322	37,150	57,402
Insurance agencies, brokerages, and related activities	<1	6,909	15,182	31,728
Funds, trusts, and other financial vehicles	<1	2,830	4,311	26,204
Other real estate	2	29,969	121,135	321,291
Tenant-occupied housing	<1	1,646	35,557	39,984
Owner-occupied dwellings	0	0	109,001	138,372
Automotive equipment rental and leasing	<1	1,866	6,624	8,622
General and consumer goods rental except video tapes and discs	<1	1,791	2,825	4,266
Video tape and disc rental	<1	411	682	1,056
Commercial and industrial machinery and equipment rental and leasing	<1	2,518	7,984	10,318
Lessors of nonfinancial intangible assets	<1	449	13,701	14,849
Legal services	<1	50,939	63,043	96,185
Accounting, tax preparation, bookkeeping, and payroll services	<1	12,878	17,306	25,432
Architectural, engineering, and related services	<1	19,999	22,356	39,644
Specialized design services	<1	1,437	2,398	3,578
Custom computer programming services	<1	4,005	4,207	5,923
Computer systems design services	<1	4,697	4,165	5,518
Other computer related services, including facilities management	<1	2,978	3,160	6,793
Management consulting services	<1	28,446	29,872	46,606
Environmental and other technical consulting services	<1	6,266	6,678	10,086
Scientific research and development services	8	683,260	833,355	1,654,402
Advertising, public relations, and related services	<1	9,614	13,826	23,253
Photographic services	<1	469	1,301	2,301
Veterinary services	<1	1,471	1,852	2,759
Marketing research and all other miscellaneous professional, scientific, and technical services	2	85,537	160,809	346,690

Appendix

Management of companies and enterprises	<1	78,033	93,129	146,777
Office administrative services	<1	4,318	1,589	3,828
Facilities support services	<1	1,763	2,557	4,405
Employment services	<1	35,475	52,050	78,616
Business support services	<1	8,157	6,745	11,999
Travel arrangement and reservation services	<1	2,596	3,373	7,913
Investigation and security services	<1	6,166	6,112	8,962
Services to buildings	<1	8,112	11,330	20,400
Landscape and horticultural services	<1	5,591	6,926	12,006
Other support services	<1	4,576	5,901	10,922
Waste management and remediation services	<1	3,535	5,744	10,432
Elementary and secondary schools	<1	3,230	3,282	3,739
Junior colleges, colleges, universities, and professional schools	<1	1,130	2,036	2,432
Other educational services	<1	2,888	3,604	6,331
Offices of physicians	<1	27,291	28,929	40,630
Offices of dentists	<1	5,583	7,031	10,023
Offices of other health practitioners	<1	4,367	6,368	8,446
Outpatient care centers	<1	5,786	5,352	9,314
Medical and diagnostic laboratories	<1	2,330	3,362	4,759
Home health care services	<1	4,629	4,456	5,507
Other ambulatory health care services	<1	1,823	2,053	3,255
Hospitals	<1	37,787	43,716	80,347
Nursing and community care facilities	<1	4,397	4,900	8,247
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,835	1,978	3,102
Individual and family services	<1	5,933	5,442	8,787
Child day care services	<1	1,897	3,109	4,109
Community food, housing, and other relief services, including rehabilitation services	<1	1,836	1,857	4,528
Performing arts companies	<1	2,354	4,134	4,951
Commercial Sports Except Racing	<1	3,264	3,549	4,410
Racing and Track Operation	<1	96	252	296
Independent artists, writers, and performers	<1	2,057	10,276	11,495

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,666	4,482	5,726
Museums, historical sites, zoos, and parks	<1	394	608	911
Amusement parks and arcades	<1	420	638	842
Gambling industries (except casino hotels)	<1	3,445	7,140	10,423
Other amusement and recreation industries	<1	2,595	2,989	4,302
Fitness and recreational sports centers	<1	1,795	2,326	3,395
Bowling centers	<1	301	463	639
Hotels and motels, including casino hotels	<1	13,453	24,087	33,801
Other accommodations	<1	146	196	251
Full-service restaurants	<1	11,565	21,271	31,471
Limited-service restaurants	<1	6,195	13,545	24,661
All other food and drinking places	<1	7,368	19,374	23,765
Automotive repair and maintenance, except car washes	<1	9,380	10,364	15,018
Car washes	<1	4,457	7,008	10,161
Electronic and precision equipment repair and maintenance	<1	2,566	3,077	5,123
Commercial and industrial machinery and equipment repair and maintenance	<1	3,627	2,958	4,712
Personal and household goods repair and maintenance	<1	1,416	2,510	3,606
Personal care services	<1	3,530	2,882	3,902
Death care services	<1	903	422	660
Dry-cleaning and laundry services	<1	2,976	1,278	1,936
Other personal services	<1	2,878	3,731	5,229
Religious organizations	<1	5,904	2,247	8,782
Grantmaking, giving, and social advocacy organizations	<1	1,348	3,834	6,194
Business and professional associations	<1	1,157	1,833	3,096
Labor and civic organizations	<1	2,079	5,219	8,297
Private households	<1	1,587	1,587	1,587
Postal service	<1	4,364	4,365	4,644
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	238	106	1,267
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	91	98	144
Local government passenger transit	<1	2	-3	<1
Local government electric utilities	<1	109	230	443
Other local government enterprises	<1	4,425	6,918	13,690
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 711: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Nevada

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	46	2,710,645	4,488,760	8,059,358
Oilseed farming	0	0	0	0
Grain farming	<1	69	275	1,023
Vegetable and melon farming	<1	84	226	433
Fruit farming	<1	3	10	14
Tree nut farming	<1	3	9	12
Greenhouse, nursery, and floriculture production	<1	33	57	111
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	360	622	1,275
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	48	629	2,725

Appendix

Dairy cattle and milk production	<1	28	111	720
Poultry and egg production	<1	6	11	126
Animal production, except cattle and poultry and eggs	<1	194	1,209	1,738
Forestry, forest products, and timber tract production	<1	32	35	41
Commercial logging	<1	47	51	66
Commercial fishing	<1	39	368	400
Commercial hunting and trapping	<1	3	24	26
Support activities for agriculture and forestry	<1	858	817	1,221
Oil and gas extraction	<1	408	48	15,264
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	927	2,744	4,558
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,937	4,247	6,766
Silver ore mining	<1	85	163	314
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	6	11	18
Stone mining and quarrying	<1	88	361	557
Sand and gravel mining	<1	186	440	757
Other clay, ceramic, refractory minerals mining	<1	32	71	111
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	102	276	456
Other nonmetallic minerals	<1	96	209	372
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	1	9
Metal mining services	<1	237	423	1,395
Other nonmetallic minerals services	<1	<1	1	13
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	2,327	9,904	23,570
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	228	935	1,904
Electric power generation - Wind	<1	26	261	558
Electric power generation - Geothermal	<1	494	1,262	2,457

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	6,289	25,169	59,738
Natural gas distribution	<1	5,157	15,390	31,857
Water, sewage and other systems	<1	1,192	2,579	4,395
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	11,484	18,341	39,269
Maintenance and repair construction of residential structures	<1	3,905	6,055	13,022
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	15	32
Dog and cat food manufacturing	<1	47	130	539
Other animal food manufacturing	<1	133	247	1,814
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1	7	73
Fats and oils refining and blending	<1	1	2	23
Breakfast cereal manufacturing	<1	134	310	1,118
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	11	17	97
Chocolate and confectionery manufacturing from cacao beans	<1	7	10	57
Confectionery manufacturing from purchased chocolate	<1	50	69	397
Frozen fruits, juices and vegetables manufacturing	<1	194	367	1,998
Frozen specialties manufacturing	<1	45	62	331
Canned fruits and vegetables manufacturing	<1	39	77	283
Canned specialties	<1	21	53	295
Dehydrated food products manufacturing	<1	2	4	19
Cheese manufacturing	<1	18	26	298
Dry, condensed, and evaporated dairy product manufacturing	<1	42	97	720
Fluid milk manufacturing	<1	156	242	1,573
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	171	232	828
Frozen cakes and other pastries manufacturing	<1	235	356	627
Poultry processing	<1	42	51	200
Animal, except poultry, slaughtering	<1	25	33	232
Meat processed from carcasses	<1	156	156	1,431
Rendering and meat byproduct processing	<1	8	9	43
Seafood product preparation and packaging	<1	33	41	242
Bread and bakery product, except frozen, manufacturing	<1	666	965	2,524
Cookie and cracker manufacturing	<1	158	222	816
Dry pasta, mixes, and dough manufacturing	<1	5	10	63
Tortilla manufacturing	<1	45	56	259
Roasted nuts and peanut butter manufacturing	<1	31	34	137
Other snack food manufacturing	<1	106	183	789
Coffee and tea manufacturing	<1	49	87	446
Flavoring syrup and concentrate manufacturing	<1	5	39	107
Mayonnaise, dressing, and sauce manufacturing	<1	39	74	330
Spice and extract manufacturing	<1	95	156	882
All other food manufacturing	<1	50	74	509

Appendix

Bottled and canned soft drinks & water	<1	368	575	2,728
Manufactured ice	<1	36	19	101
Breweries	<1	45	98	312
Wineries	<1	1	2	13
Distilleries	<1	55	241	561
Tobacco product manufacturing	<1	1	25	39
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	11	18	147
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	140	196	843
Curtain and linen mills	<1	14	17	56
Textile bag and canvas mills	<1	34	38	117
Rope, cordage, twine, tire cord and tire fabric mills	<1	14	18	58
Other textile product mills	<1	52	60	192
Hosiery and sock mills	<1	4	7	16
Other apparel knitting mills	<1	3	5	10
Cut and sew apparel contractors	<1	6	8	27
Mens and boys cut and sew apparel manufacturing	<1	3	6	18
Womens and girls cut and sew apparel manufacturing	<1	1	3	11
Other cut and sew apparel manufacturing	<1	5	12	41
Apparel accessories and other apparel manufacturing	<1	2	5	13
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	5
Sawmills	<1	4	6	22
Wood preservation	<1	6	14	50
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	81	110	345
Reconstituted wood product manufacturing	<1	22	45	159
Wood windows and door manufacturing	<1	213	278	792

Appendix

Cut stock, resawing lumber, and planing	<1	15	24	77
Other millwork, including flooring	<1	164	235	610
Wood container and pallet manufacturing	<1	86	111	344
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	10	13	37
All other miscellaneous wood product manufacturing	<1	11	15	59
Pulp mills	0	0	0	0
Paper mills	<1	215	360	1,356
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	33	43	239
Paper bag and coated and treated paper manufacturing	<1	33	48	241
Stationery product manufacturing	<1	33	43	167
Sanitary paper product manufacturing	<1	269	518	2,847
All other converted paper product manufacturing	<1	27	34	145
Printing	<1	3,224	4,516	10,318
Support activities for printing	<1	9	12	20
Petroleum refineries	<1	305	1,606	13,410
Asphalt paving mixture and block manufacturing	<1	34	48	194
Asphalt shingle and coating materials manufacturing	<1	42	118	295
Petroleum lubricating oil and grease manufacturing	<1	649	1,909	8,167
All other petroleum and coal products manufacturing	<1	74	266	1,145
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	12	17	74
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	99	134	559
Other basic organic chemical manufacturing	<1	12	18	187
Plastics material and resin manufacturing	<1	12	15	135
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	10	14	58
Pesticide and other agricultural chemical manufacturing	<1	61	115	827
Medicinal and botanical manufacturing	<1	30	37	188
Pharmaceutical preparation manufacturing	<1	110	230	1,394
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	172	225	1,123
Adhesive manufacturing	<1	8	9	47
Soap and other detergent manufacturing	<1	34	63	532
Polish and other sanitation good manufacturing	<1	24	28	108
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	17	32	151
Printing ink manufacturing	<1	16	16	60
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	33	42	197
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	112	138	622
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	141	233	1,068
Unlaminated plastics profile shape manufacturing	<1	17	37	121
Plastics pipe and pipe fitting manufacturing	<1	31	83	272
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	15	28	101
Polystyrene foam product manufacturing	<1	23	39	166
Urethane and other foam product (except polystyrene) manufacturing	<1	36	58	196
Plastics bottle manufacturing	<1	11	18	84
Other plastics product manufacturing	<1	413	595	2,120

Appendix

Tire manufacturing	<1	12	19	91
Rubber and plastics hoses and belting manufacturing	<1	25	37	126
Other rubber product manufacturing	<1	111	156	593
Pottery, ceramics, and plumbing fixture manufacturing	<1	1	2	4
Brick, tile, and other structural clay product manufacturing	<1	5	9	20
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	59	108	256
Cement manufacturing	<1	47	126	277
Ready-mix concrete manufacturing	<1	517	945	2,807
Concrete block and brick manufacturing	<1	131	256	524
Concrete pipe manufacturing	<1	21	39	82
Other concrete product manufacturing	<1	234	349	784
Lime manufacturing	<1	26	66	150
Gypsum product manufacturing	<1	143	430	943
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	82	100	213
Ground or treated mineral and earth manufacturing	<1	33	99	237
Mineral wool manufacturing	<1	11	29	62
Miscellaneous nonmetallic mineral products manufacturing	<1	6	21	45
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	9	12	70
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	49	63	527
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	23	34	230
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	72	78	330
Secondary processing of other nonferrous metals	<1	41	51	336
Ferrous metal foundries	<1	66	79	254
Nonferrous metal foundries	<1	10	12	38
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	70	88	234
Iron and steel forging	0	0	0	0
Nonferrous forging	<1	31	45	132
Cutlery, utensil, pot, and pan manufacturing	<1	20	51	126
Handtool manufacturing	<1	6	10	28
Prefabricated metal buildings and components manufacturing	<1	11	16	54
Fabricated structural metal manufacturing	<1	191	284	789
Plate work manufacturing	<1	19	22	70
Metal window and door manufacturing	<1	39	55	161
Sheet metal work manufacturing	<1	122	164	464
Ornamental and architectural metal work manufacturing	<1	138	182	531
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	4	5	18
Metal cans manufacturing	<1	10	22	103
Metal barrels, drums and pails manufacturing	<1	<1	<1	6
Hardware manufacturing	<1	18	29	115
Spring and wire product manufacturing	<1	11	14	39
Machine shops	<1	91	112	242
Turned product and screw, nut, and bolt manufacturing	<1	118	174	457
Metal heat treating	<1	5	7	17
Metal coating and nonprecious engraving	<1	31	56	151
Electroplating, anodizing, and coloring metal	<1	12	14	31
Valve and fittings, other than plumbing, manufacturing	<1	28	44	132

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Plumbing fixture fitting and trim manufacturing	<1	3	7	34
Ball and roller bearing manufacturing	<1	4	8	25
Small arms ammunition manufacturing	<1	1	2	7
Ammunition, except for small arms, manufacturing	<1	3	4	10
Small arms, ordnance, and accessories manufacturing	<1	47	88	231
Fabricated pipe and pipe fitting manufacturing	<1	2	3	9
Other fabricated metal manufacturing	<1	112	149	375
Farm machinery and equipment manufacturing	<1	<1	<1	2
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	4	7	25
Mining machinery and equipment manufacturing	<1	<1	<1	1
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	1	1	3
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	8	11	49
Air purification and ventilation equipment manufacturing	<1	8	10	36
Heating equipment (except warm air furnaces) manufacturing	<1	19	24	70
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	23	33	99
Industrial mold manufacturing	<1	4	4	9
Special tool, die, jig, and fixture manufacturing	<1	2	3	6

Appendix

Cutting tool and machine tool accessory manufacturing	<1	2	3	6
Machine tool manufacturing	<1	2	2	6
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	16	21	62
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	3	5	15
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	1
Industrial truck, trailer, and stacker manufacturing	<1	17	23	85
Power-driven handtool manufacturing	<1	1	3	11
Welding and soldering equipment manufacturing	<1	<1	<1	3
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	4	5	15
Fluid power pump and motor manufacturing	<1	<1	1	6
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	5
Electronic computer manufacturing	<1	<1	1	7
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	2	3	10
Telephone apparatus manufacturing	<1	1	2	7

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Broadcast and wireless communications equipment manufacturing	<1	<1	1	3
Other communications equipment manufacturing	<1	1	3	9
Audio and video equipment manufacturing	<1	3	6	20
Printed circuit assembly (electronic assembly) manufacturing	<1	9	21	76
Bare printed circuit board manufacturing	<1	1	2	7
Semiconductor and related device manufacturing	<1	2	4	14
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1	2	9
Electronic connector manufacturing	<1	26	47	160
Other electronic component manufacturing	<1	4	6	21
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	1	2	5
Automatic environmental control manufacturing	<1	1	2	5
Industrial process variable instruments manufacturing	<1	19	35	73
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	2	5
Blank magnetic and optical recording media manufacturing	<1	4	16	121
Software and other prerecorded and record reproducing	<1	<1	2	5
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	4	5	21
Small electrical appliance manufacturing	<1	12	18	73

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Household cooking appliance manufacturing	<1	14	20	77
Household refrigerator and home freezer manufacturing	<1	15	22	81
Household laundry equipment manufacturing	<1	35	46	206
Other major household appliance manufacturing	<1	6	9	31
Power, distribution, and specialty transformer manufacturing	<1	1	2	5
Motor and generator manufacturing	<1	9	12	35
Switchgear and switchboard apparatus manufacturing	<1	1	1	6
Relay and industrial control manufacturing	<1	2	2	7
Storage battery manufacturing	<1	725	877	2,756
Primary battery manufacturing	<1	71	25	231
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	181	224	904
Wiring device manufacturing	<1	369	504	1,552
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	7
Automobile manufacturing	<1	12	25	170
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	5
Motor vehicle body manufacturing	<1	2	3	14
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	44	49	229
Motor vehicle gasoline engine and engine parts manufacturing	<1	49	65	409
Motor vehicle electrical and electronic equipment manufacturing	<1	15	25	117
Motor vehicle transmission and power train parts manufacturing	<1	18	23	134
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	141	176	752

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	72	98	497
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	1	2	8
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	1	4
Guided missile and space vehicle manufacturing	<1	4	6	18
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	<1	<1	4
Ship building and repairing	0	0	0	0
Boat building	<1	21	30	102
Motorcycle, bicycle, and parts manufacturing	<1	12	44	154
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	5	10	56
Wood kitchen cabinet and countertop manufacturing	<1	126	144	351
Upholstered household furniture manufacturing	<1	9	10	40
Nonupholstered wood household furniture manufacturing	<1	10	11	31
Other household nonupholstered furniture manufacturing	<1	4	5	24
Institutional furniture manufacturing	<1	8	8	26
Wood office furniture manufacturing	<1	<1	<1	1
Custom architectural woodwork and millwork	<1	13	12	31
Office furniture, except wood, manufacturing	<1	4	6	21
Showcase, partition, shelving, and locker manufacturing	<1	7	8	28
Mattress manufacturing	<1	3	4	26
Blind and shade manufacturing	<1	2	2	8
Surgical and medical instrument manufacturing	<1	12	62	94
Surgical appliance and supplies manufacturing	<1	10	62	93
Dental equipment and supplies manufacturing	<1	<1	3	5

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Ophthalmic goods manufacturing	<1	5	31	46
Dental laboratories	<1	30	34	58
Jewelry and silverware manufacturing	<1	86	198	407
Sporting and athletic goods manufacturing	<1	9	28	56
Doll, toy, and game manufacturing	<1	11	52	79
Office supplies (except paper) manufacturing	<1	53	178	321
Sign manufacturing	<1	508	503	1,067
Gasket, packing, and sealing device manufacturing	<1	6	14	26
Musical instrument manufacturing	<1	1	2	5
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	866	2,092	3,234
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,852	3,950	9,279
Wholesale - Professional and commercial equipment and supplies	<1	6,628	10,318	18,050
Wholesale - Household appliances and electrical and electronic goods	<1	2,996	6,690	15,948
Wholesale - Machinery, equipment, and supplies	<1	3,632	6,671	11,489
Wholesale - Other durable goods merchant wholesalers	<1	7,571	12,555	23,345
Wholesale - Drugs and druggists' sundries	<1	4,389	10,909	22,519
Wholesale - Grocery and related product wholesalers	<1	7,149	9,411	19,623
Wholesale - Petroleum and petroleum products	<1	768	11,908	13,408
Wholesale - Other nondurable goods merchant wholesalers	<1	10,652	22,771	41,155
Wholesale - Wholesale electronic markets and agents and brokers	<1	6,568	6,804	7,903
Retail - Motor vehicle and parts dealers	<1	8,901	14,476	19,785
Retail - Furniture and home furnishings stores	<1	4,154	6,281	9,788
Retail - Electronics and appliance stores	<1	4,763	5,405	9,011

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Retail - Building material and garden equipment and supplies stores	<1	3,506	7,289	10,529
Retail - Food and beverage stores	<1	13,433	19,253	30,074
Retail - Health and personal care stores	<1	8,246	10,877	16,655
Retail - Gasoline stores	<1	4,754	8,546	14,427
Retail - Clothing and clothing accessories stores	<1	6,704	11,334	20,471
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,452	5,227	8,022
Retail - General merchandise stores	<1	13,149	22,045	33,768
Retail - Miscellaneous store retailers	<1	7,346	9,354	13,811
Retail - Nonstore retailers	<1	9,650	29,552	55,049
Air transportation	<1	7,944	24,040	36,671
Rail transportation	<1	1,360	5,302	7,249
Water transportation	<1	41	73	1,934
Truck transportation	<1	14,233	17,344	34,373
Transit and ground passenger transportation	<1	6,105	8,481	13,652
Pipeline transportation	<1	710	1,828	2,231
Scenic and sightseeing transportation and support activities for transportation	<1	15,849	17,628	36,720
Couriers and messengers	<1	5,167	7,529	14,204
Warehousing and storage	<1	10,234	11,246	21,190
Newspaper publishers	<1	1,095	1,866	2,330
Periodical publishers	<1	547	872	1,446
Book publishers	<1	291	896	1,289
Directory, mailing list, and other publishers	<1	129	357	543
Greeting card publishing	<1	6	15	22
Software publishers	<1	5,111	11,791	13,478
Motion picture and video industries	<1	3,831	5,509	15,710
Sound recording industries	<1	678	2,711	5,143
Radio and television broadcasting	<1	13,582	15,869	29,018
Cable and other subscription programming	<1	180	671	1,127
Wired telecommunications carriers	<1	6,066	21,052	35,549
Wireless telecommunications carriers (except satellite)	<1	1,041	12,237	23,574

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Satellite, telecommunications resellers, and all other telecommunications	<1	1,000	2,028	5,427
Data processing, hosting, and related services	<1	5,434	12,358	34,266
News syndicates, libraries, archives and all other information services	<1	291	480	1,102
Internet publishing and broadcasting and web search portals	<1	4,674	11,718	47,098
Nondepository credit intermediation and related activities	<1	16,288	24,237	38,195
Securities and commodity contracts intermediation and brokerage	<1	7,562	6,111	34,448
Monetary authorities and depository credit intermediation	<1	21,347	97,162	133,258
Other financial investment activities	<1	5,824	7,551	54,249
Direct life insurance carriers	<1	988	2,855	3,869
Insurance carriers, except direct life	<1	11,270	60,840	102,880
Insurance agencies, brokerages, and related activities	<1	12,771	27,310	59,920
Funds, trusts, and other financial vehicles	<1	4,487	6,601	48,036
Other real estate	3	42,077	176,677	523,996
Tenant-occupied housing	<1	2,767	54,779	63,846
Owner-occupied dwellings	0	0	174,150	221,075
Automotive equipment rental and leasing	<1	1,850	8,857	12,321
General and consumer goods rental except video tapes and discs	<1	3,296	5,739	9,263
Video tape and disc rental	<1	749	1,274	1,984
Commercial and industrial machinery and equipment rental and leasing	<1	2,753	10,863	14,528
Lessors of nonfinancial intangible assets	<1	551	15,232	16,594
Legal services	<1	70,341	84,845	132,687
Accounting, tax preparation, bookkeeping, and payroll services	<1	15,183	19,326	29,817
Architectural, engineering, and related services	<1	27,943	30,245	55,214
Specialized design services	<1	1,571	2,393	3,892
Custom computer programming services	<1	5,411	5,770	8,485

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Computer systems design services	<1	5,322	4,677	6,358
Other computer related services, including facilities management	<1	2,720	2,902	6,533
Management consulting services	<1	40,977	42,741	69,689
Environmental and other technical consulting services	<1	6,784	7,144	11,056
Scientific research and development services	10	779,980	985,835	2,018,794
Advertising, public relations, and related services	<1	11,770	16,265	29,677
Photographic services	<1	584	1,410	2,785
Veterinary services	<1	2,563	3,082	4,780
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	13,245	23,148	55,291
Management of companies and enterprises	<1	90,065	106,873	175,428
Office administrative services	<1	3,361	1,150	3,127
Facilities support services	<1	1,850	2,706	5,268
Employment services	1	39,650	56,757	92,368
Business support services	<1	12,817	10,350	19,914
Travel arrangement and reservation services	<1	3,859	5,001	12,072
Investigation and security services	<1	7,770	7,634	11,890
Services to buildings	<1	12,542	17,198	33,303
Landscape and horticultural services	<1	8,628	10,600	19,199
Other support services	<1	6,869	8,800	17,286
Waste management and remediation services	<1	5,920	9,619	17,866
Elementary and secondary schools	<1	4,295	4,403	5,115
Junior colleges, colleges, universities, and professional schools	11	513,047	928,122	1,148,413
Other educational services	<1	5,601	6,919	12,693
Offices of physicians	<1	50,332	52,922	74,695
Offices of dentists	<1	9,919	12,164	17,630
Offices of other health practitioners	<1	8,172	11,447	15,370
Outpatient care centers	<1	9,625	8,804	15,257
Medical and diagnostic laboratories	<1	4,073	5,653	8,260
Home health care services	<1	8,625	8,236	10,216
Other ambulatory health care services	<1	3,218	3,571	5,747

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Hospitals	<1	56,084	65,499	122,326
Nursing and community care facilities	<1	7,309	8,133	14,234
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,589	2,783	4,493
Individual and family services	<1	8,851	7,924	13,117
Child day care services	<1	3,079	4,821	6,644
Community food, housing, and other relief services, including rehabilitation services	<1	2,527	2,539	6,456
Performing arts companies	<1	2,691	4,904	6,660
Commercial Sports Except Racing	<1	4,565	5,327	6,814
Racing and Track Operation	<1	144	395	540
Independent artists, writers, and performers	<1	2,159	12,762	14,782
Promoters of performing arts and sports and agents for public figures	<1	1,997	5,721	8,086
Museums, historical sites, zoos, and parks	<1	632	984	1,527
Amusement parks and arcades	<1	613	1,106	1,481
Gambling industries (except casino hotels)	<1	5,340	11,105	16,894
Other amusement and recreation industries	<1	4,230	5,087	7,682
Fitness and recreational sports centers	<1	2,650	3,638	5,550
Bowling centers	<1	517	829	1,186
Hotels and motels, including casino hotels	<1	16,618	30,831	44,372
Other accommodations	<1	133	181	237
Full-service restaurants	<1	19,266	34,622	53,540
Limited-service restaurants	<1	10,560	22,650	43,770
All other food and drinking places	<1	9,279	24,352	31,079
Automotive repair and maintenance, except car washes	<1	14,362	17,115	24,865
Car washes	<1	7,017	11,161	16,390
Electronic and precision equipment repair and maintenance	<1	4,042	4,766	8,306
Commercial and industrial machinery and equipment repair and maintenance	<1	5,849	4,853	8,043
Personal and household goods repair and maintenance	<1	2,064	3,906	5,690
Personal care services	<1	5,597	4,861	6,579
Death care services	<1	1,297	785	1,160

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Dry-cleaning and laundry services	<1	4,391	2,471	3,524
Other personal services	<1	4,409	5,839	8,335
Religious organizations	<1	8,917	4,454	14,545
Grantmaking, giving, and social advocacy organizations	<1	1,707	5,443	8,728
Business and professional associations	<1	1,669	2,872	4,934
Labor and civic organizations	<1	2,845	7,933	12,246
Private households	<1	2,510	2,510	2,510
Postal service	<1	6,748	6,750	7,197
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	417	136	1,948
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	535	613	987
Local government passenger transit	<1	3	-3	<1
Local government electric utilities	<1	185	455	893
Other local government enterprises	<1	9,942	17,500	34,670
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	234,863	370,966	848,670

New Hampshire

NASA

Table 712: Detailed NASA Impacts by Types of Impact, New Hampshire

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	454	33,114,356	49,583,109	88,041,648
Oilseed farming	<1	-2	8	96
Grain farming	<1	451	2,483	6,263
Vegetable and melon farming	<1	1,819	5,681	7,506
Fruit farming	<1	2,233	7,654	7,594
Tree nut farming	<1	11	33	34
Greenhouse, nursery, and floriculture production	<1	3,595	6,572	8,855
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,242	3,921	5,924
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	47	2,339	5,758
Dairy cattle and milk production	<1	435	2,524	9,657
Poultry and egg production	<1	952	3,234	13,473
Animal production, except cattle and poultry and eggs	<1	2,689	21,521	30,087
Forestry, forest products, and timber tract production	<1	1,111	918	1,220
Commercial logging	<1	8,251	3,479	8,365
Commercial fishing	<1	2,632	2,508	9,646
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	36,437	29,296	35,142
Oil and gas extraction	<1	10,481	12,535	60,059
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,347	3,358	11,526
Sand and gravel mining	<1	3,776	5,523	15,757

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Other clay, ceramic, refractory minerals mining	<1	430	531	1,779
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	2
Support activities for oil and gas operations	<1	19	22	56
Metal mining services	<1	32	43	238
Other nonmetallic minerals services	<1	27	37	189
Electric power generation - Hydroelectric	<1	4,547	18,739	37,395
Electric power generation - Fossil fuel	<1	8,881	45,046	107,325
Electric power generation - Nuclear	<1	36,294	96,919	189,685
Electric power generation - Solar	<1	231	1,056	1,978
Electric power generation - Wind	<1	2,375	26,392	44,086
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	5,088	29,741	72,145
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	65,919	293,165	640,531
Natural gas distribution	<1	24,998	86,423	173,389
Water, sewage and other systems	<1	4,544	11,118	19,671
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	191,037	84,945	384,128
Maintenance and repair construction of residential structures	<1	57,689	36,519	126,261
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	75	37	155
Dog and cat food manufacturing	<1	206	746	3,084
Other animal food manufacturing	<1	1,735	3,289	22,991
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	206	473	3,925
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	186	592	3,314
Nonchocolate confectionery manufacturing	<1	28	48	261
Chocolate and confectionery manufacturing from cacao beans	<1	3,617	6,127	25,173
Confectionery manufacturing from purchased chocolate	<1	539	817	3,324
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	559	858	4,180
Canned fruits and vegetables manufacturing	<1	84	198	866
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	5,347	9,566	46,324
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	571	865	3,070
Frozen cakes and other pastries manufacturing	<1	2,772	3,407	7,059

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	1,265	1,694	13,253
Meat processed from carcasses	<1	3,032	3,140	24,496
Rendering and meat byproduct processing	<1	93	122	523
Seafood product preparation and packaging	<1	1,975	2,734	13,321
Bread and bakery product, except frozen, manufacturing	<1	4,882	6,169	19,392
Cookie and cracker manufacturing	<1	543	881	3,645
Dry pasta, mixes, and dough manufacturing	<1	613	1,616	7,009
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	580	771	3,592
Other snack food manufacturing	<1	756	1,422	5,899
Coffee and tea manufacturing	<1	94	207	1,774
Flavoring syrup and concentrate manufacturing	<1	61	596	1,247
Mayonnaise, dressing, and sauce manufacturing	<1	42	93	359
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	1,000	1,629	6,658
Bottled and canned soft drinks & water	<1	3,618	6,644	26,145
Manufactured ice	<1	427	288	1,090
Breweries	<1	7,142	18,212	45,128
Wineries	<1	1,299	2,493	11,492
Distilleries	<1	276	1,934	4,068
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	53	60	439
Broadwoven fabric mills	<1	3,398	3,112	10,086
Narrow fabric mills and schiffli machine embroidery	<1	127	128	349
Nonwoven fabric mills	<1	4,356	3,017	20,485
Knit fabric mills	<1	40	37	112
Textile and fabric finishing mills	<1	106	105	590
Fabric coating mills	<1	8,618	7,972	40,394
Carpet and rug mills	<1	1,226	1,165	7,495
Curtain and linen mills	<1	32	32	103
Textile bag and canvas mills	<1	521	516	1,271
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	398	401	1,231
Hosiery and sock mills	<1	15	18	48

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Other apparel knitting mills	<1	18	22	58
Cut and sew apparel contractors	<1	24	27	62
Mens and boys cut and sew apparel manufacturing	<1	44	63	190
Womens and girls cut and sew apparel manufacturing	<1	166	335	875
Other cut and sew apparel manufacturing	<1	426	758	1,881
Apparel accessories and other apparel manufacturing	<1	135	231	475
Leather and hide tanning and finishing	<1	21	42	103
Footwear manufacturing	<1	140	167	373
Other leather and allied product manufacturing	<1	89	99	199
Sawmills	<1	6,177	9,139	34,381
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	1,247	1,814	5,909
Engineered wood member and truss manufacturing	<1	113	161	479
Reconstituted wood product manufacturing	<1	821	1,741	6,264
Wood windows and door manufacturing	<1	5,045	6,706	19,371
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	5,566	8,260	20,241
Wood container and pallet manufacturing	<1	1,004	1,309	3,705
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	1,121	1,469	3,891
All other miscellaneous wood product manufacturing	<1	1,689	2,350	8,125
Pulp mills	0	0	0	0
Paper mills	<1	7,800	11,732	52,013
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	1,868	2,468	12,327
Paper bag and coated and treated paper manufacturing	<1	1,571	2,263	10,815
Stationery product manufacturing	<1	133	180	921
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	704	896	3,273

Appendix

Printing	<1	36,797	82,231	161,650
Support activities for printing	<1	1,384	2,759	4,320
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	1,479	2,391	9,684
Asphalt shingle and coating materials manufacturing	<1	704	2,441	5,939
Petroleum lubricating oil and grease manufacturing	<1	3,841	12,745	31,207
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	52	74	422
Other basic inorganic chemical manufacturing	<1	63	96	545
Other basic organic chemical manufacturing	<1	172	294	3,278
Plastics material and resin manufacturing	<1	1,302	1,904	16,703
Synthetic rubber manufacturing	<1	3	4	27
Artificial and synthetic fibers and filaments manufacturing	<1	13	18	123
Nitrogenous fertilizer manufacturing	<1	95	141	478
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	14	20	67
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	1,151	2,649	13,201
In-vitro diagnostic substance manufacturing	<1	624	704	1,852
Biological product (except diagnostic) manufacturing	<1	2,353	3,089	8,380
Paint and coating manufacturing	<1	338	448	2,040
Adhesive manufacturing	<1	1,543	1,909	9,700
Soap and other detergent manufacturing	<1	282	540	3,335
Polish and other sanitation good manufacturing	<1	106	133	586
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	501	885	4,189
Printing ink manufacturing	<1	97	112	554

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	204	283	1,402
Photographic film and chemical manufacturing	<1	1,992	2,998	15,252
Other miscellaneous chemical product manufacturing	<1	1,495	2,121	14,692
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,538	1,895	7,958
Unlaminated plastics profile shape manufacturing	<1	16,899	23,425	94,903
Plastics pipe and pipe fitting manufacturing	<1	498	771	3,488
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,723	2,213	8,787
Polystyrene foam product manufacturing	<1	137	177	883
Urethane and other foam product (except polystyrene) manufacturing	<1	2,051	2,529	11,789
Plastics bottle manufacturing	<1	306	382	1,902
Other plastics product manufacturing	<1	17,104	19,996	72,169
Tire manufacturing	<1	3,824	4,691	25,029
Rubber and plastics hoses and belting manufacturing	<1	1,394	1,668	6,179
Other rubber product manufacturing	<1	6,054	7,104	26,681
Pottery, ceramics, and plumbing fixture manufacturing	<1	386	527	1,264
Brick, tile, and other structural clay product manufacturing	<1	1,766	2,698	5,880
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	5,951	9,172	20,726
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	3,039	4,568	9,427
Cement manufacturing	<1	1,814	3,718	11,273
Ready-mix concrete manufacturing	<1	6,024	9,229	28,706
Concrete block and brick manufacturing	<1	3,232	5,201	14,033
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	5,415	7,028	15,805
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	2,213	4,743	11,975

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Abrasive product manufacturing	<1	823	1,842	3,308
Cut stone and stone product manufacturing	<1	2,352	2,703	5,189
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	647	1,461	3,293
Iron and steel mills and ferroalloy manufacturing	<1	1,739	2,807	23,453
Iron, steel pipe and tube manufacturing from purchased steel	<1	155	214	1,312
Rolled steel shape manufacturing	<1	210	328	2,287
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	152	196	1,227
Nonferrous metal (exc aluminum) smelting and refining	<1	292	665	3,591
Copper rolling, drawing, extruding and alloying	<1	2,686	3,567	30,731
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	103	133	923
Ferrous metal foundries	<1	2,551	2,986	8,505
Nonferrous metal foundries	<1	2,260	2,772	7,818
Custom roll forming	<1	1,221	2,223	9,363
Crown and closure manufacturing and metal stamping	<1	5,075	6,699	17,481
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	200	524	1,179
Handtool manufacturing	<1	43	73	156
Prefabricated metal buildings and components manufacturing	<1	630	946	2,671
Fabricated structural metal manufacturing	<1	3,039	4,767	14,186
Plate work manufacturing	<1	96	113	305
Metal window and door manufacturing	<1	1,115	1,577	3,695
Sheet metal work manufacturing	<1	12,745	17,653	43,830

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Ornamental and architectural metal work manufacturing	<1	2,086	2,797	6,502
Power boiler and heat exchanger manufacturing	<1	73	111	267
Metal tank (heavy gauge) manufacturing	<1	28	38	100
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	83	109	338
Hardware manufacturing	<1	534	883	2,399
Spring and wire product manufacturing	<1	1,157	1,669	4,679
Machine shops	<1	15,520	19,609	37,534
Turned product and screw, nut, and bolt manufacturing	<1	2,821	4,349	11,712
Metal heat treating	<1	641	971	2,336
Metal coating and nonprecious engraving	<1	628	1,145	2,836
Electroplating, anodizing, and coloring metal	<1	863	1,029	2,211
Valve and fittings, other than plumbing, manufacturing	<1	2,034	3,459	10,242
Plumbing fixture fitting and trim manufacturing	<1	1,288	3,934	13,781
Ball and roller bearing manufacturing	<1	5,506	10,162	24,617
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	5,194	10,080	20,553
Fabricated pipe and pipe fitting manufacturing	<1	535	708	1,798
Other fabricated metal manufacturing	<1	544	761	1,993
Farm machinery and equipment manufacturing	<1	25	48	230
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	23	57	218
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	634	761	2,006
Food product machinery manufacturing	<1	10	12	34

Appendix

Sawmill, woodworking, and paper machinery	<1	340	397	1,036
Printing machinery and equipment manufacturing	<1	182	211	617
All other industrial machinery manufacturing	<1	72	95	204
Optical instrument and lens manufacturing	<1	118	178	427
Photographic and photocopying equipment manufacturing	<1	22	30	84
Other commercial service industry machinery manufacturing	<1	383	660	2,020
Air purification and ventilation equipment manufacturing	<1	308	442	1,105
Heating equipment (except warm air furnaces) manufacturing	<1	307	484	1,353
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	354	681	2,113
Industrial mold manufacturing	<1	73	88	173
Special tool, die, jig, and fixture manufacturing	<1	201	270	498
Cutting tool and machine tool accessory manufacturing	<1	477	554	1,203
Machine tool manufacturing	<1	420	544	1,339
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	12	17	66
Speed changer, industrial high-speed drive, and gear manufacturing	<1	34	53	175
Mechanical power transmission equipment manufacturing	<1	102	169	459
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	5	9	25
Air and gas compressor manufacturing	<1	3,065	6,311	18,696
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	32	38	104
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

Appendix

Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	20	30	76
Packaging machinery manufacturing	<1	7	11	33
Industrial process furnace and oven manufacturing	<1	90	109	223
Fluid power cylinder and actuator manufacturing	<1	200	291	703
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	527	669	1,717
Electronic computer manufacturing	<1	894	1,327	3,995
Computer storage device manufacturing	<1	58	107	530
Computer terminals and other computer peripheral equipment manufacturing	2	313,163	467,956	1,229,934
Telephone apparatus manufacturing	<1	203	251	504
Broadcast and wireless communications equipment manufacturing	<1	60	78	216
Other communications equipment manufacturing	<1	646	823	1,735
Audio and video equipment manufacturing	<1	60	86	327
Printed circuit assembly (electronic assembly) manufacturing	<1	5,533	7,546	32,450
Bare printed circuit board manufacturing	<1	1,340	1,586	4,086
Semiconductor and related device manufacturing	<1	1,603	2,158	6,298
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,605	3,379	10,052
Electronic connector manufacturing	<1	9,829	12,223	24,163
Other electronic component manufacturing	<1	5,393	6,545	18,343
Electromedical and electrotherapeutic apparatus manufacturing	<1	36	53	141
Search, detection, and navigation instruments manufacturing	<1	9,355	12,221	25,862
Automatic environmental control manufacturing	<1	1,036	1,266	2,808

Appendix

Industrial process variable instruments manufacturing	<1	182	247	704
Totalizing fluid meter and counting device manufacturing	<1	15	24	61
Electricity and signal testing instruments manufacturing	<1	1,368	1,862	6,844
Analytical laboratory instrument manufacturing	<1	72,309	101,221	275,583
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	66	94	281
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	26	34	88
Electric lamp bulb and part manufacturing	<1	3,623	10,727	20,165
Lighting fixture manufacturing	<1	871	1,704	3,929
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	7	14	39
Motor and generator manufacturing	<1	276	666	1,174
Switchgear and switchboard apparatus manufacturing	<1	70	168	378
Relay and industrial control manufacturing	<1	264	458	897
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	2,400	3,442	11,718
Other communication and energy wire manufacturing	<1	3,103	6,419	18,190
Wiring device manufacturing	<1	4,673	13,134	25,470
Carbon and graphite product manufacturing	<1	2,217	5,286	11,976
All other miscellaneous electrical equipment and component manufacturing	<1	51	66	163
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	26	43	154
Truck trailer manufacturing	<1	<1	1	7
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	189	232	1,143
Motor vehicle gasoline engine and engine parts manufacturing	<1	125	240	1,028
Motor vehicle electrical and electronic equipment manufacturing	<1	9,171	13,931	59,597
Motor vehicle transmission and power train parts manufacturing	<1	4,080	7,962	28,506
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	619	880	2,999
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	3	3	18
Aircraft engine and engine parts manufacturing	<1	819	1,114	3,577
Other aircraft parts and auxiliary equipment manufacturing	<1	10	11	36
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	56	59	167
Boat building	<1	693	805	3,652
Motorcycle, bicycle, and parts manufacturing	<1	59	82	367
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	305	404	2,068
Wood kitchen cabinet and countertop manufacturing	<1	2,882	2,514	6,978
Upholstered household furniture manufacturing	0	0	0	0

Appendix

Nonupholstered wood household furniture manufacturing	<1	622	595	1,959
Other household nonupholstered furniture manufacturing	<1	74	72	344
Institutional furniture manufacturing	<1	17	18	59
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	248	221	624
Office furniture, except wood, manufacturing	<1	38	34	164
Showcase, partition, shelving, and locker manufacturing	<1	118	103	476
Mattress manufacturing	<1	12	9	68
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	3,663	4,516	11,070
Surgical appliance and supplies manufacturing	<1	2,011	2,574	6,306
Dental equipment and supplies manufacturing	<1	5	6	15
Ophthalmic goods manufacturing	<1	35	44	122
Dental laboratories	<1	256	263	443
Jewelry and silverware manufacturing	<1	553	726	2,123
Sporting and athletic goods manufacturing	<1	271	306	782
Doll, toy, and game manufacturing	<1	529	592	2,276
Office supplies (except paper) manufacturing	<1	2,056	2,357	8,579
Sign manufacturing	<1	3,079	2,613	5,552
Gasket, packing, and sealing device manufacturing	<1	2,845	3,063	7,217
Musical instrument manufacturing	<1	73	75	208
Fasteners, buttons, needles, and pins manufacturing	<1	2,871	3,121	5,946
Broom, brush, and mop manufacturing	<1	3,325	3,276	8,731
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2,024	2,350	5,379
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	23,305	51,052	118,392
Wholesale - Professional and commercial equipment and supplies	1	145,661	222,819	360,848

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	63,479	138,084	260,875
Wholesale - Machinery, equipment, and supplies	<1	48,145	85,180	145,246
Wholesale - Other durable goods merchant wholesalers	1	115,355	188,130	342,202
Wholesale - Drugs and druggists' sundries	<1	39,825	108,565	198,744
Wholesale - Grocery and related product wholesalers	1	80,352	107,124	205,274
Wholesale - Petroleum and petroleum products	<1	15,150	139,944	168,364
Wholesale - Other nondurable goods merchant wholesalers	2	144,154	271,470	503,375
Wholesale - Wholesale electronic markets and agents and brokers	<1	111,472	114,996	128,228
Retail - Motor vehicle and parts dealers	2	115,427	135,121	207,953
Retail - Furniture and home furnishings stores	1	53,638	61,010	103,676
Retail - Electronics and appliance stores	1	79,280	50,353	87,193
Retail - Building material and garden equipment and supplies stores	2	81,404	104,119	167,417
Retail - Food and beverage stores	6	164,823	184,637	344,130
Retail - Health and personal care stores	2	86,245	94,290	149,377
Retail - Gasoline stores	1	51,035	60,703	127,676
Retail - Clothing and clothing accessories stores	2	73,436	82,750	185,901
Retail - Sporting goods, hobby, musical instrument and book stores	1	49,494	54,721	86,896
Retail - General merchandise stores	5	137,616	154,573	287,661
Retail - Miscellaneous store retailers	3	90,747	88,288	146,747
Retail - Nonstore retailers	3	172,514	375,661	630,052
Air transportation	<1	29,008	67,615	133,313
Rail transportation	<1	3,281	1,655	8,505
Water transportation	<1	1,081	9,570	17,236
Truck transportation	2	118,035	133,224	249,060
Transit and ground passenger transportation	3	97,786	124,715	157,309
Pipeline transportation	<1	5,661	18,805	19,518
Scenic and sightseeing transportation and support activities for transportation	2	129,520	139,862	286,987

Appendix

Couriers and messengers	2	77,805	97,528	162,723
Warehousing and storage	1	22,924	92,556	154,843
Newspaper publishers	<1	24,182	40,720	53,179
Periodical publishers	<1	20,200	31,738	47,986
Book publishers	<1	4,494	13,148	20,479
Directory, mailing list, and other publishers	<1	16,924	45,292	64,389
Greeting card publishing	<1	153	407	627
Software publishers	2	428,222	941,873	1,018,602
Motion picture and video industries	<1	41,283	51,883	121,648
Sound recording industries	<1	2,538	7,140	18,419
Radio and television broadcasting	<1	74,905	86,671	250,452
Cable and other subscription programming	<1	2,579	11,371	36,546
Wired telecommunications carriers	1	135,634	286,951	513,546
Wireless telecommunications carriers (except satellite)	<1	8,296	55,733	123,346
Satellite, telecommunications resellers, and all other telecommunications	<1	14,704	19,514	49,368
Data processing, hosting, and related services	8	903,318	1,603,401	3,927,927
News syndicates, libraries, archives and all other information services	<1	5,788	8,151	24,306
Internet publishing and broadcasting and web search portals	<1	54,207	102,538	353,206
Nondepository credit intermediation and related activities	<1	115,729	140,729	219,879
Securities and commodity contracts intermediation and brokerage	4	552,754	518,641	715,623
Monetary authorities and depository credit intermediation	4	313,878	719,153	1,349,001
Other financial investment activities	2	266,779	355,854	604,608
Direct life insurance carriers	<1	64,177	160,366	198,834
Insurance carriers, except direct life	2	229,211	1,086,011	1,672,605
Insurance agencies, brokerages, and related activities	2	185,049	375,566	699,257
Funds, trusts, and other financial vehicles	<1	25,342	33,081	190,107
Other real estate	29	610,732	2,060,925	5,458,403
Tenant-occupied housing	1	31,320	611,242	675,979

Appendix

Owner-occupied dwellings	0	0	2,260,438	2,869,526
Automotive equipment rental and leasing	<1	36,036	117,691	159,127
General and consumer goods rental except video tapes and discs	<1	33,139	44,181	77,841
Video tape and disc rental	<1	9,288	13,611	22,242
Commercial and industrial machinery and equipment rental and leasing	<1	43,040	121,084	156,228
Lessors of nonfinancial intangible assets	<1	6,539	96,326	111,509
Legal services	6	582,699	912,871	1,277,738
Accounting, tax preparation, bookkeeping, and payroll services	3	261,420	394,265	533,228
Architectural, engineering, and related services	4	369,222	427,408	708,839
Specialized design services	<1	21,341	40,782	56,520
Custom computer programming services	1	109,034	115,060	154,817
Computer systems design services	2	271,757	251,737	315,170
Other computer related services, including facilities management	<1	68,257	101,574	194,781
Management consulting services	12	1,312,705	1,385,273	2,038,598
Environmental and other technical consulting services	1	126,507	135,547	193,860
Scientific research and development services	120	11,195,686	14,533,654	27,525,128
Advertising, public relations, and related services	2	130,683	211,612	365,605
Photographic services	<1	6,701	21,164	31,864
Veterinary services	<1	33,714	46,370	67,527
Marketing research and all other miscellaneous professional, scientific, and technical services	2	223,084	505,941	751,631
Management of companies and enterprises	7	819,588	1,009,894	1,653,255
Office administrative services	3	283,110	149,947	277,887
Facilities support services	<1	4,438	6,679	13,560
Employment services	14	775,650	1,147,078	1,535,314
Business support services	3	155,581	135,127	210,750
Travel arrangement and reservation services	<1	42,543	55,613	117,881
Investigation and security services	2	83,825	82,138	108,849
Services to buildings	4	129,920	178,218	319,263
Landscape and horticultural services	3	116,508	141,026	234,100

Appendix

Other support services	<1	33,463	42,834	79,971
Waste management and remediation services	<1	84,884	155,355	245,538
Elementary and secondary schools	2	126,429	109,521	125,181
Junior colleges, colleges, universities, and professional schools	28	1,569,973	2,186,793	2,751,946
Other educational services	2	81,523	95,323	169,488
Offices of physicians	6	750,253	787,419	1,051,600
Offices of dentists	2	149,781	185,579	248,801
Offices of other health practitioners	2	93,630	133,353	176,559
Outpatient care centers	2	141,928	130,318	232,578
Medical and diagnostic laboratories	<1	21,818	30,831	41,748
Home health care services	2	108,857	104,311	129,450
Other ambulatory health care services	<1	29,317	32,747	52,991
Hospitals	11	892,343	1,069,793	2,046,816
Nursing and community care facilities	3	159,750	185,445	299,511
Residential mental retardation, mental health, substance abuse and other facilities	1	59,971	66,005	98,406
Individual and family services	5	145,978	118,855	177,119
Child day care services	2	73,218	96,151	131,222
Community food, housing, and other relief services, including rehabilitation services	1	39,363	38,478	83,900
Performing arts companies	1	39,624	48,937	87,344
Commercial Sports Except Racing	<1	14,825	17,198	24,075
Racing and Track Operation	<1	8,835	12,930	20,694
Independent artists, writers, and performers	2	59,107	109,112	184,894
Promoters of performing arts and sports and agents for public figures	1	35,257	47,815	104,814
Museums, historical sites, zoos, and parks	<1	7,552	9,443	19,114
Amusement parks and arcades	<1	14,080	24,253	29,636
Gambling industries (except casino hotels)	<1	27,189	123,031	156,923
Other amusement and recreation industries	1	74,705	79,582	116,740
Fitness and recreational sports centers	1	44,311	54,747	80,322
Bowling centers	<1	5,345	8,519	11,956

Appendix

Hotels and motels, including casino hotels	<1	17,662	40,935	56,329
Other accommodations	<1	6,823	12,355	15,521
Full-service restaurants	11	337,890	471,130	767,514
Limited-service restaurants	7	174,681	260,589	534,245
All other food and drinking places	6	187,993	295,544	423,029
Automotive repair and maintenance, except car washes	4	265,374	233,285	347,043
Car washes	2	121,829	146,108	224,417
Electronic and precision equipment repair and maintenance	6	570,021	619,116	937,990
Commercial and industrial machinery and equipment repair and maintenance	1	113,701	92,900	130,609
Personal and household goods repair and maintenance	<1	33,055	49,822	70,806
Personal care services	3	100,066	81,159	106,179
Death care services	<1	15,136	7,123	10,593
Dry-cleaning and laundry services	2	71,616	30,653	43,736
Other personal services	1	49,647	59,885	84,283
Religious organizations	2	93,738	31,170	156,219
Grantmaking, giving, and social advocacy organizations	1	49,484	135,401	235,605
Business and professional associations	<1	49,733	77,696	135,188
Labor and civic organizations	2	39,492	97,470	199,899
Private households	1	30,104	30,099	30,099
Postal service	1	115,301	115,360	122,905
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	34,506	67,166	181,340
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	83,243	95,071	259,926
Local government passenger transit	<1	3,154	-611	2,884
Local government electric utilities	<1	864	2,604	4,685
Other local government enterprises	<1	31,928	73,741	126,895
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	521,099	711,993	1,628,847

Moon to Mars Campaign

Table 713: Detailed M2M Campaign Impacts by Types of Impact, New Hampshire

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>21</i>	<i>1,706,992</i>	<i>2,482,245</i>	<i>4,330,606</i>
Oilseed farming	<1	0	<1	5
Grain farming	<1	13	77	181
Vegetable and melon farming	<1	83	266	350
Fruit farming	<1	114	395	394
Tree nut farming	<1	<1	2	2
Greenhouse, nursery, and floriculture production	<1	148	275	367
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	80	145	217
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	1	54	123
Dairy cattle and milk production	<1	20	112	405
Poultry and egg production	<1	36	134	505
Animal production, except cattle and poultry and eggs	<1	59	524	739
Forestry, forest products, and timber tract production	<1	38	32	41
Commercial logging	<1	262	110	257
Commercial fishing	<1	122	102	398
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	771	615	741
Oil and gas extraction	<1	246	364	1,828

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	109	133	465
Sand and gravel mining	<1	141	187	523
Other clay, ceramic, refractory minerals mining	<1	43	50	171
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	3	4	25
Other nonmetallic minerals services	<1	<1	1	6
Electric power generation - Hydroelectric	<1	186	764	1,491
Electric power generation - Fossil fuel	<1	478	2,320	5,105
Electric power generation - Nuclear	<1	1,838	5,006	9,297
Electric power generation - Solar	<1	8	40	74
Electric power generation - Wind	<1	86	953	1,558
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	189	1,186	2,679
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,963	13,152	27,295
Natural gas distribution	<1	1,026	3,659	7,025
Water, sewage and other systems	<1	184	448	754
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,217	3,688	16,317
Maintenance and repair construction of residential structures	<1	2,853	1,814	6,168
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	2	7
Dog and cat food manufacturing	<1	8	30	122
Other animal food manufacturing	<1	54	107	720
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	11	25	198
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	11	37	200
Nonchocolate confectionery manufacturing	<1	1	3	13
Chocolate and confectionery manufacturing from cacao beans	<1	241	412	1,633
Confectionery manufacturing from purchased chocolate	<1	24	38	143
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	26	40	193
Canned fruits and vegetables manufacturing	<1	5	12	50

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	237	435	2,075
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	23	36	119
Frozen cakes and other pastries manufacturing	<1	130	159	326
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	44	59	457
Meat processed from carcasses	<1	139	146	1,127
Rendering and meat byproduct processing	<1	5	6	26
Seafood product preparation and packaging	<1	69	99	462
Bread and bakery product, except frozen, manufacturing	<1	221	281	874
Cookie and cracker manufacturing	<1	29	50	188
Dry pasta, mixes, and dough manufacturing	<1	28	73	329
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	29	41	177
Other snack food manufacturing	<1	35	68	274
Coffee and tea manufacturing	<1	4	9	72
Flavoring syrup and concentrate manufacturing	<1	3	25	52
Mayonnaise, dressing, and sauce manufacturing	<1	2	4	17
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	53	86	341
Bottled and canned soft drinks & water	<1	160	302	1,155
Manufactured ice	<1	20	14	49
Breweries	<1	288	772	1,864
Wineries	<1	79	153	678
Distilleries	<1	12	90	180
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	3	17
Broadwoven fabric mills	<1	137	139	423
Narrow fabric mills and schiffli machine embroidery	<1	7	7	18

Appendix

Nonwoven fabric mills	<1	243	179	1,117
Knit fabric mills	<1	3	3	9
Textile and fabric finishing mills	<1	6	6	32
Fabric coating mills	<1	592	538	2,613
Carpet and rug mills	<1	61	66	359
Curtain and linen mills	<1	2	2	6
Textile bag and canvas mills	<1	23	23	55
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	21	21	62
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	<1	1	2
Mens and boys cut and sew apparel manufacturing	<1	3	4	11
Womens and girls cut and sew apparel manufacturing	<1	11	23	58
Other cut and sew apparel manufacturing	<1	25	44	104
Apparel accessories and other apparel manufacturing	<1	8	14	27
Leather and hide tanning and finishing	<1	1	2	5
Footwear manufacturing	<1	7	9	18
Other leather and allied product manufacturing	<1	5	6	12
Sawmills	<1	178	266	1,013
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	30	45	147
Engineered wood member and truss manufacturing	<1	3	4	12
Reconstituted wood product manufacturing	<1	23	49	171
Wood windows and door manufacturing	<1	105	140	400
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	138	206	489
Wood container and pallet manufacturing	<1	53	69	192
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	43	55	148
All other miscellaneous wood product manufacturing	<1	77	110	353
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	268	375	1,774
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	120	157	778
Paper bag and coated and treated paper manufacturing	<1	76	104	503
Stationery product manufacturing	<1	5	7	35
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	27	34	128
Printing	<1	1,573	3,583	6,708
Support activities for printing	<1	64	126	195
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	62	101	396
Asphalt shingle and coating materials manufacturing	<1	29	102	243
Petroleum lubricating oil and grease manufacturing	<1	202	671	1,596
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	3	4	24
Other basic inorganic chemical manufacturing	<1	2	3	19
Other basic organic chemical manufacturing	<1	6	11	124
Plastics material and resin manufacturing	<1	86	128	1,126
Synthetic rubber manufacturing	<1	<1	<1	1
Artificial and synthetic fibers and filaments manufacturing	<1	1	2	11
Nitrogenous fertilizer manufacturing	<1	4	6	19
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	2
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	71	171	810
In-vitro diagnostic substance manufacturing	<1	55	63	167

Appendix

Biological product (except diagnostic) manufacturing	<1	154	215	547
Paint and coating manufacturing	<1	19	27	119
Adhesive manufacturing	<1	130	169	807
Soap and other detergent manufacturing	<1	13	27	141
Polish and other sanitation good manufacturing	<1	5	6	25
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	28	52	238
Printing ink manufacturing	<1	5	6	31
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	23	37	167
Photographic film and chemical manufacturing	<1	42	67	327
Other miscellaneous chemical product manufacturing	<1	8	11	79
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	422	516	2,141
Unlaminated plastics profile shape manufacturing	<1	6,745	9,386	36,866
Plastics pipe and pipe fitting manufacturing	<1	241	373	1,677
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	91	117	464
Polystyrene foam product manufacturing	<1	6	7	37
Urethane and other foam product (except polystyrene) manufacturing	<1	105	131	604
Plastics bottle manufacturing	<1	29	36	176
Other plastics product manufacturing	<1	1,167	1,370	4,779
Tire manufacturing	<1	135	168	917
Rubber and plastics hoses and belting manufacturing	<1	42	50	185
Other rubber product manufacturing	<1	145	169	647
Pottery, ceramics, and plumbing fixture manufacturing	<1	128	167	416
Brick, tile, and other structural clay product manufacturing	<1	415	611	1,374
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	157	237	534
Glass container manufacturing	0	0	0	0

Appendix

Glass product manufacturing made of purchased glass	<1	90	132	276
Cement manufacturing	<1	161	319	987
Ready-mix concrete manufacturing	<1	154	232	727
Concrete block and brick manufacturing	<1	733	1,119	3,162
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	778	980	2,275
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	303	618	1,604
Abrasive product manufacturing	<1	39	83	151
Cut stone and stone product manufacturing	<1	85	98	188
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	30	64	142
Iron and steel mills and ferroalloy manufacturing	<1	173	267	2,389
Iron, steel pipe and tube manufacturing from purchased steel	<1	19	26	158
Rolled steel shape manufacturing	<1	18	27	206
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	39	48	305
Nonferrous metal (exc aluminum) smelting and refining	<1	18	38	218
Copper rolling, drawing, extruding and alloying	<1	623	817	6,664
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	20	22	168
Ferrous metal foundries	<1	183	211	622
Nonferrous metal foundries	<1	175	207	590
Custom roll forming	<1	177	309	1,327
Crown and closure manufacturing and metal stamping	<1	1,744	2,297	5,875
Iron and steel forging	0	0	0	0

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	12	33	73
Handtool manufacturing	<1	3	6	12
Prefabricated metal buildings and components manufacturing	<1	56	78	233
Fabricated structural metal manufacturing	<1	245	374	1,123
Plate work manufacturing	<1	6	8	20
Metal window and door manufacturing	<1	40	57	132
Sheet metal work manufacturing	<1	4,311	5,914	14,512
Ornamental and architectural metal work manufacturing	<1	64	84	196
Power boiler and heat exchanger manufacturing	<1	19	27	68
Metal tank (heavy gauge) manufacturing	<1	7	9	24
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	20	26	78
Hardware manufacturing	<1	90	146	396
Spring and wire product manufacturing	<1	67	93	263
Machine shops	<1	1,870	2,357	4,481
Turned product and screw, nut, and bolt manufacturing	<1	815	1,231	3,262
Metal heat treating	<1	169	252	609
Metal coating and nonprecious engraving	<1	171	305	765
Electroplating, anodizing, and coloring metal	<1	191	227	486
Valve and fittings, other than plumbing, manufacturing	<1	104	179	530
Plumbing fixture fitting and trim manufacturing	<1	334	1,012	3,487
Ball and roller bearing manufacturing	<1	1,672	2,985	7,046
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	399	762	1,492
Fabricated pipe and pipe fitting manufacturing	<1	21	27	69
Other fabricated metal manufacturing	<1	58	81	209
Farm machinery and equipment manufacturing	<1	<1	<1	4

Appendix

Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	1	5
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	20	24	62
Food product machinery manufacturing	<1	<1	<1	2
Sawmill, woodworking, and paper machinery	<1	8	10	25
Printing machinery and equipment manufacturing	<1	12	14	39
All other industrial machinery manufacturing	<1	21	28	59
Optical instrument and lens manufacturing	<1	9	13	33
Photographic and photocopying equipment manufacturing	<1	9	13	34
Other commercial service industry machinery manufacturing	<1	37	65	192
Air purification and ventilation equipment manufacturing	<1	14	20	51
Heating equipment (except warm air furnaces) manufacturing	<1	11	18	45
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	14	28	83
Industrial mold manufacturing	<1	4	5	9
Special tool, die, jig, and fixture manufacturing	<1	35	49	87
Cutting tool and machine tool accessory manufacturing	<1	66	78	168
Machine tool manufacturing	<1	46	62	152
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	4	11
Mechanical power transmission equipment manufacturing	<1	4	6	17
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	<1	<1	2
Air and gas compressor manufacturing	<1	<1	<1	2
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	5	6	16
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	1	2	5
Packaging machinery manufacturing	<1	<1	1	4
Industrial process furnace and oven manufacturing	<1	18	22	43
Fluid power cylinder and actuator manufacturing	<1	11	16	39
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	104	134	331
Electronic computer manufacturing	<1	157	271	711
Computer storage device manufacturing	<1	14	26	128
Computer terminals and other computer peripheral equipment manufacturing	1	167,782	255,050	657,598
Telephone apparatus manufacturing	<1	14	17	34
Broadcast and wireless communications equipment manufacturing	<1	10	13	35
Other communications equipment manufacturing	<1	25	32	68
Audio and video equipment manufacturing	<1	5	7	25
Printed circuit assembly (electronic assembly) manufacturing	<1	5,051	7,105	29,725
Bare printed circuit board manufacturing	<1	532	630	1,691
Semiconductor and related device manufacturing	<1	2,749	3,740	10,247

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	632	832	2,442
Electronic connector manufacturing	<1	4,594	5,719	11,424
Other electronic component manufacturing	<1	4,425	5,395	14,639
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	3	8
Search, detection, and navigation instruments manufacturing	<1	55	71	149
Automatic environmental control manufacturing	<1	142	173	391
Industrial process variable instruments manufacturing	<1	20	28	78
Totalizing fluid meter and counting device manufacturing	<1	<1	1	3
Electricity and signal testing instruments manufacturing	<1	89	122	443
Analytical laboratory instrument manufacturing	<1	174	243	645
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	7	10	30
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	3	4	9
Electric lamp bulb and part manufacturing	<1	338	1,044	1,872
Lighting fixture manufacturing	<1	67	127	289
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	1	2	6
Motor and generator manufacturing	<1	49	116	206
Switchgear and switchboard apparatus manufacturing	<1	17	41	90

Appendix

Relay and industrial control manufacturing	<1	59	104	197
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	119	171	555
Other communication and energy wire manufacturing	<1	1,711	3,518	9,732
Wiring device manufacturing	<1	1,401	3,989	7,282
Carbon and graphite product manufacturing	<1	36	88	196
All other miscellaneous electrical equipment and component manufacturing	<1	19	25	62
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	1	2	7
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	7	9	43
Motor vehicle gasoline engine and engine parts manufacturing	<1	6	12	52
Motor vehicle electrical and electronic equipment manufacturing	<1	370	553	2,212
Motor vehicle transmission and power train parts manufacturing	<1	317	606	1,937
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	20	28	95
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	<1	233	244	933
Other aircraft parts and auxiliary equipment manufacturing	<1	3	3	9
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	2	2	6
Boat building	<1	28	33	149
Motorcycle, bicycle, and parts manufacturing	<1	3	5	21
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	16	22	109
Wood kitchen cabinet and countertop manufacturing	<1	245	189	547
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	31	29	95
Other household nonupholstered furniture manufacturing	<1	4	4	20
Institutional furniture manufacturing	<1	<1	<1	3
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	10	9	25
Office furniture, except wood, manufacturing	<1	<1	<1	3
Showcase, partition, shelving, and locker manufacturing	<1	14	11	53
Mattress manufacturing	<1	<1	<1	3
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	177	219	513
Surgical appliance and supplies manufacturing	<1	120	156	366
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	2	3	7
Dental laboratories	<1	15	15	25
Jewelry and silverware manufacturing	<1	26	35	100
Sporting and athletic goods manufacturing	<1	14	15	37
Doll, toy, and game manufacturing	<1	24	28	105
Office supplies (except paper) manufacturing	<1	16	19	63
Sign manufacturing	<1	102	88	184
Gasket, packing, and sealing device manufacturing	<1	132	141	327

Appendix

Musical instrument manufacturing	<1	6	7	18
Fasteners, buttons, needles, and pins manufacturing	<1	166	185	352
Broom, brush, and mop manufacturing	<1	196	237	514
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	106	124	276
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,299	2,879	6,656
Wholesale - Professional and commercial equipment and supplies	<1	23,869	36,513	58,382
Wholesale - Household appliances and electrical and electronic goods	<1	16,244	34,893	65,277
Wholesale - Machinery, equipment, and supplies	<1	3,304	5,812	9,888
Wholesale - Other durable goods merchant wholesalers	<1	10,597	17,228	31,167
Wholesale - Drugs and druggists' sundries	<1	2,007	5,475	9,842
Wholesale - Grocery and related product wholesalers	<1	3,589	4,786	9,134
Wholesale - Petroleum and petroleum products	<1	634	7,056	8,321
Wholesale - Other nondurable goods merchant wholesalers	<1	8,584	16,767	30,332
Wholesale - Wholesale electronic markets and agents and brokers	<1	9,372	9,670	10,773
Retail - Motor vehicle and parts dealers	<1	5,591	6,547	10,011
Retail - Furniture and home furnishings stores	<1	2,594	2,951	4,968
Retail - Electronics and appliance stores	<1	3,799	2,449	4,164
Retail - Building material and garden equipment and supplies stores	<1	3,960	5,075	8,118
Retail - Food and beverage stores	<1	8,395	9,350	17,209
Retail - Health and personal care stores	<1	4,095	4,499	7,122
Retail - Gasoline stores	<1	2,545	2,937	6,003
Retail - Clothing and clothing accessories stores	<1	3,651	4,083	8,998
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,357	2,612	4,097
Retail - General merchandise stores	<1	6,397	7,224	13,432

Appendix

Retail - Miscellaneous store retailers	<1	4,431	4,306	7,013
Retail - Nonstore retailers	<1	8,213	18,983	31,406
Air transportation	<1	1,160	2,768	5,392
Rail transportation	<1	172	75	408
Water transportation	<1	42	379	662
Truck transportation	<1	8,039	9,018	16,845
Transit and ground passenger transportation	<1	4,404	5,568	6,818
Pipeline transportation	<1	149	541	574
Scenic and sightseeing transportation and support activities for transportation	<1	4,062	4,404	9,117
Couriers and messengers	<1	3,805	4,897	8,163
Warehousing and storage	<1	1,361	5,507	9,166
Newspaper publishers	<1	966	1,637	2,107
Periodical publishers	<1	992	1,572	2,269
Book publishers	<1	173	511	784
Directory, mailing list, and other publishers	<1	479	1,327	1,873
Greeting card publishing	<1	7	21	31
Software publishers	<1	37,250	82,458	88,903
Motion picture and video industries	<1	2,190	2,745	5,805
Sound recording industries	<1	125	358	877
Radio and television broadcasting	<1	3,472	3,823	9,064
Cable and other subscription programming	<1	168	525	1,427
Wired telecommunications carriers	<1	6,209	12,700	22,477
Wireless telecommunications carriers (except satellite)	<1	356	2,435	5,304
Satellite, telecommunications resellers, and all other telecommunications	<1	690	898	2,203
Data processing, hosting, and related services	<1	12,909	22,626	50,155
News syndicates, libraries, archives and all other information services	<1	273	395	1,120
Internet publishing and broadcasting and web search portals	<1	2,072	3,956	12,650
Nondepository credit intermediation and related activities	<1	6,629	8,080	12,183
Securities and commodity contracts intermediation and brokerage	<1	29,749	27,393	34,578

Appendix

Monetary authorities and depository credit intermediation	<1	12,661	29,152	53,956
Other financial investment activities	<1	16,156	21,025	31,954
Direct life insurance carriers	<1	2,934	7,654	9,246
Insurance carriers, except direct life	<1	11,988	60,062	88,060
Insurance agencies, brokerages, and related activities	<1	16,345	34,137	61,411
Funds, trusts, and other financial vehicles	<1	1,469	1,969	9,664
Other real estate	<1	18,858	61,254	151,988
Tenant-occupied housing	<1	1,596	32,062	34,802
Owner-occupied dwellings	0	0	118,696	150,680
Automotive equipment rental and leasing	<1	2,168	5,975	7,727
General and consumer goods rental except video tapes and discs	<1	1,570	1,986	3,339
Video tape and disc rental	<1	448	649	1,057
Commercial and industrial machinery and equipment rental and leasing	<1	2,199	5,627	7,127
Lessors of nonfinancial intangible assets	<1	188	2,858	3,290
Legal services	<1	15,057	23,971	33,079
Accounting, tax preparation, bookkeeping, and payroll services	<1	10,643	16,493	21,738
Architectural, engineering, and related services	<1	7,454	8,745	14,308
Specialized design services	<1	816	1,611	2,178
Custom computer programming services	<1	3,050	3,196	4,254
Computer systems design services	<1	8,677	8,042	9,965
Other computer related services, including facilities management	<1	2,130	3,141	5,916
Management consulting services	<1	17,055	18,107	26,075
Environmental and other technical consulting services	<1	3,837	4,160	5,887
Scientific research and development services	2	164,337	211,502	390,563
Advertising, public relations, and related services	<1	5,294	8,745	14,489
Photographic services	<1	249	840	1,213
Veterinary services	<1	1,594	2,246	3,201
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,085	7,137	10,481

Appendix

Management of companies and enterprises	<1	37,009	45,871	73,775
Office administrative services	<1	10,725	6,036	10,380
Facilities support services	<1	162	246	477
Employment services	<1	25,399	38,217	49,277
Business support services	<1	4,829	4,261	6,420
Travel arrangement and reservation services	<1	1,443	1,897	4,003
Investigation and security services	<1	3,303	3,254	4,200
Services to buildings	<1	4,717	6,573	11,327
Landscape and horticultural services	<1	4,011	4,896	7,941
Other support services	<1	1,213	1,566	2,873
Waste management and remediation services	<1	3,204	5,856	9,175
Elementary and secondary schools	<1	7,752	6,725	7,593
Junior colleges, colleges, universities, and professional schools	<1	12,763	17,736	21,434
Other educational services	<1	4,043	4,764	8,199
Offices of physicians	<1	36,636	38,633	51,573
Offices of dentists	<1	7,383	9,288	12,325
Offices of other health practitioners	<1	4,501	6,556	8,604
Outpatient care centers	<1	7,117	6,579	11,858
Medical and diagnostic laboratories	<1	1,098	1,586	2,117
Home health care services	<1	5,337	5,138	6,422
Other ambulatory health care services	<1	1,459	1,644	2,639
Hospitals	<1	49,472	58,882	112,083
Nursing and community care facilities	<1	8,019	9,318	14,762
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,360	3,706	5,439
Individual and family services	<1	7,653	6,290	9,276
Child day care services	<1	3,850	5,121	6,876
Community food, housing, and other relief services, including rehabilitation services	<1	2,220	2,178	4,648
Performing arts companies	<1	2,105	2,559	4,294
Commercial Sports Except Racing	<1	637	716	996
Racing and Track Operation	<1	480	704	1,022
Independent artists, writers, and performers	<1	2,732	4,711	7,840

Appendix

Promoters of performing arts and sports and agents for public figures	<1	1,704	2,253	4,702
Museums, historical sites, zoos, and parks	<1	378	472	940
Amusement parks and arcades	<1	777	1,201	1,467
Gambling industries (except casino hotels)	<1	1,411	6,221	7,833
Other amusement and recreation industries	<1	3,519	3,596	5,229
Fitness and recreational sports centers	<1	2,259	2,656	3,861
Bowling centers	<1	261	405	562
Hotels and motels, including casino hotels	<1	777	1,775	2,415
Other accommodations	<1	406	730	906
Full-service restaurants	<1	13,916	19,610	31,418
Limited-service restaurants	<1	8,321	12,506	24,984
All other food and drinking places	<1	7,543	11,866	16,660
Automotive repair and maintenance, except car washes	<1	13,862	11,760	17,481
Car washes	<1	6,096	7,273	11,110
Electronic and precision equipment repair and maintenance	5	494,303	543,681	804,901
Commercial and industrial machinery and equipment repair and maintenance	<1	5,585	4,493	6,218
Personal and household goods repair and maintenance	<1	1,483	2,181	3,097
Personal care services	<1	5,218	4,092	5,367
Death care services	<1	859	351	540
Dry-cleaning and laundry services	<1	6,317	2,307	3,418
Other personal services	<1	2,359	2,816	3,938
Religious organizations	<1	4,996	1,443	7,998
Grantmaking, giving, and social advocacy organizations	<1	2,887	7,392	12,917
Business and professional associations	<1	2,372	3,532	6,072
Labor and civic organizations	<1	2,246	5,217	10,886
Private households	<1	1,625	1,625	1,625
Postal service	<1	4,944	4,947	5,265
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	144	314	623
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	1,843	2,098	5,399
Local government passenger transit	<1	121	-24	92
Local government electric utilities	<1	33	93	167
Other local government enterprises	<1	1,188	2,609	4,490
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	802	1,071	2,450

Investments in Climate Change Research and Technology

Table 714: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Hampshire

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>185</i>	<i>12,783,377</i>	<i>19,102,904</i>	<i>34,197,568</i>
Oilseed farming	<1	-1	3	30
Grain farming	<1	185	872	2,567
Vegetable and melon farming	<1	669	2,117	2,826
Fruit farming	<1	764	2,684	2,680
Tree nut farming	<1	3	10	11
Greenhouse, nursery, and floriculture production	<1	1,397	2,599	3,586
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,033	1,800	2,815
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	25	1,346	3,266

Appendix

Dairy cattle and milk production	<1	141	870	3,423
Poultry and egg production	<1	462	1,512	6,859
Animal production, except cattle and poultry and eggs	<1	1,608	10,992	14,776
Forestry, forest products, and timber tract production	<1	442	368	501
Commercial logging	<1	2,693	1,133	2,836
Commercial fishing	<1	891	1,235	4,621
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	18,762	15,273	18,236
Oil and gas extraction	<1	4,875	5,743	27,656
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	919	1,573	5,174
Sand and gravel mining	<1	1,451	2,267	6,433
Other clay, ceramic, refractory minerals mining	<1	183	247	781
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	9	10	25
Metal mining services	<1	20	27	141
Other nonmetallic minerals services	<1	16	21	100
Electric power generation - Hydroelectric	<1	1,958	7,620	14,959
Electric power generation - Fossil fuel	<1	3,228	17,053	42,152
Electric power generation - Nuclear	<1	16,094	43,558	87,874
Electric power generation - Solar	<1	78	369	703
Electric power generation - Wind	<1	1,385	14,885	26,157
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	1,811	10,203	26,040
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	26,538	120,938	269,268
Natural gas distribution	<1	8,693	29,848	61,547
Water, sewage and other systems	<1	1,994	4,929	8,970
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	76,981	34,486	158,718
Maintenance and repair construction of residential structures	<1	22,360	14,153	49,986
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	29	15	62
Dog and cat food manufacturing	<1	79	281	1,203
Other animal food manufacturing	<1	816	1,511	10,969
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	72	168	1,396
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	69	222	1,256
Nonchocolate confectionery manufacturing	<1	9	16	89
Chocolate and confectionery manufacturing from cacao beans	<1	1,043	1,764	7,331
Confectionery manufacturing from purchased chocolate	<1	210	323	1,318
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	206	322	1,602
Canned fruits and vegetables manufacturing	<1	27	65	285
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,875	3,373	16,756
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	200	301	1,122
Frozen cakes and other pastries manufacturing	<1	1,049	1,293	2,723
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	536	718	5,666
Meat processed from carcasses	<1	1,169	1,206	9,627
Rendering and meat byproduct processing	<1	38	49	216
Seafood product preparation and packaging	<1	810	1,120	5,842
Bread and bakery product, except frozen, manufacturing	<1	1,832	2,332	7,398
Cookie and cracker manufacturing	<1	191	308	1,346
Dry pasta, mixes, and dough manufacturing	<1	209	561	2,387
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	205	270	1,300
Other snack food manufacturing	<1	300	587	2,392
Coffee and tea manufacturing	<1	34	76	645
Flavoring syrup and concentrate manufacturing	<1	24	251	511
Mayonnaise, dressing, and sauce manufacturing	<1	15	34	133
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	331	544	2,284

Appendix

Bottled and canned soft drinks & water	<1	1,505	2,771	11,049
Manufactured ice	<1	170	114	456
Breweries	<1	2,531	6,385	15,896
Wineries	<1	409	792	3,754
Distilleries	<1	114	750	1,631
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	21	22	175
Broadwoven fabric mills	<1	1,524	1,300	4,491
Narrow fabric mills and schiffli machine embroidery	<1	45	45	128
Nonwoven fabric mills	<1	1,573	1,105	7,742
Knit fabric mills	<1	11	10	32
Textile and fabric finishing mills	<1	27	27	153
Fabric coating mills	<1	2,548	2,444	12,935
Carpet and rug mills	<1	466	412	2,918
Curtain and linen mills	<1	12	12	40
Textile bag and canvas mills	<1	206	202	515
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	151	151	485
Hosiery and sock mills	<1	6	7	20
Other apparel knitting mills	<1	6	8	21
Cut and sew apparel contractors	<1	9	10	23
Mens and boys cut and sew apparel manufacturing	<1	14	20	65
Womens and girls cut and sew apparel manufacturing	<1	48	97	264
Other cut and sew apparel manufacturing	<1	136	242	627
Apparel accessories and other apparel manufacturing	<1	46	78	174
Leather and hide tanning and finishing	<1	9	17	45
Footwear manufacturing	<1	76	88	223
Other leather and allied product manufacturing	<1	31	35	72
Sawmills	<1	2,245	3,273	12,392
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	<1	408	600	1,906
Engineered wood member and truss manufacturing	<1	27	37	112
Reconstituted wood product manufacturing	<1	272	567	1,936
Wood windows and door manufacturing	<1	1,752	2,329	6,810

Appendix

Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	1,720	2,539	6,393
Wood container and pallet manufacturing	<1	409	535	1,530
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	443	580	1,486
All other miscellaneous wood product manufacturing	<1	564	791	2,827
Pulp mills	0	0	0	0
Paper mills	<1	3,455	5,796	23,946
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	677	908	4,573
Paper bag and coated and treated paper manufacturing	<1	614	912	4,492
Stationery product manufacturing	<1	51	71	370
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	313	406	1,441
Printing	<1	12,272	26,467	55,467
Support activities for printing	<1	443	871	1,393
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	638	1,024	4,254
Asphalt shingle and coating materials manufacturing	<1	334	1,123	2,704
Petroleum lubricating oil and grease manufacturing	<1	1,611	5,304	13,300
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	24	33	178
Other basic inorganic chemical manufacturing	<1	33	48	270
Other basic organic chemical manufacturing	<1	119	198	2,020
Plastics material and resin manufacturing	<1	798	1,126	9,003
Synthetic rubber manufacturing	<1	2	2	16
Artificial and synthetic fibers and filaments manufacturing	<1	5	7	49

Appendix

Nitrogenous fertilizer manufacturing	<1	38	55	194
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	6	8	29
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	377	846	4,382
In-vitro diagnostic substance manufacturing	<1	176	197	523
Biological product (except diagnostic) manufacturing	<1	714	930	2,591
Paint and coating manufacturing	<1	98	126	576
Adhesive manufacturing	<1	419	506	2,709
Soap and other detergent manufacturing	<1	95	179	1,225
Polish and other sanitation good manufacturing	<1	37	46	211
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	177	303	1,459
Printing ink manufacturing	<1	35	40	198
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	82	106	568
Photographic film and chemical manufacturing	<1	821	1,240	6,347
Other miscellaneous chemical product manufacturing	<1	94	131	891
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	446	560	2,360
Unlaminated plastics profile shape manufacturing	<1	3,136	4,428	18,183
Plastics pipe and pipe fitting manufacturing	<1	126	198	862
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	688	908	3,504
Polystyrene foam product manufacturing	<1	63	82	414
Urethane and other foam product (except polystyrene) manufacturing	<1	834	1,045	4,937
Plastics bottle manufacturing	<1	100	127	654
Other plastics product manufacturing	<1	5,913	6,940	25,735

Appendix

Tire manufacturing	<1	1,704	2,107	11,449
Rubber and plastics hoses and belting manufacturing	<1	609	739	2,750
Other rubber product manufacturing	<1	2,704	3,204	11,690
Pottery, ceramics, and plumbing fixture manufacturing	<1	90	124	296
Brick, tile, and other structural clay product manufacturing	<1	444	691	1,455
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	2,835	4,500	9,925
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	1,319	2,019	4,104
Cement manufacturing	<1	511	1,093	3,248
Ready-mix concrete manufacturing	<1	1,764	2,755	8,480
Concrete block and brick manufacturing	<1	834	1,387	3,685
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	1,595	2,123	4,694
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	770	1,768	4,268
Abrasive product manufacturing	<1	296	708	1,246
Cut stone and stone product manufacturing	<1	1,048	1,207	2,321
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	280	684	1,525
Iron and steel mills and ferroalloy manufacturing	<1	568	1,023	7,708
Iron, steel pipe and tube manufacturing from purchased steel	<1	53	82	474
Rolled steel shape manufacturing	<1	87	150	913
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	39	55	325

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	203	520	2,547
Copper rolling, drawing, extruding and alloying	<1	894	1,242	10,767
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	27	43	261
Ferrous metal foundries	<1	843	1,130	2,974
Nonferrous metal foundries	<1	683	875	2,434
Custom roll forming	<1	99	184	767
Crown and closure manufacturing and metal stamping	<1	927	1,233	3,290
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	63	166	386
Handtool manufacturing	<1	13	22	47
Prefabricated metal buildings and components manufacturing	<1	251	389	1,092
Fabricated structural metal manufacturing	<1	1,189	1,894	5,700
Plate work manufacturing	<1	46	54	145
Metal window and door manufacturing	<1	318	454	1,085
Sheet metal work manufacturing	<1	2,630	3,679	9,326
Ornamental and architectural metal work manufacturing	<1	542	735	1,765
Power boiler and heat exchanger manufacturing	<1	47	68	163
Metal tank (heavy gauge) manufacturing	<1	9	12	31
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	19	25	81
Hardware manufacturing	<1	154	258	715
Spring and wire product manufacturing	<1	263	382	1,066
Machine shops	<1	4,648	5,914	11,571
Turned product and screw, nut, and bolt manufacturing	<1	807	1,255	3,424
Metal heat treating	<1	216	330	791
Metal coating and nonprecious engraving	<1	222	409	1,006
Electroplating, anodizing, and coloring metal	<1	297	355	766
Valve and fittings, other than plumbing, manufacturing	<1	758	1,290	3,910

Appendix

Plumbing fixture fitting and trim manufacturing	<1	225	690	2,449
Ball and roller bearing manufacturing	<1	1,260	2,376	5,774
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	1,892	3,655	7,864
Fabricated pipe and pipe fitting manufacturing	<1	265	353	889
Other fabricated metal manufacturing	<1	172	242	642
Farm machinery and equipment manufacturing	<1	8	16	71
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	14	33	130
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	158	188	512
Food product machinery manufacturing	<1	4	5	14
Sawmill, woodworking, and paper machinery	<1	130	150	404
Printing machinery and equipment manufacturing	<1	51	59	177
All other industrial machinery manufacturing	<1	55	71	155
Optical instrument and lens manufacturing	<1	190	272	752
Photographic and photocopying equipment manufacturing	<1	4	6	16
Other commercial service industry machinery manufacturing	<1	179	292	897
Air purification and ventilation equipment manufacturing	<1	132	180	465
Heating equipment (except warm air furnaces) manufacturing	<1	103	159	464
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	121	224	735
Industrial mold manufacturing	<1	26	31	63
Special tool, die, jig, and fixture manufacturing	<1	52	69	130

Appendix

Cutting tool and machine tool accessory manufacturing	<1	145	167	367
Machine tool manufacturing	<1	118	151	380
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	4	5	22
Speed changer, industrial high-speed drive, and gear manufacturing	<1	15	23	82
Mechanical power transmission equipment manufacturing	<1	56	91	257
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	3	10
Air and gas compressor manufacturing	<1	4	7	20
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	10	11	32
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	7	11	29
Packaging machinery manufacturing	<1	2	4	11
Industrial process furnace and oven manufacturing	<1	21	25	53
Fluid power cylinder and actuator manufacturing	<1	57	82	195
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	152	190	509
Electronic computer manufacturing	<1	387	552	1,620
Computer storage device manufacturing	<1	10	19	93
Computer terminals and other computer peripheral equipment manufacturing	<1	34,011	48,684	140,346
Telephone apparatus manufacturing	<1	157	212	384

Appendix

Broadcast and wireless communications equipment manufacturing	<1	11	15	42
Other communications equipment manufacturing	<1	134	182	354
Audio and video equipment manufacturing	<1	17	25	96
Printed circuit assembly (electronic assembly) manufacturing	<1	696	1,023	4,289
Bare printed circuit board manufacturing	<1	246	297	713
Semiconductor and related device manufacturing	<1	141	208	638
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	151	199	608
Electronic connector manufacturing	<1	1,662	2,128	4,266
Other electronic component manufacturing	<1	543	683	1,855
Electromedical and electrotherapeutic apparatus manufacturing	<1	11	16	44
Search, detection, and navigation instruments manufacturing	<1	6,683	7,827	17,321
Automatic environmental control manufacturing	<1	242	300	692
Industrial process variable instruments manufacturing	<1	55	76	217
Totalizing fluid meter and counting device manufacturing	<1	9	15	36
Electricity and signal testing instruments manufacturing	<1	633	872	3,126
Analytical laboratory instrument manufacturing	<1	46,144	66,287	171,534
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	15	22	67
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	8	10	29
Electric lamp bulb and part manufacturing	<1	1,308	3,603	7,296
Lighting fixture manufacturing	<1	220	425	1,002
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	5	14
Motor and generator manufacturing	<1	119	272	496
Switchgear and switchboard apparatus manufacturing	<1	18	42	101
Relay and industrial control manufacturing	<1	84	145	286
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	696	991	3,705
Other communication and energy wire manufacturing	<1	667	1,346	3,938
Wiring device manufacturing	<1	924	2,526	5,157
Carbon and graphite product manufacturing	<1	719	1,641	3,716
All other miscellaneous electrical equipment and component manufacturing	<1	10	14	34
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	12	21	72
Truck trailer manufacturing	<1	<1	<1	4
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	90	114	549
Motor vehicle gasoline engine and engine parts manufacturing	<1	45	93	382
Motor vehicle electrical and electronic equipment manufacturing	<1	4,185	7,063	31,272
Motor vehicle transmission and power train parts manufacturing	<1	1,274	2,580	9,874
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	312	469	1,642
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	<1	1	2	9
Aircraft engine and engine parts manufacturing	<1	96	111	449
Other aircraft parts and auxiliary equipment manufacturing	<1	2	3	8
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	25	27	77
Boat building	<1	342	392	1,841
Motorcycle, bicycle, and parts manufacturing	<1	17	24	110
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	121	153	821
Wood kitchen cabinet and countertop manufacturing	<1	820	748	2,083
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	230	221	736
Other household nonupholstered furniture manufacturing	<1	27	27	133
Institutional furniture manufacturing	<1	11	11	37
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	71	64	186
Office furniture, except wood, manufacturing	<1	14	12	60
Showcase, partition, shelving, and locker manufacturing	<1	35	32	150
Mattress manufacturing	<1	5	4	28
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	1,205	1,442	3,723
Surgical appliance and supplies manufacturing	<1	690	857	2,191
Dental equipment and supplies manufacturing	<1	2	2	5

Appendix

Ophthalmic goods manufacturing	<1	14	17	48
Dental laboratories	<1	89	91	154
Jewelry and silverware manufacturing	<1	225	290	860
Sporting and athletic goods manufacturing	<1	95	105	282
Doll, toy, and game manufacturing	<1	166	180	716
Office supplies (except paper) manufacturing	<1	131	148	574
Sign manufacturing	<1	1,330	1,089	2,375
Gasket, packing, and sealing device manufacturing	<1	1,227	1,292	3,130
Musical instrument manufacturing	<1	21	21	60
Fasteners, buttons, needles, and pins manufacturing	<1	960	1,028	2,001
Broom, brush, and mop manufacturing	<1	1,160	1,058	3,074
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	876	999	2,386
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	9,236	20,639	47,504
Wholesale - Professional and commercial equipment and supplies	<1	47,465	72,916	119,068
Wholesale - Household appliances and electrical and electronic goods	<1	17,250	38,843	73,613
Wholesale - Machinery, equipment, and supplies	<1	19,109	34,447	58,480
Wholesale - Other durable goods merchant wholesalers	<1	38,255	62,974	114,866
Wholesale - Drugs and druggists' sundries	<1	15,535	43,714	80,073
Wholesale - Grocery and related product wholesalers	<1	31,556	42,515	81,851
Wholesale - Petroleum and petroleum products	<1	7,613	57,846	70,515
Wholesale - Other nondurable goods merchant wholesalers	<1	54,549	101,494	190,564
Wholesale - Wholesale electronic markets and agents and brokers	<1	43,108	44,499	49,747
Retail - Motor vehicle and parts dealers	<1	47,820	55,934	86,428
Retail - Furniture and home furnishings stores	<1	21,405	24,341	41,856
Retail - Electronics and appliance stores	<1	32,201	20,283	35,536

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Retail - Building material and garden equipment and supplies stores	<1	32,459	41,712	67,357
Retail - Food and beverage stores	2	63,655	71,835	135,657
Retail - Health and personal care stores	<1	35,053	38,333	61,063
Retail - Gasoline stores	<1	20,099	24,748	53,750
Retail - Clothing and clothing accessories stores	<1	29,082	33,149	76,255
Retail - Sporting goods, hobby, musical instrument and book stores	<1	19,590	21,742	35,114
Retail - General merchandise stores	2	57,886	64,813	121,179
Retail - Miscellaneous store retailers	1	34,866	34,253	58,461
Retail - Nonstore retailers	1	65,191	142,071	243,677
Air transportation	<1	10,501	23,561	47,471
Rail transportation	<1	1,549	808	4,064
Water transportation	<1	449	3,973	7,293
Truck transportation	<1	42,890	49,246	94,390
Transit and ground passenger transportation	1	28,353	35,192	46,782
Pipeline transportation	<1	3,187	8,527	9,009
Scenic and sightseeing transportation and support activities for transportation	<1	58,378	63,066	129,155
Couriers and messengers	<1	24,803	31,615	53,477
Warehousing and storage	<1	8,756	35,416	60,076
Newspaper publishers	<1	9,696	16,127	21,221
Periodical publishers	<1	7,011	10,901	16,969
Book publishers	<1	1,768	5,158	8,135
Directory, mailing list, and other publishers	<1	7,515	19,426	27,670
Greeting card publishing	<1	45	116	181
Software publishers	<1	140,087	305,162	333,705
Motion picture and video industries	<1	13,392	16,356	42,755
Sound recording industries	<1	885	2,316	6,334
Radio and television broadcasting	<1	20,173	24,160	82,045
Cable and other subscription programming	<1	552	2,683	9,335
Wired telecommunications carriers	<1	49,763	105,495	191,903
Wireless telecommunications carriers (except satellite)	<1	3,042	19,805	45,090

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Satellite, telecommunications resellers, and all other telecommunications	<1	4,539	6,246	16,743
Data processing, hosting, and related services	<1	36,844	65,119	181,299
News syndicates, libraries, archives and all other information services	<1	2,139	2,974	9,292
Internet publishing and broadcasting and web search portals	<1	16,127	31,000	137,524
Nondepository credit intermediation and related activities	<1	44,372	52,940	85,652
Securities and commodity contracts intermediation and brokerage	2	207,477	198,639	299,941
Monetary authorities and depository credit intermediation	2	136,859	291,314	570,446
Other financial investment activities	<1	88,644	120,028	223,175
Direct life insurance carriers	<1	26,646	65,725	84,538
Insurance carriers, except direct life	<1	93,026	427,994	687,000
Insurance agencies, brokerages, and related activities	<1	72,932	148,870	279,962
Funds, trusts, and other financial vehicles	<1	10,152	13,137	77,330
Other real estate	12	242,099	814,384	2,256,295
Tenant-occupied housing	<1	12,134	223,410	251,347
Owner-occupied dwellings	0	0	848,968	1,077,728
Automotive equipment rental and leasing	<1	11,876	43,756	60,535
General and consumer goods rental except video tapes and discs	<1	12,079	16,883	30,570
Video tape and disc rental	<1	3,657	5,441	8,917
Commercial and industrial machinery and equipment rental and leasing	<1	14,465	45,783	60,053
Lessors of nonfinancial intangible assets	<1	2,025	27,693	32,016
Legal services	3	260,536	403,352	570,061
Accounting, tax preparation, bookkeeping, and payroll services	1	101,581	149,624	206,232
Architectural, engineering, and related services	2	168,431	191,457	322,486
Specialized design services	<1	7,642	13,943	20,266
Custom computer programming services	<1	36,762	39,026	53,934

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Computer systems design services	<1	84,036	77,298	98,077
Other computer related services, including facilities management	<1	18,770	27,811	54,616
Management consulting services	6	617,745	651,820	974,304
Environmental and other technical consulting services	<1	47,094	50,477	73,019
Scientific research and development services	57	5,083,347	6,779,951	12,907,212
Advertising, public relations, and related services	<1	47,726	75,874	135,686
Photographic services	<1	2,732	8,155	12,915
Veterinary services	<1	13,231	17,814	26,418
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	66,287	146,486	230,939
Management of companies and enterprises	3	331,116	408,169	683,109
Office administrative services	1	94,286	50,125	95,652
Facilities support services	<1	1,665	2,534	5,345
Employment services	6	301,060	443,217	611,790
Business support services	1	63,196	54,586	88,359
Travel arrangement and reservation services	<1	17,329	22,744	49,104
Investigation and security services	<1	31,515	30,802	41,896
Services to buildings	2	52,844	72,441	133,560
Landscape and horticultural services	<1	43,961	53,265	90,059
Other support services	<1	12,228	15,691	30,293
Waste management and remediation services	<1	34,599	63,274	101,114
Elementary and secondary schools	<1	45,372	39,708	45,712
Junior colleges, colleges, universities, and professional schools	9	533,379	744,213	934,329
Other educational services	<1	28,148	32,889	59,069
Offices of physicians	2	302,945	316,878	425,103
Offices of dentists	<1	58,946	72,201	97,417
Offices of other health practitioners	<1	37,868	52,983	70,396
Outpatient care centers	<1	53,095	48,534	87,118
Medical and diagnostic laboratories	<1	8,612	11,968	16,488
Home health care services	<1	44,726	42,712	53,578
Other ambulatory health care services	<1	11,562	12,831	20,902

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Hospitals	4	327,966	394,041	762,180
Nursing and community care facilities	1	60,585	70,276	115,793
Residential mental retardation, mental health, substance abuse and other facilities	<1	21,310	23,436	35,404
Individual and family services	2	50,920	40,840	61,752
Child day care services	<1	27,769	35,307	49,420
Community food, housing, and other relief services, including rehabilitation services	<1	13,629	13,279	29,564
Performing arts companies	<1	13,332	16,831	31,420
Commercial Sports Except Racing	<1	4,988	6,022	8,540
Racing and Track Operation	<1	3,238	4,954	8,370
Independent artists, writers, and performers	<1	19,070	38,513	65,944
Promoters of performing arts and sports and agents for public figures	<1	11,697	16,465	37,483
Museums, historical sites, zoos, and parks	<1	2,713	3,415	7,054
Amusement parks and arcades	<1	5,056	9,286	11,523
Gambling industries (except casino hotels)	<1	9,851	43,594	57,193
Other amusement and recreation industries	<1	27,220	29,101	44,246
Fitness and recreational sports centers	<1	15,273	19,044	28,871
Bowling centers	<1	2,000	3,225	4,651
Hotels and motels, including casino hotels	<1	5,469	12,925	18,010
Other accommodations	<1	2,253	4,107	5,214
Full-service restaurants	4	124,905	172,054	287,004
Limited-service restaurants	3	68,279	100,688	213,127
All other food and drinking places	2	72,697	114,165	166,018
Automotive repair and maintenance, except car washes	1	98,022	89,545	133,436
Car washes	<1	46,074	55,524	85,844
Electronic and precision equipment repair and maintenance	<1	34,714	37,326	57,918
Commercial and industrial machinery and equipment repair and maintenance	<1	40,276	33,085	47,565
Personal and household goods repair and maintenance	<1	12,433	19,395	27,800
Personal care services	1	37,114	30,954	40,594
Death care services	<1	5,567	2,950	4,284

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Dry-cleaning and laundry services	<1	25,821	12,509	17,412
Other personal services	<1	19,158	23,328	33,190
Religious organizations	<1	33,700	12,772	59,161
Grantmaking, giving, and social advocacy organizations	<1	16,316	46,843	81,234
Business and professional associations	<1	18,769	30,248	52,909
Labor and civic organizations	<1	13,732	35,429	71,785
Private households	<1	11,403	11,403	11,403
Postal service	<1	38,703	38,727	41,297
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	42,470	77,116	174,396
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	52,444	63,643	179,569
Local government passenger transit	<1	1,143	-173	1,432
Local government electric utilities	<1	320	1,067	1,935
Other local government enterprises	<1	12,548	31,149	53,453
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	37,733	50,355	115,198

New Jersey

NASA

Table 715: Detailed NASA Impacts by Types of Impact, New Jersey

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	486	43,495,976	66,882,301	108,908,135
Oilseed farming	<1	-153	5,818	9,225
Grain farming	<1	356	2,121	6,860
Vegetable and melon farming	<1	2,505	7,778	14,291
Fruit farming	<1	2,173	7,586	10,360
Tree nut farming	<1	3	9	12
Greenhouse, nursery, and floriculture production	<1	5,347	9,667	17,629
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	575	1,019	2,048
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	5	252	925
Dairy cattle and milk production	<1	24	134	754
Poultry and egg production	<1	153	432	2,921
Animal production, except cattle and poultry and eggs	<1	788	8,634	12,487
Forestry, forest products, and timber tract production	<1	2,665	2,718	3,044
Commercial logging	<1	1,338	1,378	1,681
Commercial fishing	<1	9,410	5,525	7,656
Commercial hunting and trapping	<1	349	273	321
Support activities for agriculture and forestry	<1	21,208	17,155	21,982
Oil and gas extraction	<1	32,218	1,316	48,456
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	2,009	1,473	2,680
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	7,767	5,139	11,280
Sand and gravel mining	<1	3,925	3,642	5,752

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	58	56	92
Other nonmetallic minerals	<1	154	122	233
Drilling oil and gas wells	<1	2	<1	3
Support activities for oil and gas operations	<1	25	14	34
Metal mining services	<1	271	15	547
Other nonmetallic minerals services	<1	15	5	39
Electric power generation - Hydroelectric	<1	587	2,007	3,348
Electric power generation - Fossil fuel	<1	12,018	52,802	109,123
Electric power generation - Nuclear	<1	30,400	78,542	145,588
Electric power generation - Solar	<1	1,175	5,264	9,529
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1,099	963	2,223
Electric power transmission and distribution	<1	73,749	277,672	563,066
Natural gas distribution	<1	63,061	200,228	373,589
Water, sewage and other systems	<1	24,282	49,777	72,841
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	38,858	43,457	79,321
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	115,787	164,839	332,299
Maintenance and repair construction of residential structures	<1	47,787	67,002	134,634
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	74	106	213
Dog and cat food manufacturing	<1	2,193	5,037	23,672
Other animal food manufacturing	<1	3,230	6,739	34,853
Flour milling	<1	305	464	2,138
Rice milling	0	0	0	0
Malt manufacturing	<1	99	142	684
Wet corn milling	<1	5,824	11,925	48,230
Soybean and other oilseed processing	<1	147	532	4,075
Fats and oils refining and blending	<1	3,329	5,450	52,808
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1,860	2,505	9,539
Chocolate and confectionery manufacturing from cacao beans	<1	152	210	1,538
Confectionery manufacturing from purchased chocolate	<1	2,945	3,592	12,716
Frozen fruits, juices and vegetables manufacturing	<1	2,227	3,543	20,464
Frozen specialties manufacturing	<1	6,027	7,462	28,882
Canned fruits and vegetables manufacturing	<1	3,960	6,424	25,232
Canned specialties	<1	306	582	3,485
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	4,546	5,979	64,290
Dry, condensed, and evaporated dairy product manufacturing	<1	420	768	5,281
Fluid milk manufacturing	<1	2,996	4,054	24,160
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	780	983	5,337
Frozen cakes and other pastries manufacturing	<1	7,171	9,656	17,257

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Poultry processing	<1	1,265	1,475	6,391
Animal, except poultry, slaughtering	<1	3,408	4,192	25,108
Meat processed from carcasses	<1	15,099	14,612	96,157
Rendering and meat byproduct processing	<1	1,001	1,144	4,595
Seafood product preparation and packaging	<1	2,812	3,243	15,652
Bread and bakery product, except frozen, manufacturing	<1	23,265	29,845	74,092
Cookie and cracker manufacturing	<1	8,074	10,159	30,646
Dry pasta, mixes, and dough manufacturing	<1	3,511	6,070	24,825
Tortilla manufacturing	<1	207	242	1,054
Roasted nuts and peanut butter manufacturing	<1	2,819	5,342	21,264
Other snack food manufacturing	<1	5,055	8,959	35,439
Coffee and tea manufacturing	<1	2,697	4,044	19,208
Flavoring syrup and concentrate manufacturing	<1	1,249	6,183	17,909
Mayonnaise, dressing, and sauce manufacturing	<1	308	483	1,922
Spice and extract manufacturing	<1	10,220	14,200	53,123
All other food manufacturing	<1	9,109	11,866	58,253
Bottled and canned soft drinks & water	<1	5,036	7,269	35,490
Manufactured ice	<1	478	181	1,010
Breweries	<1	4,160	8,018	21,963
Wineries	<1	1,352	2,152	11,668
Distilleries	<1	1,816	8,718	18,808
Tobacco product manufacturing	<1	765	14,531	23,496
Fiber, yarn, and thread mills	<1	675	919	2,753
Broadwoven fabric mills	<1	832	1,176	3,923
Narrow fabric mills and schiffli machine embroidery	<1	112	122	332
Nonwoven fabric mills	<1	75	108	343
Knit fabric mills	<1	233	275	733
Textile and fabric finishing mills	<1	550	667	2,378
Fabric coating mills	<1	1,332	1,607	6,424
Carpet and rug mills	<1	502	704	1,446
Curtain and linen mills	<1	2,117	2,527	5,732
Textile bag and canvas mills	<1	903	1,050	3,193
Rope, cordage, twine, tire cord and tire fabric mills	<1	428	569	1,486
Other textile product mills	<1	2,408	2,805	7,576
Hosiery and sock mills	<1	141	224	470

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Other apparel knitting mills	<1	315	387	945
Cut and sew apparel contractors	<1	1,469	1,542	3,322
Mens and boys cut and sew apparel manufacturing	<1	2,233	2,336	6,271
Womens and girls cut and sew apparel manufacturing	<1	448	502	1,758
Other cut and sew apparel manufacturing	<1	697	769	2,376
Apparel accessories and other apparel manufacturing	<1	1,482	1,533	4,628
Leather and hide tanning and finishing	<1	67	68	466
Footwear manufacturing	<1	653	680	1,896
Other leather and allied product manufacturing	<1	91	92	210
Sawmills	<1	308	411	1,597
Wood preservation	<1	203	408	1,935
Veneer and plywood manufacturing	<1	255	346	1,341
Engineered wood member and truss manufacturing	<1	251	324	1,088
Reconstituted wood product manufacturing	<1	68	124	528
Wood windows and door manufacturing	<1	4,606	5,648	17,027
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	1,072	1,422	4,306
Wood container and pallet manufacturing	<1	2,119	2,539	7,516
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	96	117	377
All other miscellaneous wood product manufacturing	<1	440	554	1,790
Pulp mills	0	0	0	0
Paper mills	<1	4,788	6,314	32,828
Paperboard mills	<1	259	375	1,927
Paperboard container manufacturing	<1	14,911	18,205	82,644
Paper bag and coated and treated paper manufacturing	<1	23,103	29,302	120,040
Stationery product manufacturing	<1	2,092	2,604	11,280
Sanitary paper product manufacturing	<1	24,126	34,790	94,268
All other converted paper product manufacturing	<1	1,039	1,264	4,819

Appendix

Printing	10	730,471	1,099,722	1,978,521
Support activities for printing	<1	14,412	20,366	29,715
Petroleum refineries	<1	39,131	365,640	1,118,627
Asphalt paving mixture and block manufacturing	<1	1,630	2,911	9,033
Asphalt shingle and coating materials manufacturing	<1	413	1,956	3,870
Petroleum lubricating oil and grease manufacturing	<1	159,658	624,287	928,652
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	3,538	9,640	46,436
Industrial gas manufacturing	<1	8,395	10,501	25,938
Synthetic dye and pigment manufacturing	<1	1,665	2,021	6,056
Other basic inorganic chemical manufacturing	<1	9,416	11,000	29,291
Other basic organic chemical manufacturing	<1	41,011	54,436	307,539
Plastics material and resin manufacturing	<1	9,383	10,633	46,625
Synthetic rubber manufacturing	<1	51	57	223
Artificial and synthetic fibers and filaments manufacturing	<1	1	1	5
Nitrogenous fertilizer manufacturing	<1	233	318	1,090
Phosphatic fertilizer manufacturing	<1	417	500	1,391
Fertilizer mixing	<1	416	490	1,140
Pesticide and other agricultural chemical manufacturing	<1	4,838	7,696	38,449
Medicinal and botanical manufacturing	<1	25,560	27,481	66,732
Pharmaceutical preparation manufacturing	<1	177,441	272,826	702,717
In-vitro diagnostic substance manufacturing	<1	7,734	8,102	15,557
Biological product (except diagnostic) manufacturing	<1	1,475	1,848	4,064
Paint and coating manufacturing	<1	9,704	11,184	34,578
Adhesive manufacturing	<1	6,358	7,274	24,520
Soap and other detergent manufacturing	<1	17,971	25,236	92,241
Polish and other sanitation good manufacturing	<1	13,901	15,192	30,393
Surface active agent manufacturing	<1	5,114	7,790	22,215
Toilet preparation manufacturing	<1	32,717	49,926	140,428
Printing ink manufacturing	<1	7,537	7,835	18,985

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Explosives manufacturing	<1	54	56	129
Custom compounding of purchased resins	<1	27,324	34,304	104,366
Photographic film and chemical manufacturing	<1	8,917	11,578	33,318
Other miscellaneous chemical product manufacturing	<1	5,720	6,586	23,524
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	8,589	11,412	48,059
Unlaminated plastics profile shape manufacturing	<1	5,685	8,782	28,026
Plastics pipe and pipe fitting manufacturing	<1	473	839	2,998
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,002	1,386	3,834
Polystyrene foam product manufacturing	<1	426	583	2,362
Urethane and other foam product (except polystyrene) manufacturing	<1	1,575	2,028	6,394
Plastics bottle manufacturing	<1	1,833	2,435	11,618
Other plastics product manufacturing	<1	30,831	37,671	114,114
Tire manufacturing	<1	1,150	1,469	6,823
Rubber and plastics hoses and belting manufacturing	<1	877	1,099	3,685
Other rubber product manufacturing	<1	5,369	6,535	21,081
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,040	2,767	4,645
Brick, tile, and other structural clay product manufacturing	<1	746	1,209	3,041
Flat glass manufacturing	<1	362	685	1,792
Other pressed and blown glass and glassware manufacturing	<1	4,618	7,484	18,507
Glass container manufacturing	<1	1,885	2,889	7,605
Glass product manufacturing made of purchased glass	<1	4,867	7,717	17,253
Cement manufacturing	<1	543	1,180	3,458
Ready-mix concrete manufacturing	<1	4,112	6,510	18,380
Concrete block and brick manufacturing	<1	1,801	2,987	6,499
Concrete pipe manufacturing	<1	99	154	338
Other concrete product manufacturing	<1	2,581	3,462	7,812
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,248	2,928	7,401

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Abrasive product manufacturing	<1	743	1,764	3,112
Cut stone and stone product manufacturing	<1	2,373	2,775	5,541
Ground or treated mineral and earth manufacturing	<1	170	398	928
Mineral wool manufacturing	<1	899	1,851	3,891
Miscellaneous nonmetallic mineral products manufacturing	<1	514	1,255	2,862
Iron and steel mills and ferroalloy manufacturing	<1	3,113	4,487	28,340
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,030	1,325	6,265
Rolled steel shape manufacturing	<1	608	878	4,753
Steel wire drawing	<1	231	265	1,726
Alumina refining and primary aluminum production	<1	262	338	2,306
Secondary smelting and alloying of aluminum	<1	96	147	1,259
Aluminum sheet, plate, and foil manufacturing	<1	2,023	3,079	18,296
Other aluminum rolling, drawing and extruding	<1	171	205	913
Nonferrous metal (exc aluminum) smelting and refining	<1	221	471	2,221
Copper rolling, drawing, extruding and alloying	<1	2,879	3,628	29,475
Nonferrous metal, except copper and aluminum, shaping	<1	523	588	2,278
Secondary processing of other nonferrous metals	<1	391	482	2,864
Ferrous metal foundries	<1	1,500	1,694	4,400
Nonferrous metal foundries	<1	2,745	3,324	9,683
Custom roll forming	<1	1,490	2,025	5,042
Crown and closure manufacturing and metal stamping	<1	6,598	7,651	19,756
Iron and steel forging	<1	1,836	2,532	9,777
Nonferrous forging	<1	1,184	1,486	4,650
Cutlery, utensil, pot, and pan manufacturing	<1	2,098	3,870	11,698
Handtool manufacturing	<1	1,596	2,215	5,362
Prefabricated metal buildings and components manufacturing	<1	120	149	460
Fabricated structural metal manufacturing	<1	2,665	3,415	10,313
Plate work manufacturing	<1	671	724	2,046
Metal window and door manufacturing	<1	2,131	2,596	6,804
Sheet metal work manufacturing	<1	9,017	10,715	25,346

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Ornamental and architectural metal work manufacturing	<1	1,706	2,008	5,304
Power boiler and heat exchanger manufacturing	<1	35,554	48,743	118,840
Metal tank (heavy gauge) manufacturing	<1	337	393	1,017
Metal cans manufacturing	<1	459	814	4,298
Metal barrels, drums and pails manufacturing	<1	1,396	1,624	5,579
Hardware manufacturing	<1	699	943	2,811
Spring and wire product manufacturing	<1	34,776	42,425	119,828
Machine shops	<1	13,274	15,078	29,078
Turned product and screw, nut, and bolt manufacturing	<1	3,060	3,925	11,427
Metal heat treating	<1	1,697	2,144	4,990
Metal coating and nonprecious engraving	<1	2,746	3,950	11,095
Electroplating, anodizing, and coloring metal	<1	4,419	4,845	10,665
Valve and fittings, other than plumbing, manufacturing	<1	2,226	2,992	7,642
Plumbing fixture fitting and trim manufacturing	<1	442	908	3,254
Ball and roller bearing manufacturing	<1	885	1,306	3,602
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	223	336	813
Fabricated pipe and pipe fitting manufacturing	<1	997	1,142	2,943
Other fabricated metal manufacturing	<1	2,007	2,373	5,793
Farm machinery and equipment manufacturing	<1	3	4	15
Lawn and garden equipment manufacturing	<1	111	154	759
Construction machinery manufacturing	<1	10	16	56
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	7	8	27
Semiconductor machinery manufacturing	<1	46	50	170
Food product machinery manufacturing	<1	14	16	42

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Sawmill, woodworking, and paper machinery	<1	191	207	548
Printing machinery and equipment manufacturing	<1	1,297	1,380	3,203
All other industrial machinery manufacturing	<1	143	161	420
Optical instrument and lens manufacturing	<1	63	74	179
Photographic and photocopying equipment manufacturing	<1	89	100	289
Other commercial service industry machinery manufacturing	<1	565	724	2,284
Air purification and ventilation equipment manufacturing	<1	370	429	1,008
Heating equipment (except warm air furnaces) manufacturing	<1	690	835	2,650
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,302	3,133	10,394
Industrial mold manufacturing	<1	374	402	790
Special tool, die, jig, and fixture manufacturing	<1	289	321	629
Cutting tool and machine tool accessory manufacturing	<1	695	740	1,607
Machine tool manufacturing	<1	141	157	437
Rolling mill and other metalworking machinery manufacturing	<1	6,602	7,137	17,306
Turbine and turbine generator set units manufacturing	<1	30	34	101
Speed changer, industrial high-speed drive, and gear manufacturing	<1	244	295	846
Mechanical power transmission equipment manufacturing	<1	964	1,184	2,757
Other engine equipment manufacturing	<1	57	89	525
Pump and pumping equipment manufacturing	<1	165	215	622
Air and gas compressor manufacturing	<1	17,400	24,562	72,196
Elevator and moving stairway manufacturing	<1	396	458	1,198
Conveyor and conveying equipment manufacturing	<1	135	145	359
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	11
Industrial truck, trailer, and stacker manufacturing	<1	43	55	168

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Power-driven handtool manufacturing	<1	67	107	344
Welding and soldering equipment manufacturing	<1	22	26	82
Packaging machinery manufacturing	<1	256	295	789
Industrial process furnace and oven manufacturing	<1	210	223	457
Fluid power cylinder and actuator manufacturing	<1	162	190	457
Fluid power pump and motor manufacturing	<1	147	179	456
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	146	161	416
Electronic computer manufacturing	<1	341	650	1,768
Computer storage device manufacturing	<1	3	8	24
Computer terminals and other computer peripheral equipment manufacturing	<1	66,716	111,614	232,105
Telephone apparatus manufacturing	<1	114	178	586
Broadcast and wireless communications equipment manufacturing	<1	340	503	1,125
Other communications equipment manufacturing	<1	1,303	2,054	4,921
Audio and video equipment manufacturing	<1	104	171	526
Printed circuit assembly (electronic assembly) manufacturing	<1	1,913	3,239	11,905
Bare printed circuit board manufacturing	<1	975	1,281	3,455
Semiconductor and related device manufacturing	<1	1,854	3,086	10,273
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	824	1,159	2,855
Electronic connector manufacturing	<1	681	1,018	2,693
Other electronic component manufacturing	<1	5,158	6,806	15,824
Electromedical and electrotherapeutic apparatus manufacturing	<1	274	502	1,207
Search, detection, and navigation instruments manufacturing	<1	25,382	41,377	76,498
Automatic environmental control manufacturing	<1	1,966	2,587	4,960

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Industrial process variable instruments manufacturing	<1	467	717	1,627
Totalizing fluid meter and counting device manufacturing	<1	60	123	287
Electricity and signal testing instruments manufacturing	<1	4,403	6,869	21,388
Analytical laboratory instrument manufacturing	1	140,708	232,173	491,666
Irradiation apparatus manufacturing	<1	5	10	28
Watch, clock, and other measuring and controlling device manufacturing	<1	247	438	1,205
Blank magnetic and optical recording media manufacturing	<1	131	346	943
Software and other prerecorded and record reproducing	<1	1,055	1,477	2,895
Electric lamp bulb and part manufacturing	<1	1,838	3,823	6,448
Lighting fixture manufacturing	<1	2,534	3,925	9,451
Small electrical appliance manufacturing	<1	200	488	1,487
Household cooking appliance manufacturing	<1	30	70	204
Household refrigerator and home freezer manufacturing	<1	33	80	222
Household laundry equipment manufacturing	<1	79	147	535
Other major household appliance manufacturing	<1	12	30	78
Power, distribution, and specialty transformer manufacturing	<1	135	214	534
Motor and generator manufacturing	<1	422	766	1,986
Switchgear and switchboard apparatus manufacturing	<1	235	428	967
Relay and industrial control manufacturing	<1	1,490	2,109	4,788
Storage battery manufacturing	<1	290	434	1,073
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1,597	2,001	4,490
Other communication and energy wire manufacturing	<1	322	516	1,564
Wiring device manufacturing	<1	4,381	8,812	18,644
Carbon and graphite product manufacturing	<1	1,184	2,091	5,769
All other miscellaneous electrical equipment and component manufacturing	<1	13,022	15,264	40,836
Automobile manufacturing	<1	17	45	212

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Light truck and utility vehicle manufacturing	<1	55	89	1,170
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	101	125	435
Truck trailer manufacturing	<1	14	16	52
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	833	904	2,451
Motor vehicle gasoline engine and engine parts manufacturing	<1	685	947	5,348
Motor vehicle electrical and electronic equipment manufacturing	<1	2,221	2,832	15,128
Motor vehicle transmission and power train parts manufacturing	<1	320	471	2,863
Motor vehicle seating and interior trim manufacturing	<1	86	98	402
Motor vehicle metal stamping	<1	189	216	677
Other motor vehicle parts manufacturing	<1	3,647	4,506	19,491
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	4,401	6,319	21,031
Aircraft manufacturing	<1	32	51	281
Aircraft engine and engine parts manufacturing	<1	432	829	2,741
Other aircraft parts and auxiliary equipment manufacturing	6	658,233	850,096	2,034,320
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	16	18	77
Ship building and repairing	<1	771	885	2,539
Boat building	<1	142	180	692
Motorcycle, bicycle, and parts manufacturing	<1	2	4	16
Military armored vehicle, tank, and tank component manufacturing	<1	168	270	1,243
All other transportation equipment manufacturing	<1	661	1,075	4,992
Wood kitchen cabinet and countertop manufacturing	<1	5,355	6,196	15,323
Upholstered household furniture manufacturing	<1	740	811	2,770

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Nonupholstered wood household furniture manufacturing	<1	544	587	1,681
Other household nonupholstered furniture manufacturing	<1	224	290	1,075
Institutional furniture manufacturing	<1	38	40	126
Wood office furniture manufacturing	<1	33	38	123
Custom architectural woodwork and millwork	<1	182	166	418
Office furniture, except wood, manufacturing	<1	4,662	6,107	20,078
Showcase, partition, shelving, and locker manufacturing	<1	847	1,000	2,429
Mattress manufacturing	<1	814	1,100	4,798
Blind and shade manufacturing	<1	127	133	456
Surgical and medical instrument manufacturing	<1	2,390	4,299	7,815
Surgical appliance and supplies manufacturing	<1	20,194	38,313	62,631
Dental equipment and supplies manufacturing	<1	1,656	2,733	6,174
Ophthalmic goods manufacturing	<1	508	974	2,180
Dental laboratories	<1	1,753	1,822	2,775
Jewelry and silverware manufacturing	<1	3,078	4,534	8,866
Sporting and athletic goods manufacturing	<1	288	405	1,076
Doll, toy, and game manufacturing	<1	516	823	2,005
Office supplies (except paper) manufacturing	<1	1,056	1,540	4,283
Sign manufacturing	<1	3,130	2,845	6,276
Gasket, packing, and sealing device manufacturing	<1	741	926	1,986
Musical instrument manufacturing	<1	157	173	430
Fasteners, buttons, needles, and pins manufacturing	<1	367	491	1,185
Broom, brush, and mop manufacturing	<1	1,290	1,892	4,438
Burial casket manufacturing	<1	275	340	485
All other miscellaneous manufacturing	<1	5,606	7,478	17,162
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	31,210	65,680	139,003
Wholesale - Professional and commercial equipment and supplies	1	164,413	252,148	399,127

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Wholesale - Household appliances and electrical and electronic goods	<1	64,281	136,646	262,553
Wholesale - Machinery, equipment, and supplies	<1	67,802	119,854	191,318
Wholesale - Other durable goods merchant wholesalers	1	118,407	196,781	349,205
Wholesale - Drugs and druggists' sundries	<1	98,670	231,550	403,821
Wholesale - Grocery and related product wholesalers	1	118,978	153,541	272,007
Wholesale - Petroleum and petroleum products	<1	20,341	379,794	414,965
Wholesale - Other nondurable goods merchant wholesalers	2	189,446	411,186	659,485
Wholesale - Wholesale electronic markets and agents and brokers	<1	97,475	101,201	115,751
Retail - Motor vehicle and parts dealers	1	96,533	148,369	209,808
Retail - Furniture and home furnishings stores	1	60,047	78,093	119,971
Retail - Electronics and appliance stores	1	81,805	69,021	107,393
Retail - Building material and garden equipment and supplies stores	1	63,728	111,714	160,978
Retail - Food and beverage stores	5	201,900	261,449	406,209
Retail - Health and personal care stores	2	124,562	151,786	223,676
Retail - Gasoline stores	2	62,176	99,891	177,066
Retail - Clothing and clothing accessories stores	3	108,172	156,781	282,743
Retail - Sporting goods, hobby, musical instrument and book stores	<1	69,544	78,716	101,475
Retail - General merchandise stores	4	133,318	199,723	320,092
Retail - Miscellaneous store retailers	2	93,514	107,350	154,485
Retail - Nonstore retailers	3	159,252	413,903	643,584
Air transportation	1	142,034	348,984	536,555
Rail transportation	<1	23,250	30,534	65,446
Water transportation	<1	30,232	33,204	93,675
Truck transportation	20	1,655,992	1,904,554	3,462,693
Transit and ground passenger transportation	6	134,896	171,339	232,294
Pipeline transportation	<1	20,113	51,099	58,249
Scenic and sightseeing transportation and support activities for transportation	3	300,016	323,338	541,241

Appendix

Couriers and messengers	3	121,726	164,193	257,791
Warehousing and storage	3	141,023	165,082	298,268
Newspaper publishers	<1	31,940	59,849	67,693
Periodical publishers	<1	39,898	68,886	88,459
Book publishers	<1	19,576	68,610	88,412
Directory, mailing list, and other publishers	<1	19,974	63,388	79,162
Greeting card publishing	<1	53	169	262
Software publishers	18	3,644,547	8,835,268	9,337,483
Motion picture and video industries	<1	63,359	96,142	176,313
Sound recording industries	<1	2,480	12,173	20,787
Radio and television broadcasting	<1	77,429	86,138	154,335
Cable and other subscription programming	<1	33,969	116,284	220,158
Wired telecommunications carriers	1	183,711	399,812	608,593
Wireless telecommunications carriers (except satellite)	<1	14,054	99,719	227,729
Satellite, telecommunications resellers, and all other telecommunications	<1	24,652	33,503	80,583
Data processing, hosting, and related services	1	141,412	312,842	649,041
News syndicates, libraries, archives and all other information services	<1	20,976	40,011	64,517
Internet publishing and broadcasting and web search portals	<1	131,807	330,727	708,467
Nondepository credit intermediation and related activities	1	174,357	199,971	316,206
Securities and commodity contracts intermediation and brokerage	5	595,334	528,362	841,079
Monetary authorities and depository credit intermediation	4	606,800	908,403	1,655,456
Other financial investment activities	3	272,348	334,990	678,940
Direct life insurance carriers	<1	112,668	186,045	236,641
Insurance carriers, except direct life	2	277,417	709,381	1,394,752
Insurance agencies, brokerages, and related activities	2	300,018	423,602	815,381
Funds, trusts, and other financial vehicles	1	36,876	48,487	339,702
Other real estate	23	574,700	1,738,429	4,493,363
Tenant-occupied housing	3	63,579	819,764	936,850

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Owner-occupied dwellings	0	0	2,789,530	3,541,186
Automotive equipment rental and leasing	<1	55,184	128,149	181,164
General and consumer goods rental except video tapes and discs	<1	44,078	59,168	97,092
Video tape and disc rental	<1	10,649	17,123	25,250
Commercial and industrial machinery and equipment rental and leasing	<1	63,399	132,956	189,552
Lessors of nonfinancial intangible assets	<1	9,322	150,522	168,782
Legal services	6	608,570	965,205	1,293,052
Accounting, tax preparation, bookkeeping, and payroll services	3	313,039	421,565	552,451
Architectural, engineering, and related services	3	276,444	311,300	503,342
Specialized design services	<1	31,571	54,559	76,644
Custom computer programming services	2	205,166	225,436	293,112
Computer systems design services	1	171,259	178,047	216,312
Other computer related services, including facilities management	<1	65,315	124,151	183,550
Management consulting services	18	2,076,417	2,194,980	3,153,541
Environmental and other technical consulting services	<1	86,432	92,501	128,973
Scientific research and development services	70	9,704,344	11,582,676	19,107,316
Advertising, public relations, and related services	3	236,280	332,009	521,452
Photographic services	<1	6,794	19,582	32,535
Veterinary services	<1	30,399	38,818	55,876
Marketing research and all other miscellaneous professional, scientific, and technical services	1	191,477	355,125	517,315
Management of companies and enterprises	7	1,388,721	1,604,676	2,248,092
Office administrative services	2	262,528	116,199	208,077
Facilities support services	<1	22,697	31,832	56,660
Employment services	15	757,508	1,048,067	1,470,051
Business support services	2	207,167	175,016	232,556
Travel arrangement and reservation services	<1	61,178	76,828	142,296
Investigation and security services	2	127,950	127,602	171,157
Services to buildings	3	146,236	196,370	323,403
Landscape and horticultural services	2	126,339	153,499	240,225

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Other support services	1	92,487	115,092	177,525
Waste management and remediation services	<1	73,118	133,952	221,633
Elementary and secondary schools	3	144,153	135,277	154,205
Junior colleges, colleges, universities, and professional schools	37	1,820,349	2,743,830	3,511,628
Other educational services	3	115,759	138,561	240,699
Offices of physicians	6	717,805	753,768	1,016,235
Offices of dentists	2	143,475	172,162	239,941
Offices of other health practitioners	2	114,717	155,121	203,182
Outpatient care centers	2	176,732	163,407	264,833
Medical and diagnostic laboratories	<1	85,799	115,657	159,737
Home health care services	4	161,314	156,436	201,274
Other ambulatory health care services	<1	42,640	46,988	73,230
Hospitals	11	1,007,373	1,184,387	2,163,960
Nursing and community care facilities	3	179,808	193,776	313,413
Residential mental retardation, mental health, substance abuse and other facilities	2	84,011	87,899	131,175
Individual and family services	5	191,660	164,075	231,785
Child day care services	3	98,664	137,813	182,099
Community food, housing, and other relief services, including rehabilitation services	1	43,696	45,447	93,148
Performing arts companies	<1	21,536	33,472	49,534
Commercial Sports Except Racing	2	87,998	79,566	106,330
Racing and Track Operation	<1	5,516	12,166	17,269
Independent artists, writers, and performers	<1	16,362	64,636	80,332
Promoters of performing arts and sports and agents for public figures	<1	26,934	57,389	90,259
Museums, historical sites, zoos, and parks	<1	4,805	6,640	11,694
Amusement parks and arcades	<1	9,633	20,918	27,785
Gambling industries (except casino hotels)	<1	35,718	78,866	118,569
Other amusement and recreation industries	1	48,372	56,422	92,676
Fitness and recreational sports centers	2	41,895	56,285	95,011
Bowling centers	<1	3,613	5,387	8,871

Appendix

Hotels and motels, including casino hotels	2	72,478	122,834	186,642
Other accommodations	<1	18,116	25,095	32,356
Full-service restaurants	9	253,166	359,806	605,287
Limited-service restaurants	6	149,897	231,073	475,811
All other food and drinking places	6	206,048	277,078	411,645
Automotive repair and maintenance, except car washes	4	261,492	286,177	405,371
Car washes	2	101,284	152,329	221,524
Electronic and precision equipment repair and maintenance	2	187,373	236,794	335,869
Commercial and industrial machinery and equipment repair and maintenance	<1	82,658	84,107	112,914
Personal and household goods repair and maintenance	<1	29,045	51,535	68,989
Personal care services	4	142,065	119,342	159,153
Death care services	<1	26,812	13,582	19,428
Dry-cleaning and laundry services	2	62,823	29,630	42,192
Other personal services	1	51,679	64,063	89,240
Religious organizations	4	209,030	98,991	342,528
Grantmaking, giving, and social advocacy organizations	2	119,685	370,784	545,793
Business and professional associations	<1	53,159	91,756	148,212
Labor and civic organizations	2	51,660	145,790	245,658
Private households	3	45,040	45,033	45,033
Postal service	1	129,406	129,425	137,442
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	47,451	58,263	297,823
State government passenger transit	<1	52,791	-30,021	73,491
State government electric utilities	0	0	0	0
Other state government enterprises	<1	142,491	146,093	240,861
Local government passenger transit	<1	2,060	-2,041	2,736
Local government electric utilities	<1	1,099	2,699	5,107
Other local government enterprises	<1	55,823	84,620	174,467
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	16	2,389,371	3,355,020	7,675,375

Moon to Mars Campaign

Table 716: Detailed M2M Campaign Impacts by Types of Impact, New Jersey

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>61</i>	<i>7,204,674</i>	<i>14,878,714</i>	<i>19,012,530</i>
Oilseed farming	<1	-21	1,072	1,893
Grain farming	<1	35	220	670
Vegetable and melon farming	<1	343	1,091	2,000
Fruit farming	<1	328	1,159	1,589
Tree nut farming	<1	<1	2	2
Greenhouse, nursery, and floriculture production	<1	655	1,204	2,175
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	61	112	223
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	<1	25	85
Dairy cattle and milk production	<1	3	18	95
Poultry and egg production	<1	18	54	331
Animal production, except cattle and poultry and eggs	<1	60	738	1,075
Forestry, forest products, and timber tract production	<1	265	270	295
Commercial logging	<1	136	139	164
Commercial fishing	<1	1,332	692	971
Commercial hunting and trapping	<1	75	38	44
Support activities for agriculture and forestry	<1	1,597	1,283	1,650
Oil and gas extraction	<1	1,377	69	2,824

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	29	21	39
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	724	414	924
Sand and gravel mining	<1	262	224	347
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	7	5	9
Other nonmetallic minerals	<1	8	6	12
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	14	<1	32
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	65	223	366
Electric power generation - Fossil fuel	<1	1,841	7,786	14,833
Electric power generation - Nuclear	<1	4,529	12,033	21,149
Electric power generation - Solar	<1	121	565	1,004
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	163	148	304
Electric power transmission and distribution	<1	9,355	35,403	68,084
Natural gas distribution	<1	7,175	23,473	42,094
Water, sewage and other systems	<1	2,829	5,823	8,117
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	10,110	14,498	28,734
Maintenance and repair construction of residential structures	<1	7,172	10,097	19,957
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	15	29
Dog and cat food manufacturing	<1	265	638	2,910
Other animal food manufacturing	<1	331	719	3,568
Flour milling	<1	36	55	252
Rice milling	0	0	0	0
Malt manufacturing	<1	10	15	65
Wet corn milling	<1	413	881	3,492
Soybean and other oilseed processing	<1	19	71	527
Fats and oils refining and blending	<1	522	884	8,059
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	301	405	1,477
Chocolate and confectionery manufacturing from cacao beans	<1	30	42	300
Confectionery manufacturing from purchased chocolate	<1	401	498	1,648
Frozen fruits, juices and vegetables manufacturing	<1	336	554	2,910
Frozen specialties manufacturing	<1	833	1,037	3,966
Canned fruits and vegetables manufacturing	<1	670	1,100	4,209

Appendix

Canned specialties	<1	43	80	470
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	634	833	9,062
Dry, condensed, and evaporated dairy product manufacturing	<1	67	127	801
Fluid milk manufacturing	<1	395	548	3,210
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	91	118	593
Frozen cakes and other pastries manufacturing	<1	997	1,337	2,362
Poultry processing	<1	151	182	766
Animal, except poultry, slaughtering	<1	344	430	2,537
Meat processed from carcasses	<1	2,134	2,092	13,618
Rendering and meat byproduct processing	<1	145	166	662
Seafood product preparation and packaging	<1	281	337	1,553
Bread and bakery product, except frozen, manufacturing	<1	3,128	4,031	9,907
Cookie and cracker manufacturing	<1	1,296	1,725	4,762
Dry pasta, mixes, and dough manufacturing	<1	475	830	3,515
Tortilla manufacturing	<1	28	33	141
Roasted nuts and peanut butter manufacturing	<1	432	855	3,190
Other snack food manufacturing	<1	719	1,297	5,000
Coffee and tea manufacturing	<1	313	487	2,235
Flavoring syrup and concentrate manufacturing	<1	158	764	2,213
Mayonnaise, dressing, and sauce manufacturing	<1	43	66	254
Spice and extract manufacturing	<1	1,713	2,470	8,577
All other food manufacturing	<1	1,454	1,902	9,042
Bottled and canned soft drinks & water	<1	681	1,010	4,791
Manufactured ice	<1	68	28	139
Breweries	<1	489	990	2,642
Wineries	<1	250	403	2,094
Distilleries	<1	248	1,230	2,528
Tobacco product manufacturing	<1	137	3,106	4,603
Fiber, yarn, and thread mills	<1	52	77	209
Broadwoven fabric mills	<1	73	113	356
Narrow fabric mills and schiffli machine embroidery	<1	17	18	49

Appendix

Nonwoven fabric mills	<1	11	17	50
Knit fabric mills	<1	39	47	123
Textile and fabric finishing mills	<1	92	111	385
Fabric coating mills	<1	242	287	1,100
Carpet and rug mills	<1	73	119	205
Curtain and linen mills	<1	334	409	893
Textile bag and canvas mills	<1	113	134	395
Rope, cordage, twine, tire cord and tire fabric mills	<1	32	44	110
Other textile product mills	<1	357	422	1,092
Hosiery and sock mills	<1	19	32	60
Other apparel knitting mills	<1	49	59	139
Cut and sew apparel contractors	<1	168	176	371
Mens and boys cut and sew apparel manufacturing	<1	310	328	823
Womens and girls cut and sew apparel manufacturing	<1	92	103	347
Other cut and sew apparel manufacturing	<1	117	129	377
Apparel accessories and other apparel manufacturing	<1	272	282	792
Leather and hide tanning and finishing	<1	9	9	62
Footwear manufacturing	<1	100	106	281
Other leather and allied product manufacturing	<1	15	15	33
Sawmills	<1	27	37	143
Wood preservation	<1	17	35	162
Veneer and plywood manufacturing	<1	24	34	133
Engineered wood member and truss manufacturing	<1	25	33	110
Reconstituted wood product manufacturing	<1	7	13	54
Wood windows and door manufacturing	<1	334	415	1,235
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	92	123	360
Wood container and pallet manufacturing	<1	271	328	950
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	8	10	34
All other miscellaneous wood product manufacturing	<1	62	81	238
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	347	428	2,366
Paperboard mills	<1	36	50	270
Paperboard container manufacturing	<1	1,853	2,265	10,216
Paper bag and coated and treated paper manufacturing	<1	2,182	2,659	10,963
Stationery product manufacturing	<1	184	226	949
Sanitary paper product manufacturing	<1	2,716	3,671	10,436
All other converted paper product manufacturing	<1	147	177	702
Printing	<1	35,216	54,543	91,702
Support activities for printing	<1	1,459	2,063	2,959
Petroleum refineries	<1	2,428	22,706	69,476
Asphalt paving mixture and block manufacturing	<1	177	312	947
Asphalt shingle and coating materials manufacturing	<1	41	189	373
Petroleum lubricating oil and grease manufacturing	<1	17,697	68,093	92,933
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	319	913	4,162
Industrial gas manufacturing	<1	821	1,070	2,542
Synthetic dye and pigment manufacturing	<1	192	240	738
Other basic inorganic chemical manufacturing	<1	851	1,066	2,742
Other basic organic chemical manufacturing	<1	3,002	3,995	23,218
Plastics material and resin manufacturing	<1	890	1,022	4,564
Synthetic rubber manufacturing	<1	6	7	28
Artificial and synthetic fibers and filaments manufacturing	<1	<1	<1	1
Nitrogenous fertilizer manufacturing	<1	28	40	128
Phosphatic fertilizer manufacturing	<1	51	61	170
Fertilizer mixing	<1	43	53	121
Pesticide and other agricultural chemical manufacturing	<1	526	843	4,295
Medicinal and botanical manufacturing	<1	4,694	5,278	11,844
Pharmaceutical preparation manufacturing	<1	33,587	54,049	132,408
In-vitro diagnostic substance manufacturing	<1	2,060	2,184	4,190

Appendix

Biological product (except diagnostic) manufacturing	<1	312	416	858
Paint and coating manufacturing	<1	1,296	1,551	4,759
Adhesive manufacturing	<1	785	942	2,995
Soap and other detergent manufacturing	<1	2,471	3,812	11,954
Polish and other sanitation good manufacturing	<1	1,803	2,056	3,843
Surface active agent manufacturing	<1	536	896	2,357
Toilet preparation manufacturing	<1	5,695	9,143	24,636
Printing ink manufacturing	<1	698	726	1,764
Explosives manufacturing	<1	6	6	15
Custom compounding of purchased resins	<1	3,707	5,187	14,519
Photographic film and chemical manufacturing	<1	853	1,159	3,210
Other miscellaneous chemical product manufacturing	<1	562	678	2,458
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,129	1,506	6,186
Unlaminated plastics profile shape manufacturing	<1	527	815	2,521
Plastics pipe and pipe fitting manufacturing	<1	42	74	266
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	117	162	447
Polystyrene foam product manufacturing	<1	45	62	252
Urethane and other foam product (except polystyrene) manufacturing	<1	190	246	768
Plastics bottle manufacturing	<1	286	381	1,763
Other plastics product manufacturing	<1	3,472	4,286	12,543
Tire manufacturing	<1	110	143	679
Rubber and plastics hoses and belting manufacturing	<1	64	80	269
Other rubber product manufacturing	<1	330	400	1,313
Pottery, ceramics, and plumbing fixture manufacturing	<1	187	245	434
Brick, tile, and other structural clay product manufacturing	<1	57	91	233
Flat glass manufacturing	<1	30	55	149
Other pressed and blown glass and glassware manufacturing	<1	370	584	1,448
Glass container manufacturing	<1	256	380	1,028

Appendix

Glass product manufacturing made of purchased glass	<1	417	646	1,467
Cement manufacturing	<1	37	78	233
Ready-mix concrete manufacturing	<1	297	465	1,322
Concrete block and brick manufacturing	<1	141	226	504
Concrete pipe manufacturing	<1	6	9	21
Other concrete product manufacturing	<1	182	244	552
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	122	281	714
Abrasive product manufacturing	<1	120	272	486
Cut stone and stone product manufacturing	<1	278	324	647
Ground or treated mineral and earth manufacturing	<1	15	36	84
Mineral wool manufacturing	<1	74	149	308
Miscellaneous nonmetallic mineral products manufacturing	<1	26	63	142
Iron and steel mills and ferroalloy manufacturing	<1	301	417	2,785
Iron, steel pipe and tube manufacturing from purchased steel	<1	123	152	719
Rolled steel shape manufacturing	<1	51	72	418
Steel wire drawing	<1	10	12	74
Alumina refining and primary aluminum production	<1	31	39	251
Secondary smelting and alloying of aluminum	<1	11	17	144
Aluminum sheet, plate, and foil manufacturing	<1	92	134	846
Other aluminum rolling, drawing and extruding	<1	17	20	89
Nonferrous metal (exc aluminum) smelting and refining	<1	10	19	95
Copper rolling, drawing, extruding and alloying	<1	170	212	1,659
Nonferrous metal, except copper and aluminum, shaping	<1	33	36	143
Secondary processing of other nonferrous metals	<1	27	28	181
Ferrous metal foundries	<1	487	548	1,465
Nonferrous metal foundries	<1	616	719	2,117
Custom roll forming	<1	194	257	648
Crown and closure manufacturing and metal stamping	<1	671	779	1,981
Iron and steel forging	<1	205	280	1,072

Appendix

Nonferrous forging	<1	140	173	526
Cutlery, utensil, pot, and pan manufacturing	<1	289	551	1,630
Handtool manufacturing	<1	258	358	842
Prefabricated metal buildings and components manufacturing	<1	6	7	22
Fabricated structural metal manufacturing	<1	209	264	802
Plate work manufacturing	<1	65	70	193
Metal window and door manufacturing	<1	197	239	623
Sheet metal work manufacturing	<1	462	547	1,281
Ornamental and architectural metal work manufacturing	<1	142	166	434
Power boiler and heat exchanger manufacturing	<1	28	34	93
Metal tank (heavy gauge) manufacturing	<1	34	39	100
Metal cans manufacturing	<1	126	219	1,150
Metal barrels, drums and pails manufacturing	<1	320	373	1,239
Hardware manufacturing	<1	54	72	214
Spring and wire product manufacturing	<1	367	443	1,250
Machine shops	<1	1,535	1,741	3,328
Turned product and screw, nut, and bolt manufacturing	<1	519	654	1,874
Metal heat treating	<1	582	725	1,693
Metal coating and nonprecious engraving	<1	896	1,266	3,593
Electroplating, anodizing, and coloring metal	<1	1,375	1,500	3,296
Valve and fittings, other than plumbing, manufacturing	<1	349	472	1,204
Plumbing fixture fitting and trim manufacturing	<1	33	68	239
Ball and roller bearing manufacturing	<1	210	301	806
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	37	55	127
Fabricated pipe and pipe fitting manufacturing	<1	45	51	134
Other fabricated metal manufacturing	<1	247	293	700
Farm machinery and equipment manufacturing	<1	<1	<1	<1

Appendix

Lawn and garden equipment manufacturing	<1	13	19	88
Construction machinery manufacturing	<1	<1	1	4
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	12	13	43
Food product machinery manufacturing	<1	2	3	7
Sawmill, woodworking, and paper machinery	<1	16	18	47
Printing machinery and equipment manufacturing	<1	84	90	199
All other industrial machinery manufacturing	<1	38	43	111
Optical instrument and lens manufacturing	<1	10	11	28
Photographic and photocopying equipment manufacturing	<1	16	18	51
Other commercial service industry machinery manufacturing	<1	64	83	255
Air purification and ventilation equipment manufacturing	<1	37	43	102
Heating equipment (except warm air furnaces) manufacturing	<1	60	77	223
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	260	364	1,161
Industrial mold manufacturing	<1	29	31	61
Special tool, die, jig, and fixture manufacturing	<1	41	47	90
Cutting tool and machine tool accessory manufacturing	<1	122	132	284
Machine tool manufacturing	<1	52	59	164
Rolling mill and other metalworking machinery manufacturing	<1	9,454	10,453	24,951
Turbine and turbine generator set units manufacturing	<1	2	3	8
Speed changer, industrial high-speed drive, and gear manufacturing	<1	46	57	152
Mechanical power transmission equipment manufacturing	<1	75	94	215
Other engine equipment manufacturing	<1	12	19	96

Appendix

Pump and pumping equipment manufacturing	<1	23	31	88
Air and gas compressor manufacturing	<1	15,360	25,153	84,593
Elevator and moving stairway manufacturing	<1	31	37	97
Conveyor and conveying equipment manufacturing	<1	10	11	27
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	1
Industrial truck, trailer, and stacker manufacturing	<1	4	5	16
Power-driven handtool manufacturing	<1	23	37	109
Welding and soldering equipment manufacturing	<1	4	5	15
Packaging machinery manufacturing	<1	39	45	119
Industrial process furnace and oven manufacturing	<1	32	34	68
Fluid power cylinder and actuator manufacturing	<1	19	23	56
Fluid power pump and motor manufacturing	<1	102	126	312
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	20	22	56
Electronic computer manufacturing	<1	10	21	61
Computer storage device manufacturing	<1	<1	1	4
Computer terminals and other computer peripheral equipment manufacturing	<1	447	759	1,571
Telephone apparatus manufacturing	<1	12	18	59
Broadcast and wireless communications equipment manufacturing	<1	56	83	183
Other communications equipment manufacturing	<1	167	259	638
Audio and video equipment manufacturing	<1	22	36	109
Printed circuit assembly (electronic assembly) manufacturing	<1	206	355	1,280
Bare printed circuit board manufacturing	<1	580	762	2,140
Semiconductor and related device manufacturing	<1	440	735	2,322

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	421	600	1,458
Electronic connector manufacturing	<1	160	240	641
Other electronic component manufacturing	<1	521	689	1,565
Electromedical and electrotherapeutic apparatus manufacturing	<1	49	88	209
Search, detection, and navigation instruments manufacturing	<1	56	90	168
Automatic environmental control manufacturing	<1	237	309	598
Industrial process variable instruments manufacturing	<1	69	107	240
Totalizing fluid meter and counting device manufacturing	<1	5	9	22
Electricity and signal testing instruments manufacturing	<1	300	469	1,446
Analytical laboratory instrument manufacturing	<1	7,820	12,893	26,593
Irradiation apparatus manufacturing	<1	<1	2	4
Watch, clock, and other measuring and controlling device manufacturing	<1	44	77	210
Blank magnetic and optical recording media manufacturing	<1	62	166	379
Software and other prerecorded and record reproducing	<1	191	269	475
Electric lamp bulb and part manufacturing	<1	273	592	960
Lighting fixture manufacturing	<1	313	475	1,141
Small electrical appliance manufacturing	<1	34	87	253
Household cooking appliance manufacturing	<1	4	11	29
Household refrigerator and home freezer manufacturing	<1	5	12	32
Household laundry equipment manufacturing	<1	11	22	78
Other major household appliance manufacturing	<1	2	4	11
Power, distribution, and specialty transformer manufacturing	<1	23	37	91
Motor and generator manufacturing	<1	95	171	448
Switchgear and switchboard apparatus manufacturing	<1	23	43	96

Appendix

Relay and industrial control manufacturing	<1	389	560	1,230
Storage battery manufacturing	<1	40	58	140
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	167	210	455
Other communication and energy wire manufacturing	<1	23	36	109
Wiring device manufacturing	<1	437	895	1,820
Carbon and graphite product manufacturing	<1	50	91	247
All other miscellaneous electrical equipment and component manufacturing	<1	17	20	57
Automobile manufacturing	<1	2	6	26
Light truck and utility vehicle manufacturing	<1	6	10	131
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	10	13	46
Truck trailer manufacturing	<1	1	1	4
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	96	105	283
Motor vehicle gasoline engine and engine parts manufacturing	<1	67	89	526
Motor vehicle electrical and electronic equipment manufacturing	<1	206	256	1,297
Motor vehicle transmission and power train parts manufacturing	<1	42	61	338
Motor vehicle seating and interior trim manufacturing	<1	6	7	27
Motor vehicle metal stamping	<1	6	7	20
Other motor vehicle parts manufacturing	<1	290	325	1,529
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	422	601	1,970
Aircraft manufacturing	<1	2	4	19
Aircraft engine and engine parts manufacturing	<1	17	25	98
Other aircraft parts and auxiliary equipment manufacturing	<1	27	33	78
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	1	1	6
Ship building and repairing	<1	86	100	284
Boat building	<1	18	22	86
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	3
Military armored vehicle, tank, and tank component manufacturing	<1	2	4	16
All other transportation equipment manufacturing	<1	103	171	780
Wood kitchen cabinet and countertop manufacturing	<1	646	708	1,777
Upholstered household furniture manufacturing	<1	142	156	532
Nonupholstered wood household furniture manufacturing	<1	82	87	248
Other household nonupholstered furniture manufacturing	<1	38	48	176
Institutional furniture manufacturing	<1	5	6	17
Wood office furniture manufacturing	<1	1	1	4
Custom architectural woodwork and millwork	<1	21	19	47
Office furniture, except wood, manufacturing	<1	33	40	143
Showcase, partition, shelving, and locker manufacturing	<1	89	99	245
Mattress manufacturing	<1	123	156	699
Blind and shade manufacturing	<1	17	17	62
Surgical and medical instrument manufacturing	<1	407	728	1,261
Surgical appliance and supplies manufacturing	<1	3,475	6,753	10,553
Dental equipment and supplies manufacturing	<1	62	100	215
Ophthalmic goods manufacturing	<1	87	171	370
Dental laboratories	<1	304	317	479
Jewelry and silverware manufacturing	<1	436	647	1,254
Sporting and athletic goods manufacturing	<1	41	58	147
Doll, toy, and game manufacturing	<1	85	142	328
Office supplies (except paper) manufacturing	<1	142	208	551
Sign manufacturing	<1	468	433	944
Gasket, packing, and sealing device manufacturing	<1	87	109	229

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Musical instrument manufacturing	<1	36	41	96
Fasteners, buttons, needles, and pins manufacturing	<1	60	83	200
Broom, brush, and mop manufacturing	<1	204	369	706
Burial casket manufacturing	<1	28	35	48
All other miscellaneous manufacturing	<1	325	444	1,028
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,747	7,985	16,874
Wholesale - Professional and commercial equipment and supplies	<1	30,831	47,265	74,153
Wholesale - Household appliances and electrical and electronic goods	<1	9,036	19,203	36,697
Wholesale - Machinery, equipment, and supplies	<1	6,428	11,421	18,205
Wholesale - Other durable goods merchant wholesalers	<1	14,579	24,418	43,151
Wholesale - Drugs and druggists' sundries	<1	14,287	33,537	57,451
Wholesale - Grocery and related product wholesalers	<1	15,423	19,903	35,118
Wholesale - Petroleum and petroleum products	<1	1,371	34,558	36,752
Wholesale - Other nondurable goods merchant wholesalers	<1	24,230	54,639	85,649
Wholesale - Wholesale electronic markets and agents and brokers	<1	12,202	12,676	14,452
Retail - Motor vehicle and parts dealers	<1	13,248	20,376	28,638
Retail - Furniture and home furnishings stores	<1	8,720	11,343	17,265
Retail - Electronics and appliance stores	<1	11,777	10,084	15,409
Retail - Building material and garden equipment and supplies stores	<1	8,510	14,970	21,485
Retail - Food and beverage stores	<1	30,842	39,717	60,937
Retail - Health and personal care stores	<1	17,939	21,969	32,347
Retail - Gasoline stores	<1	6,108	9,517	16,340
Retail - Clothing and clothing accessories stores	<1	15,555	22,357	39,539
Retail - Sporting goods, hobby, musical instrument and book stores	<1	9,949	11,288	14,374
Retail - General merchandise stores	<1	18,173	27,375	43,841

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Retail - Miscellaneous store retailers	<1	13,713	15,722	22,178
Retail - Nonstore retailers	<1	21,753	60,122	92,196
Air transportation	<1	18,273	45,881	69,747
Rail transportation	<1	1,911	2,139	4,900
Water transportation	<1	3,998	4,433	12,108
Truck transportation	<1	27,273	31,399	57,692
Transit and ground passenger transportation	<1	21,102	26,642	34,976
Pipeline transportation	<1	1,134	3,248	3,795
Scenic and sightseeing transportation and support activities for transportation	<1	19,059	20,606	34,723
Couriers and messengers	<1	11,012	15,172	23,775
Warehousing and storage	<1	17,917	21,033	37,758
Newspaper publishers	<1	5,572	10,463	11,650
Periodical publishers	<1	7,868	13,679	16,728
Book publishers	<1	2,445	8,661	11,000
Directory, mailing list, and other publishers	<1	2,140	7,005	8,678
Greeting card publishing	<1	8	26	39
Software publishers	19	3,991,574	9,741,122	10,295,801
Motion picture and video industries	<1	11,461	17,329	28,499
Sound recording industries	<1	421	2,112	3,404
Radio and television broadcasting	<1	18,520	19,517	28,055
Cable and other subscription programming	<1	11,241	26,940	42,761
Wired telecommunications carriers	<1	26,418	55,484	83,502
Wireless telecommunications carriers (except satellite)	<1	2,113	15,312	34,321
Satellite, telecommunications resellers, and all other telecommunications	<1	4,024	5,349	12,395
Data processing, hosting, and related services	<1	17,099	37,373	73,543
News syndicates, libraries, archives and all other information services	<1	3,150	6,169	9,448
Internet publishing and broadcasting and web search portals	<1	33,759	84,449	142,341
Nondepository credit intermediation and related activities	<1	25,273	29,094	44,534
Securities and commodity contracts intermediation and brokerage	<1	86,092	75,020	109,528

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Monetary authorities and depository credit intermediation	<1	64,342	97,245	174,662
Other financial investment activities	<1	47,624	57,162	103,754
Direct life insurance carriers	<1	14,927	25,748	31,887
Insurance carriers, except direct life	<1	33,941	91,647	171,925
Insurance agencies, brokerages, and related activities	<1	32,727	47,684	88,530
Funds, trusts, and other financial vehicles	<1	6,242	8,428	50,547
Other real estate	2	50,182	146,777	356,094
Tenant-occupied housing	<1	9,899	131,396	147,386
Owner-occupied dwellings	0	0	443,336	562,796
Automotive equipment rental and leasing	<1	8,813	17,363	23,446
General and consumer goods rental except video tapes and discs	<1	5,135	6,570	10,316
Video tape and disc rental	<1	1,557	2,477	3,640
Commercial and industrial machinery and equipment rental and leasing	<1	6,705	12,955	18,096
Lessors of nonfinancial intangible assets	<1	880	14,852	16,570
Legal services	<1	54,148	87,478	115,511
Accounting, tax preparation, bookkeeping, and payroll services	<1	40,152	55,553	70,964
Architectural, engineering, and related services	<1	14,175	16,163	25,779
Specialized design services	<1	3,362	5,972	8,228
Custom computer programming services	<1	22,500	24,523	31,420
Computer systems design services	<1	21,736	22,614	27,173
Other computer related services, including facilities management	<1	8,491	16,016	23,239
Management consulting services	<1	52,698	56,031	79,110
Environmental and other technical consulting services	<1	10,141	10,970	15,120
Scientific research and development services	1	161,582	191,116	308,561
Advertising, public relations, and related services	<1	47,410	68,080	102,059
Photographic services	<1	817	2,513	3,999
Veterinary services	<1	4,382	5,734	8,076
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,393	19,436	28,499

Appendix

Management of companies and enterprises	<1	134,659	156,436	215,541
Office administrative services	<1	51,287	24,317	40,059
Facilities support services	<1	3,338	4,706	7,892
Employment services	2	98,189	138,269	186,707
Business support services	<1	19,290	16,549	21,292
Travel arrangement and reservation services	<1	6,303	7,957	14,689
Investigation and security services	<1	18,666	18,717	24,403
Services to buildings	<1	15,813	21,547	34,251
Landscape and horticultural services	<1	12,777	15,650	23,952
Other support services	<1	13,654	17,139	25,847
Waste management and remediation services	<1	7,897	14,439	23,718
Elementary and secondary schools	<1	26,288	24,706	27,820
Junior colleges, colleges, universities, and professional schools	<1	39,384	58,916	73,462
Other educational services	<1	17,708	21,354	35,922
Offices of physicians	<1	106,261	112,112	151,090
Offices of dentists	<1	21,480	26,171	36,106
Offices of other health practitioners	<1	16,753	23,170	30,083
Outpatient care centers	<1	26,874	25,014	40,945
Medical and diagnostic laboratories	<1	9,243	12,665	17,375
Home health care services	<1	24,040	23,420	30,348
Other ambulatory health care services	<1	6,422	7,139	11,035
Hospitals	2	168,772	196,998	358,094
Nursing and community care facilities	<1	27,688	29,864	47,383
Residential mental retardation, mental health, substance abuse and other facilities	<1	14,302	14,995	22,028
Individual and family services	<1	30,309	26,192	36,617
Child day care services	<1	15,597	22,070	28,688
Community food, housing, and other relief services, including rehabilitation services	<1	7,434	7,759	15,569
Performing arts companies	<1	3,579	5,471	7,605
Commercial Sports Except Racing	<1	13,585	11,866	15,724
Racing and Track Operation	<1	906	2,001	2,577
Independent artists, writers, and performers	<1	2,541	9,347	11,404

Appendix

Promoters of performing arts and sports and agents for public figures	<1	4,168	8,643	12,950
Museums, historical sites, zoos, and parks	<1	727	1,004	1,740
Amusement parks and arcades	<1	1,605	3,127	4,153
Gambling industries (except casino hotels)	<1	5,646	12,151	18,033
Other amusement and recreation industries	<1	6,977	7,804	12,705
Fitness and recreational sports centers	<1	6,621	8,462	14,150
Bowling centers	<1	533	771	1,256
Hotels and motels, including casino hotels	<1	10,974	18,328	27,537
Other accommodations	<1	3,212	4,421	5,633
Full-service restaurants	1	33,468	48,069	79,524
Limited-service restaurants	<1	21,770	33,809	67,849
All other food and drinking places	<1	25,333	34,080	49,675
Automotive repair and maintenance, except car washes	<1	33,269	35,325	50,057
Car washes	<1	15,195	22,751	32,913
Electronic and precision equipment repair and maintenance	<1	8,192	10,414	14,449
Commercial and industrial machinery and equipment repair and maintenance	<1	9,998	9,983	13,275
Personal and household goods repair and maintenance	<1	3,844	6,670	8,931
Personal care services	<1	22,468	18,247	24,398
Death care services	<1	4,640	2,041	3,019
Dry-cleaning and laundry services	<1	8,789	3,632	5,350
Other personal services	<1	7,687	9,429	13,051
Religious organizations	<1	33,660	13,842	52,979
Grantmaking, giving, and social advocacy organizations	<1	6,455	19,140	27,922
Business and professional associations	<1	7,809	12,865	20,518
Labor and civic organizations	<1	8,875	23,576	40,421
Private households	<1	7,296	7,296	7,296
Postal service	<1	13,594	13,598	14,430
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	268	379	1,386
State government passenger transit	<1	60,104	-41,580	43,996
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	9,732	9,943	15,446
Local government passenger transit	<1	273	-285	295
Local government electric utilities	<1	116	271	510
Other local government enterprises	<1	6,262	9,028	18,643
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	165,097	360,254	824,163

Investments in Climate Change Research and Technology

Table 717: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Jersey

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>83</i>	<i>6,742,326</i>	<i>9,847,290</i>	<i>17,064,010</i>
Oilseed farming	<1	-23	706	1,052
Grain farming	<1	59	302	1,148
Vegetable and melon farming	<1	390	1,224	2,271
Fruit farming	<1	318	1,136	1,562
Tree nut farming	<1	<1	1	2
Greenhouse, nursery, and floriculture production	<1	889	1,635	3,052
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	112	197	411
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	<1	53	201

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Dairy cattle and milk production	<1	4	21	124
Poultry and egg production	<1	32	88	649
Animal production, except cattle and poultry and eggs	<1	188	1,794	2,493
Forestry, forest products, and timber tract production	<1	373	383	440
Commercial logging	<1	208	214	273
Commercial fishing	<1	1,422	1,224	1,655
Commercial hunting and trapping	<1	59	58	64
Support activities for agriculture and forestry	<1	4,438	3,625	4,634
Oil and gas extraction	<1	3,670	147	5,687
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	945	645	1,186
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,324	1,052	2,214
Sand and gravel mining	<1	746	745	1,171
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	8	9	15
Other nonmetallic minerals	<1	23	20	39
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	4	2	6
Metal mining services	<1	68	4	133
Other nonmetallic minerals services	<1	4	1	10
Electric power generation - Hydroelectric	<1	115	372	611
Electric power generation - Fossil fuel	<1	1,958	8,934	19,147
Electric power generation - Nuclear	<1	5,974	15,577	29,757
Electric power generation - Solar	<1	181	831	1,530
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	153	137	347
Electric power transmission and distribution	<1	13,319	51,180	105,764
Natural gas distribution	<1	10,958	34,591	66,288
Water, sewage and other systems	<1	5,736	11,867	17,752
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	20,839	29,857	61,284
Maintenance and repair construction of residential structures	<1	7,628	10,694	21,951
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	12	17	35
Dog and cat food manufacturing	<1	342	773	3,758
Other animal food manufacturing	<1	619	1,262	6,780
Flour milling	<1	65	103	468
Rice milling	0	0	0	0
Malt manufacturing	<1	23	35	156
Wet corn milling	<1	554	1,092	4,515
Soybean and other oilseed processing	<1	18	68	520
Fats and oils refining and blending	<1	303	500	4,872
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	271	369	1,451
Chocolate and confectionery manufacturing from cacao beans	<1	20	27	202
Confectionery manufacturing from purchased chocolate	<1	503	622	2,205
Frozen fruits, juices and vegetables manufacturing	<1	368	584	3,572
Frozen specialties manufacturing	<1	1,023	1,289	5,095
Canned fruits and vegetables manufacturing	<1	615	1,009	3,973
Canned specialties	<1	66	133	778
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	660	871	9,411
Dry, condensed, and evaporated dairy product manufacturing	<1	77	144	1,051
Fluid milk manufacturing	<1	486	661	4,054
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	148	186	1,050
Frozen cakes and other pastries manufacturing	<1	1,260	1,700	3,085
Poultry processing	<1	289	331	1,462
Animal, except poultry, slaughtering	<1	687	846	5,099
Meat processed from carcasses	<1	2,397	2,311	15,571
Rendering and meat byproduct processing	<1	152	172	718
Seafood product preparation and packaging	<1	605	697	3,604
Bread and bakery product, except frozen, manufacturing	<1	4,037	5,216	13,063
Cookie and cracker manufacturing	<1	1,229	1,539	4,903
Dry pasta, mixes, and dough manufacturing	<1	513	906	3,640
Tortilla manufacturing	<1	35	41	186
Roasted nuts and peanut butter manufacturing	<1	429	804	3,303
Other snack food manufacturing	<1	859	1,586	6,161
Coffee and tea manufacturing	<1	481	724	3,413
Flavoring syrup and concentrate manufacturing	<1	219	1,147	3,227
Mayonnaise, dressing, and sauce manufacturing	<1	54	88	353
Spice and extract manufacturing	<1	1,750	2,442	9,281
All other food manufacturing	<1	1,297	1,704	8,589

Appendix

Bottled and canned soft drinks & water	<1	883	1,279	6,329
Manufactured ice	<1	80	30	178
Breweries	<1	736	1,413	3,892
Wineries	<1	175	282	1,570
Distilleries	<1	332	1,494	3,325
Tobacco product manufacturing	<1	139	2,323	3,907
Fiber, yarn, and thread mills	<1	71	89	297
Broadwoven fabric mills	<1	130	170	606
Narrow fabric mills and schiffli machine embroidery	<1	15	17	47
Nonwoven fabric mills	<1	11	15	50
Knit fabric mills	<1	26	30	81
Textile and fabric finishing mills	<1	59	72	262
Fabric coating mills	<1	157	196	819
Carpet and rug mills	<1	75	97	220
Curtain and linen mills	<1	336	397	952
Textile bag and canvas mills	<1	147	169	533
Rope, cordage, twine, tire cord and tire fabric mills	<1	110	141	385
Other textile product mills	<1	378	438	1,235
Hosiery and sock mills	<1	22	35	79
Other apparel knitting mills	<1	44	56	141
Cut and sew apparel contractors	<1	254	267	591
Mens and boys cut and sew apparel manufacturing	<1	219	229	659
Womens and girls cut and sew apparel manufacturing	<1	53	59	214
Other cut and sew apparel manufacturing	<1	112	124	398
Apparel accessories and other apparel manufacturing	<1	207	212	698
Leather and hide tanning and finishing	<1	13	12	87
Footwear manufacturing	<1	147	148	468
Other leather and allied product manufacturing	<1	12	12	28
Sawmills	<1	56	74	287
Wood preservation	<1	38	75	349
Veneer and plywood manufacturing	<1	60	82	311
Engineered wood member and truss manufacturing	<1	47	59	202
Reconstituted wood product manufacturing	<1	16	29	118
Wood windows and door manufacturing	<1	960	1,178	3,591

Appendix

Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	200	265	822
Wood container and pallet manufacturing	<1	342	411	1,230
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	15	19	58
All other miscellaneous wood product manufacturing	<1	74	93	313
Pulp mills	0	0	0	0
Paper mills	<1	630	930	4,496
Paperboard mills	<1	62	93	456
Paperboard container manufacturing	<1	2,033	2,518	11,538
Paper bag and coated and treated paper manufacturing	<1	2,649	3,477	14,640
Stationery product manufacturing	<1	257	329	1,457
Sanitary paper product manufacturing	<1	4,119	6,026	15,776
All other converted paper product manufacturing	<1	184	227	844
Printing	<1	25,642	36,958	71,987
Support activities for printing	<1	1,007	1,406	2,096
Petroleum refineries	<1	4,365	38,983	120,277
Asphalt paving mixture and block manufacturing	<1	303	537	1,711
Asphalt shingle and coating materials manufacturing	<1	85	391	765
Petroleum lubricating oil and grease manufacturing	<1	4,872	22,590	38,218
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	605	1,720	8,914
Industrial gas manufacturing	<1	2,155	2,661	6,460
Synthetic dye and pigment manufacturing	<1	267	314	877
Other basic inorganic chemical manufacturing	<1	1,469	1,622	4,338
Other basic organic chemical manufacturing	<1	7,494	9,765	50,375
Plastics material and resin manufacturing	<1	2,110	2,307	9,224
Synthetic rubber manufacturing	<1	12	13	47
Artificial and synthetic fibers and filaments manufacturing	<1	<1	<1	<1

Appendix

Nitrogenous fertilizer manufacturing	<1	40	54	190
Phosphatic fertilizer manufacturing	<1	111	128	361
Fertilizer mixing	<1	82	94	222
Pesticide and other agricultural chemical manufacturing	<1	1,251	1,954	9,571
Medicinal and botanical manufacturing	<1	3,172	3,380	8,467
Pharmaceutical preparation manufacturing	<1	23,891	35,778	95,815
In-vitro diagnostic substance manufacturing	<1	894	932	1,802
Biological product (except diagnostic) manufacturing	<1	178	221	499
Paint and coating manufacturing	<1	1,553	1,736	5,364
Adhesive manufacturing	<1	635	709	2,518
Soap and other detergent manufacturing	<1	2,566	3,541	14,311
Polish and other sanitation good manufacturing	<1	2,055	2,215	4,623
Surface active agent manufacturing	<1	854	1,261	3,721
Toilet preparation manufacturing	<1	4,738	7,013	20,051
Printing ink manufacturing	<1	409	421	1,020
Explosives manufacturing	<1	16	17	40
Custom compounding of purchased resins	<1	1,778	2,039	6,805
Photographic film and chemical manufacturing	<1	1,294	1,685	4,882
Other miscellaneous chemical product manufacturing	<1	983	1,108	3,869
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,620	2,192	9,282
Unlaminated plastics profile shape manufacturing	<1	1,578	2,483	8,021
Plastics pipe and pipe fitting manufacturing	<1	145	261	898
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	187	266	715
Polystyrene foam product manufacturing	<1	79	110	448
Urethane and other foam product (except polystyrene) manufacturing	<1	278	365	1,166
Plastics bottle manufacturing	<1	214	288	1,423
Other plastics product manufacturing	<1	4,818	5,911	18,381

Appendix

Tire manufacturing	<1	200	258	1,222
Rubber and plastics hoses and belting manufacturing	<1	119	151	507
Other rubber product manufacturing	<1	998	1,228	3,848
Pottery, ceramics, and plumbing fixture manufacturing	<1	441	605	998
Brick, tile, and other structural clay product manufacturing	<1	183	301	732
Flat glass manufacturing	<1	67	132	343
Other pressed and blown glass and glassware manufacturing	<1	919	1,534	3,698
Glass container manufacturing	<1	298	461	1,191
Glass product manufacturing made of purchased glass	<1	891	1,439	3,171
Cement manufacturing	<1	112	253	725
Ready-mix concrete manufacturing	<1	789	1,270	3,549
Concrete block and brick manufacturing	<1	407	696	1,489
Concrete pipe manufacturing	<1	13	21	43
Other concrete product manufacturing	<1	572	784	1,739
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	231	575	1,398
Abrasive product manufacturing	<1	108	274	474
Cut stone and stone product manufacturing	<1	427	500	1,001
Ground or treated mineral and earth manufacturing	<1	29	70	159
Mineral wool manufacturing	<1	161	338	701
Miscellaneous nonmetallic mineral products manufacturing	<1	71	188	423
Iron and steel mills and ferroalloy manufacturing	<1	435	700	3,979
Iron, steel pipe and tube manufacturing from purchased steel	<1	149	214	957
Rolled steel shape manufacturing	<1	106	168	798
Steel wire drawing	<1	15	21	119
Alumina refining and primary aluminum production	<1	40	56	364
Secondary smelting and alloying of aluminum	<1	18	29	248
Aluminum sheet, plate, and foil manufacturing	<1	176	295	1,558
Other aluminum rolling, drawing and extruding	<1	18	24	101

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	61	146	624
Copper rolling, drawing, extruding and alloying	<1	621	818	6,693
Nonferrous metal, except copper and aluminum, shaping	<1	122	141	532
Secondary processing of other nonferrous metals	<1	55	85	439
Ferrous metal foundries	<1	145	189	452
Nonferrous metal foundries	<1	284	360	1,034
Custom roll forming	<1	172	237	585
Crown and closure manufacturing and metal stamping	<1	1,207	1,409	3,718
Iron and steel forging	<1	480	667	2,577
Nonferrous forging	<1	289	367	1,160
Cutlery, utensil, pot, and pan manufacturing	<1	288	534	1,663
Handtool manufacturing	<1	202	280	696
Prefabricated metal buildings and components manufacturing	<1	17	21	65
Fabricated structural metal manufacturing	<1	501	651	1,988
Plate work manufacturing	<1	137	147	419
Metal window and door manufacturing	<1	398	490	1,308
Sheet metal work manufacturing	<1	2,576	3,088	7,458
Ornamental and architectural metal work manufacturing	<1	311	370	1,007
Power boiler and heat exchanger manufacturing	<1	39	48	124
Metal tank (heavy gauge) manufacturing	<1	49	58	151
Metal cans manufacturing	<1	52	92	486
Metal barrels, drums and pails manufacturing	<1	117	137	491
Hardware manufacturing	<1	117	159	484
Spring and wire product manufacturing	<1	484	596	1,673
Machine shops	<1	1,471	1,683	3,315
Turned product and screw, nut, and bolt manufacturing	<1	371	481	1,417
Metal heat treating	<1	191	242	562
Metal coating and nonprecious engraving	<1	322	469	1,309
Electroplating, anodizing, and coloring metal	<1	501	551	1,218
Valve and fittings, other than plumbing, manufacturing	<1	325	438	1,144

Appendix

Plumbing fixture fitting and trim manufacturing	<1	102	208	760
Ball and roller bearing manufacturing	<1	105	158	437
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	34	51	130
Fabricated pipe and pipe fitting manufacturing	<1	169	195	498
Other fabricated metal manufacturing	<1	309	368	911
Farm machinery and equipment manufacturing	<1	<1	<1	2
Lawn and garden equipment manufacturing	<1	17	23	119
Construction machinery manufacturing	<1	2	4	14
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	2	3	8
Semiconductor machinery manufacturing	<1	5	6	20
Food product machinery manufacturing	<1	2	2	7
Sawmill, woodworking, and paper machinery	<1	30	33	89
Printing machinery and equipment manufacturing	<1	46	48	114
All other industrial machinery manufacturing	<1	41	45	119
Optical instrument and lens manufacturing	<1	25	29	77
Photographic and photocopying equipment manufacturing	<1	10	12	34
Other commercial service industry machinery manufacturing	<1	93	113	361
Air purification and ventilation equipment manufacturing	<1	74	82	200
Heating equipment (except warm air furnaces) manufacturing	<1	141	168	554
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	454	594	2,083
Industrial mold manufacturing	<1	55	59	120
Special tool, die, jig, and fixture manufacturing	<1	36	39	79

Appendix

Cutting tool and machine tool accessory manufacturing	<1	82	87	191
Machine tool manufacturing	<1	13	15	42
Rolling mill and other metalworking machinery manufacturing	<1	4	4	10
Turbine and turbine generator set units manufacturing	<1	4	5	15
Speed changer, industrial high-speed drive, and gear manufacturing	<1	45	53	162
Mechanical power transmission equipment manufacturing	<1	227	269	655
Other engine equipment manufacturing	<1	8	12	81
Pump and pumping equipment manufacturing	<1	24	30	92
Air and gas compressor manufacturing	<1	3	3	10
Elevator and moving stairway manufacturing	<1	110	123	330
Conveyor and conveying equipment manufacturing	<1	26	27	70
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	9	11	34
Power-driven handtool manufacturing	<1	8	13	44
Welding and soldering equipment manufacturing	<1	3	3	11
Packaging machinery manufacturing	<1	35	40	109
Industrial process furnace and oven manufacturing	<1	27	29	60
Fluid power cylinder and actuator manufacturing	<1	12	13	32
Fluid power pump and motor manufacturing	<1	8	10	26
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	21	23	63
Electronic computer manufacturing	<1	14	26	75
Computer storage device manufacturing	<1	<1	1	3
Computer terminals and other computer peripheral equipment manufacturing	<1	40,347	64,655	147,364
Telephone apparatus manufacturing	<1	38	64	191

Appendix

Broadcast and wireless communications equipment manufacturing	<1	43	65	147
Other communications equipment manufacturing	<1	207	347	768
Audio and video equipment manufacturing	<1	12	20	62
Printed circuit assembly (electronic assembly) manufacturing	<1	276	501	1,802
Bare printed circuit board manufacturing	<1	110	148	371
Semiconductor and related device manufacturing	<1	171	310	1,078
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	95	135	343
Electronic connector manufacturing	<1	88	135	361
Other electronic component manufacturing	<1	790	1,078	2,434
Electromedical and electrotherapeutic apparatus manufacturing	<1	35	65	156
Search, detection, and navigation instruments manufacturing	<1	18,237	26,632	51,518
Automatic environmental control manufacturing	<1	228	304	604
Industrial process variable instruments manufacturing	<1	70	109	247
Totalizing fluid meter and counting device manufacturing	<1	16	35	77
Electricity and signal testing instruments manufacturing	<1	718	1,134	3,442
Analytical laboratory instrument manufacturing	<1	26,152	44,283	89,134
Irradiation apparatus manufacturing	<1	<1	2	5
Watch, clock, and other measuring and controlling device manufacturing	<1	26	47	132
Blank magnetic and optical recording media manufacturing	<1	13	34	96
Software and other prerecorded and record reproducing	<1	170	241	497
Electric lamp bulb and part manufacturing	<1	280	542	984
Lighting fixture manufacturing	<1	314	480	1,180
Small electrical appliance manufacturing	<1	27	64	216

Appendix

Household cooking appliance manufacturing	<1	4	10	29
Household refrigerator and home freezer manufacturing	<1	5	11	32
Household laundry equipment manufacturing	<1	12	21	77
Other major household appliance manufacturing	<1	2	4	12
Power, distribution, and specialty transformer manufacturing	<1	23	37	97
Motor and generator manufacturing	<1	87	149	401
Switchgear and switchboard apparatus manufacturing	<1	54	93	222
Relay and industrial control manufacturing	<1	202	283	648
Storage battery manufacturing	<1	50	74	188
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	236	293	719
Other communication and energy wire manufacturing	<1	82	128	400
Wiring device manufacturing	<1	702	1,371	3,048
Carbon and graphite product manufacturing	<1	187	316	871
All other miscellaneous electrical equipment and component manufacturing	<1	33	39	107
Automobile manufacturing	<1	3	8	36
Light truck and utility vehicle manufacturing	<1	24	58	505
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	19	24	80
Truck trailer manufacturing	<1	3	4	11
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	171	191	507
Motor vehicle gasoline engine and engine parts manufacturing	<1	88	132	713
Motor vehicle electrical and electronic equipment manufacturing	<1	428	607	3,355
Motor vehicle transmission and power train parts manufacturing	<1	39	60	389
Motor vehicle seating and interior trim manufacturing	<1	18	21	84
Motor vehicle metal stamping	<1	44	53	170
Other motor vehicle parts manufacturing	<1	576	796	3,138

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	556	838	2,806
Aircraft manufacturing	<1	5	10	53
Aircraft engine and engine parts manufacturing	<1	14	23	93
Other aircraft parts and auxiliary equipment manufacturing	<1	18,384	24,541	54,770
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	3	3	15
Ship building and repairing	<1	132	152	439
Boat building	<1	29	36	143
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	2
Military armored vehicle, tank, and tank component manufacturing	<1	42	68	349
All other transportation equipment manufacturing	<1	106	165	802
Wood kitchen cabinet and countertop manufacturing	<1	1,062	1,253	3,130
Upholstered household furniture manufacturing	<1	105	115	394
Nonupholstered wood household furniture manufacturing	<1	87	94	272
Other household nonupholstered furniture manufacturing	<1	35	45	173
Institutional furniture manufacturing	<1	14	15	46
Wood office furniture manufacturing	<1	11	13	41
Custom architectural woodwork and millwork	<1	30	27	70
Office furniture, except wood, manufacturing	<1	1,737	2,265	7,744
Showcase, partition, shelving, and locker manufacturing	<1	168	203	502
Mattress manufacturing	<1	135	176	806
Blind and shade manufacturing	<1	20	20	73
Surgical and medical instrument manufacturing	<1	321	562	1,073
Surgical appliance and supplies manufacturing	<1	2,873	5,288	9,026
Dental equipment and supplies manufacturing	<1	49	80	179

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Ophthalmic goods manufacturing	<1	81	151	350
Dental laboratories	<1	250	260	398
Jewelry and silverware manufacturing	<1	516	746	1,482
Sporting and athletic goods manufacturing	<1	42	59	163
Doll, toy, and game manufacturing	<1	67	104	262
Office supplies (except paper) manufacturing	<1	192	273	819
Sign manufacturing	<1	558	490	1,110
Gasket, packing, and sealing device manufacturing	<1	133	162	358
Musical instrument manufacturing	<1	19	20	51
Fasteners, buttons, needles, and pins manufacturing	<1	51	67	164
Broom, brush, and mop manufacturing	<1	192	261	668
Burial casket manufacturing	<1	63	75	116
All other miscellaneous manufacturing	<1	405	535	1,333
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,726	10,146	21,312
Wholesale - Professional and commercial equipment and supplies	<1	26,836	41,345	65,931
Wholesale - Household appliances and electrical and electronic goods	<1	11,054	24,240	46,665
Wholesale - Machinery, equipment, and supplies	<1	11,209	20,178	32,070
Wholesale - Other durable goods merchant wholesalers	<1	20,519	34,426	61,191
Wholesale - Drugs and druggists' sundries	<1	15,828	38,351	66,912
Wholesale - Grocery and related product wholesalers	<1	20,699	27,008	48,080
Wholesale - Petroleum and petroleum products	<1	2,697	46,172	50,743
Wholesale - Other nondurable goods merchant wholesalers	<1	30,544	65,528	106,398
Wholesale - Wholesale electronic markets and agents and brokers	<1	19,835	20,606	23,624
Retail - Motor vehicle and parts dealers	<1	16,159	24,815	35,233
Retail - Furniture and home furnishings stores	<1	9,769	12,702	19,747
Retail - Electronics and appliance stores	<1	13,551	11,340	17,852

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Retail - Building material and garden equipment and supplies stores	<1	10,275	18,097	26,197
Retail - Food and beverage stores	<1	31,773	41,453	65,258
Retail - Health and personal care stores	<1	20,816	25,372	37,595
Retail - Gasoline stores	<1	7,287	12,093	22,034
Retail - Clothing and clothing accessories stores	<1	16,683	24,455	45,168
Retail - Sporting goods, hobby, musical instrument and book stores	<1	11,226	12,755	16,725
Retail - General merchandise stores	<1	22,576	33,715	54,285
Retail - Miscellaneous store retailers	<1	14,649	16,981	25,096
Retail - Nonstore retailers	<1	23,920	62,288	98,946
Air transportation	<1	23,163	54,794	85,998
Rail transportation	<1	2,994	4,025	8,476
Water transportation	<1	5,150	5,666	16,231
Truck transportation	<1	69,846	82,192	154,467
Transit and ground passenger transportation	<1	17,126	21,207	30,255
Pipeline transportation	<1	3,860	8,099	9,414
Scenic and sightseeing transportation and support activities for transportation	<1	39,734	42,847	71,694
Couriers and messengers	<1	13,903	19,087	30,382
Warehousing and storage	<1	21,024	24,655	45,170
Newspaper publishers	<1	5,284	9,781	11,148
Periodical publishers	<1	5,786	9,885	13,066
Book publishers	<1	3,248	11,342	14,803
Directory, mailing list, and other publishers	<1	6,233	19,013	23,761
Greeting card publishing	<1	7	21	33
Software publishers	<1	33,757	81,540	87,739
Motion picture and video industries	<1	8,777	12,953	26,416
Sound recording industries	<1	430	1,974	3,561
Radio and television broadcasting	<1	10,399	11,948	24,903
Cable and other subscription programming	<1	3,974	14,878	30,313
Wired telecommunications carriers	<1	29,267	63,814	98,545
Wireless telecommunications carriers (except satellite)	<1	2,290	15,756	36,897

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Satellite, telecommunications resellers, and all other telecommunications	<1	3,696	5,207	13,109
Data processing, hosting, and related services	<1	21,000	46,454	105,506
News syndicates, libraries, archives and all other information services	<1	3,817	7,187	12,133
Internet publishing and broadcasting and web search portals	<1	13,053	33,314	92,725
Nondepository credit intermediation and related activities	<1	28,676	32,267	52,813
Securities and commodity contracts intermediation and brokerage	<1	92,101	83,407	145,321
Monetary authorities and depository credit intermediation	<1	109,083	151,195	288,084
Other financial investment activities	<1	37,374	46,664	103,501
Direct life insurance carriers	<1	19,430	31,675	41,797
Insurance carriers, except direct life	<1	45,928	114,052	233,703
Insurance agencies, brokerages, and related activities	<1	66,237	94,162	182,721
Funds, trusts, and other financial vehicles	<1	6,161	8,022	57,545
Other real estate	5	104,000	314,066	850,058
Tenant-occupied housing	<1	10,164	123,631	143,735
Owner-occupied dwellings	0	0	430,748	546,816
Automotive equipment rental and leasing	<1	7,934	20,695	29,919
General and consumer goods rental except video tapes and discs	<1	6,574	9,258	15,605
Video tape and disc rental	<1	1,725	2,815	4,164
Commercial and industrial machinery and equipment rental and leasing	<1	11,867	27,911	40,420
Lessors of nonfinancial intangible assets	<1	1,617	24,115	26,997
Legal services	1	113,951	178,447	241,533
Accounting, tax preparation, bookkeeping, and payroll services	<1	48,228	63,395	84,692
Architectural, engineering, and related services	<1	54,315	60,098	98,658
Specialized design services	<1	4,570	7,560	11,104
Custom computer programming services	<1	23,415	25,895	34,621

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Computer systems design services	<1	26,127	26,990	33,206
Other computer related services, including facilities management	<1	10,274	19,457	29,404
Management consulting services	<1	109,019	115,158	168,554
Environmental and other technical consulting services	<1	14,188	15,172	21,380
Scientific research and development services	15	1,981,771	2,429,981	4,029,502
Advertising, public relations, and related services	<1	35,533	49,007	79,648
Photographic services	<1	1,062	2,891	5,055
Veterinary services	<1	4,892	6,115	8,964
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	33,335	60,347	92,651
Management of companies and enterprises	1	207,232	239,573	343,259
Office administrative services	<1	36,299	16,157	29,759
Facilities support services	<1	3,124	4,418	8,210
Employment services	2	118,282	163,064	235,624
Business support services	<1	43,567	36,639	50,438
Travel arrangement and reservation services	<1	9,739	12,283	23,182
Investigation and security services	<1	19,732	19,633	27,003
Services to buildings	<1	26,546	35,628	60,372
Landscape and horticultural services	<1	28,769	35,007	55,695
Other support services	<1	15,486	19,321	30,801
Waste management and remediation services	<1	12,480	22,849	38,212
Elementary and secondary schools	<1	21,156	20,057	23,028
Junior colleges, colleges, universities, and professional schools	12	598,452	903,152	1,150,914
Other educational services	<1	18,399	21,990	38,626
Offices of physicians	<1	119,224	124,774	168,982
Offices of dentists	<1	23,244	27,574	38,675
Offices of other health practitioners	<1	19,103	25,376	33,355
Outpatient care centers	<1	27,199	25,036	40,810
Medical and diagnostic laboratories	<1	9,831	12,962	18,356
Home health care services	<1	27,294	26,378	34,305
Other ambulatory health care services	<1	6,923	7,580	11,893

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Hospitals	2	152,087	179,201	331,004
Nursing and community care facilities	<1	28,189	30,356	50,088
Residential mental retardation, mental health, substance abuse and other facilities	<1	12,288	12,847	19,427
Individual and family services	<1	27,451	23,149	33,181
Child day care services	<1	15,349	20,757	28,130
Community food, housing, and other relief services, including rehabilitation services	<1	6,212	6,440	13,477
Performing arts companies	<1	3,005	4,775	7,377
Commercial Sports Except Racing	<1	13,577	12,765	17,237
Racing and Track Operation	<1	827	1,908	2,858
Independent artists, writers, and performers	<1	2,261	9,761	12,250
Promoters of performing arts and sports and agents for public figures	<1	3,720	8,225	13,407
Museums, historical sites, zoos, and parks	<1	710	987	1,774
Amusement parks and arcades	<1	1,429	3,308	4,462
Gambling industries (except casino hotels)	<1	5,332	11,515	17,807
Other amusement and recreation industries	<1	7,317	8,568	14,578
Fitness and recreational sports centers	<1	6,099	8,269	14,412
Bowling centers	<1	555	837	1,417
Hotels and motels, including casino hotels	<1	10,901	18,820	28,954
Other accommodations	<1	2,375	3,311	4,315
Full-service restaurants	2	41,635	58,459	100,616
Limited-service restaurants	1	24,345	37,097	78,855
All other food and drinking places	<1	31,643	42,519	64,176
Automotive repair and maintenance, except car washes	<1	34,638	39,454	56,016
Car washes	<1	15,940	24,080	35,243
Electronic and precision equipment repair and maintenance	<1	10,012	12,556	18,218
Commercial and industrial machinery and equipment repair and maintenance	<1	12,986	13,320	18,258
Personal and household goods repair and maintenance	<1	4,543	8,331	11,236
Personal care services	<1	21,678	18,726	25,033
Death care services	<1	4,066	2,319	3,239

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Dry-cleaning and laundry services	<1	9,647	5,143	7,145
Other personal services	<1	8,129	10,171	14,322
Religious organizations	<1	30,872	16,663	53,288
Grantmaking, giving, and social advocacy organizations	<1	20,016	68,628	99,049
Business and professional associations	<1	8,436	15,030	24,416
Labor and civic organizations	<1	7,380	21,772	36,243
Private households	<1	6,994	6,994	6,994
Postal service	<1	17,833	17,837	18,958
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	57,217	65,571	278,726
State government passenger transit	<1	5,370	-3,058	7,433
State government electric utilities	0	0	0	0
Other state government enterprises	<1	40,895	44,567	75,696
Local government passenger transit	<1	324	-251	583
Local government electric utilities	<1	185	502	958
Other local government enterprises	<1	9,743	15,880	32,623
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	3	536,572	684,405	1,565,731

New Mexico

NASA

Table 718: Detailed NASA Impacts by Types of Impact, New Mexico

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	855	52,473,281	83,009,670	177,793,361
Oilseed farming	<1	26	27	116
Grain farming	<1	10,067	-975	46,596
Vegetable and melon farming	<1	16,132	28,125	40,489
Fruit farming	<1	2,175	4,103	4,492
Tree nut farming	<1	19,058	37,083	40,251
Greenhouse, nursery, and floriculture production	<1	7,763	10,636	14,390
Tobacco farming	0	0	0	0
Cotton farming	<1	2,025	2,719	3,564
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	19,068	24,280	35,904
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	10,918	26,142	68,788
Dairy cattle and milk production	<1	14,407	27,629	121,453
Poultry and egg production	<1	1,906	2,569	21,540
Animal production, except cattle and poultry and eggs	<1	20,269	42,181	59,192
Forestry, forest products, and timber tract production	<1	727	780	955
Commercial logging	<1	3,961	4,101	5,923
Commercial fishing	<1	1,646	1,759	1,872
Commercial hunting and trapping	<1	4,613	6,376	9,473
Support activities for agriculture and forestry	1	41,020	39,692	50,100
Oil and gas extraction	2	224,162	1,685,299	2,159,759
Coal mining	1	165,371	516,107	784,807
Copper, nickel, lead, and zinc mining	<1	50,018	193,093	301,578
Iron ore mining	0	0	0	0
Gold ore mining	<1	3,149	8,079	12,305
Silver ore mining	<1	1,099	2,615	4,608
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	130	271	455
Stone mining and quarrying	<1	1,069	4,396	7,769
Sand and gravel mining	<1	2,924	7,726	13,647

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	1,372	2,598	3,602
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	1,012	2,708	4,485
Other nonmetallic minerals	<1	1,116	2,714	5,165
Drilling oil and gas wells	<1	37	89	184
Support activities for oil and gas operations	<1	2,728	4,251	8,712
Metal mining services	<1	1,572	12,457	19,898
Other nonmetallic minerals services	<1	187	1,458	2,219
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	1	186,443	673,002	1,907,657
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	6,234	23,963	67,100
Electric power generation - Wind	<1	14,344	116,272	250,652
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,853	7,867	23,358
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	4	484,834	1,668,635	4,950,735
Natural gas distribution	<1	73,429	198,490	489,977
Water, sewage and other systems	<1	9,035	18,294	40,921
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	102,270	143,554	370,792
Maintenance and repair construction of residential structures	1	64,585	90,346	230,663
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	61	85	221
Dog and cat food manufacturing	<1	600	1,842	7,757
Other animal food manufacturing	<1	1,439	2,470	23,416
Flour milling	<1	1,814	3,557	24,662
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	15,857	40,773	134,262
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	401	634	2,862
Chocolate and confectionery manufacturing from cacao beans	<1	108	171	1,572
Confectionery manufacturing from purchased chocolate	<1	165	237	2,549
Frozen fruits, juices and vegetables manufacturing	<1	11,732	24,573	131,723
Frozen specialties manufacturing	<1	8,002	11,559	64,708
Canned fruits and vegetables manufacturing	<1	2,848	6,095	33,991
Canned specialties	<1	6,915	18,544	112,515
Dehydrated food products manufacturing	<1	611	1,160	5,672
Cheese manufacturing	<1	23,968	35,220	344,746
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	4,335	7,118	49,051
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	305	435	2,130
Frozen cakes and other pastries manufacturing	<1	3,910	5,532	10,777

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Poultry processing	<1	148	187	794
Animal, except poultry, slaughtering	<1	1,252	1,583	19,147
Meat processed from carcasses	<1	5,644	5,519	75,831
Rendering and meat byproduct processing	<1	142	175	996
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	11,795	16,947	46,547
Cookie and cracker manufacturing	<1	234	355	3,182
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	4,177	5,265	21,090
Roasted nuts and peanut butter manufacturing	<1	1,664	3,566	15,424
Other snack food manufacturing	<1	1,691	2,193	12,158
Coffee and tea manufacturing	<1	124	240	1,864
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	2,379	4,111	23,383
All other food manufacturing	<1	1,878	2,866	20,918
Bottled and canned soft drinks & water	<1	4,628	7,997	44,016
Manufactured ice	<1	368	230	1,244
Breweries	<1	10,383	23,755	97,665
Wineries	<1	3,633	5,937	24,514
Distilleries	<1	105	607	2,316
Tobacco product manufacturing	<1	1,588	44,492	110,421
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	38	90	669
Narrow fabric mills and schiffli machine embroidery	<1	32	38	225
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	28
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	331	940	10,296
Curtain and linen mills	<1	6	10	41
Textile bag and canvas mills	<1	174	253	892
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	223	327	1,315
Hosiery and sock mills	<1	20	35	80

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Other apparel knitting mills	<1	172	168	707
Cut and sew apparel contractors	<1	238	255	821
Mens and boys cut and sew apparel manufacturing	<1	27	37	136
Womens and girls cut and sew apparel manufacturing	<1	33	34	292
Other cut and sew apparel manufacturing	<1	18	29	111
Apparel accessories and other apparel manufacturing	<1	82	75	405
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	31	31	517
Other leather and allied product manufacturing	<1	12	11	126
Sawmills	<1	1,352	2,114	13,051
Wood preservation	<1	171	451	1,952
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	532	790	3,347
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	4,649	6,359	22,456
Cut stock, resawing lumber, and planing	<1	567	981	3,485
Other millwork, including flooring	<1	1,467	2,305	8,938
Wood container and pallet manufacturing	<1	1,138	1,534	5,888
Manufactured home (mobile home) manufacturing	<1	19	24	87
Prefabricated wood building manufacturing	<1	488	666	2,599
All other miscellaneous wood product manufacturing	<1	859	1,252	4,856
Pulp mills	0	0	0	0
Paper mills	<1	5,804	19,117	77,003
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,147	6,210	25,902
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	530	1,007	4,052
Sanitary paper product manufacturing	<1	5,519	26,492	70,635
All other converted paper product manufacturing	<1	249	460	1,540

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Printing	<1	25,500	40,304	106,657
Support activities for printing	<1	186	285	535
Petroleum refineries	<1	55,051	346,961	1,954,656
Asphalt paving mixture and block manufacturing	<1	248	373	2,393
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	24,749	69,229	183,417
All other petroleum and coal products manufacturing	<1	1,639	6,022	18,421
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	32,787	42,982	227,014
Synthetic dye and pigment manufacturing	<1	265	342	1,370
Other basic inorganic chemical manufacturing	<1	3,456	4,788	19,606
Other basic organic chemical manufacturing	<1	754	1,017	8,749
Plastics material and resin manufacturing	<1	60	77	1,344
Synthetic rubber manufacturing	<1	96	114	905
Artificial and synthetic fibers and filaments manufacturing	<1	2,473	2,464	27,372
Nitrogenous fertilizer manufacturing	<1	698	1,066	8,001
Phosphatic fertilizer manufacturing	<1	10	14	50
Fertilizer mixing	<1	217	292	1,901
Pesticide and other agricultural chemical manufacturing	<1	71	122	650
Medicinal and botanical manufacturing	<1	429	482	3,345
Pharmaceutical preparation manufacturing	<1	1,797	3,376	23,346
In-vitro diagnostic substance manufacturing	<1	10	12	47
Biological product (except diagnostic) manufacturing	<1	11	15	59
Paint and coating manufacturing	<1	151	194	1,186
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	37	69	878
Polish and other sanitation good manufacturing	<1	120	139	539
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	408	712	5,039
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	195	254	1,478
Photographic film and chemical manufacturing	<1	201	284	1,675
Other miscellaneous chemical product manufacturing	<1	339	409	2,458
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	788	2,462	9,480
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	274	1,819	5,069
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	63	247	759
Polystyrene foam product manufacturing	<1	1,009	3,346	12,595
Urethane and other foam product (except polystyrene) manufacturing	<1	852	2,569	9,935
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	2,395	6,088	22,969
Tire manufacturing	<1	274	618	3,149
Rubber and plastics hoses and belting manufacturing	<1	62	147	436
Other rubber product manufacturing	<1	598	1,415	5,350
Pottery, ceramics, and plumbing fixture manufacturing	<1	-91	74	884
Brick, tile, and other structural clay product manufacturing	<1	-379	1,340	4,961
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	-927	2,515	6,276
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	-569	5,334	15,917
Cement manufacturing	<1	-142	708	2,199
Ready-mix concrete manufacturing	<1	-3,810	9,731	47,347
Concrete block and brick manufacturing	<1	-461	3,245	10,073
Concrete pipe manufacturing	<1	-316	355	1,502
Other concrete product manufacturing	<1	-618	890	5,217
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	-47	11,660	26,985

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Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	-448	464	4,275
Ground or treated mineral and earth manufacturing	<1	343	8,516	17,054
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	-234	3,217	6,825
Iron and steel mills and ferroalloy manufacturing	<1	436	645	7,050
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	25	31	264
Alumina refining and primary aluminum production	<1	24	32	443
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	125	342	2,590
Copper rolling, drawing, extruding and alloying	<1	547	694	10,233
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	133	181	1,985
Ferrous metal foundries	<1	27	34	164
Nonferrous metal foundries	<1	2	3	7
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	913	990	3,994
Iron and steel forging	<1	615	746	5,902
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	231	315	1,595
Handtool manufacturing	<1	76	92	275
Prefabricated metal buildings and components manufacturing	<1	39	44	240
Fabricated structural metal manufacturing	<1	1,403	1,607	7,551
Plate work manufacturing	<1	953	983	2,887
Metal window and door manufacturing	<1	1,409	1,569	6,085
Sheet metal work manufacturing	<1	483	531	2,011

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Ornamental and architectural metal work manufacturing	<1	1,330	1,444	5,637
Power boiler and heat exchanger manufacturing	<1	38	43	176
Metal tank (heavy gauge) manufacturing	<1	364	397	1,639
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	55	66	349
Spring and wire product manufacturing	<1	313	349	1,498
Machine shops	<1	2,905	3,118	8,471
Turned product and screw, nut, and bolt manufacturing	<1	317	364	1,450
Metal heat treating	<1	199	227	722
Metal coating and nonprecious engraving	<1	449	547	1,858
Electroplating, anodizing, and coloring metal	<1	881	925	2,449
Valve and fittings, other than plumbing, manufacturing	<1	36	43	161
Plumbing fixture fitting and trim manufacturing	<1	197	307	1,760
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	20	26	72
Ammunition, except for small arms, manufacturing	<1	3	4	9
Small arms, ordnance, and accessories manufacturing	<1	101	128	485
Fabricated pipe and pipe fitting manufacturing	<1	415	445	1,748
Other fabricated metal manufacturing	<1	2,506	2,717	9,371
Farm machinery and equipment manufacturing	<1	135	197	1,122
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	184	334	1,544
Mining machinery and equipment manufacturing	<1	91	124	432
Oil and gas field machinery and equipment manufacturing	<1	916	1,280	6,296
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	1

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	2	3	10
All other industrial machinery manufacturing	<1	3	4	15
Optical instrument and lens manufacturing	<1	12	15	54
Photographic and photocopying equipment manufacturing	<1	12	15	84
Other commercial service industry machinery manufacturing	<1	46	64	250
Air purification and ventilation equipment manufacturing	<1	70	86	303
Heating equipment (except warm air furnaces) manufacturing	<1	214	281	1,137
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	29	32	96
Special tool, die, jig, and fixture manufacturing	<1	8	9	26
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	<1	<1	1	5
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	47	62	241
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	16	27	183
Pump and pumping equipment manufacturing	<1	6	8	34
Air and gas compressor manufacturing	<1	15	22	127
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	8	12	53
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	6	8	31
Packaging machinery manufacturing	<1	5	6	20
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	13	14	31
Electronic computer manufacturing	<1	14	28	77
Computer storage device manufacturing	<1	21	52	203
Computer terminals and other computer peripheral equipment manufacturing	<1	16,949	28,411	53,796
Telephone apparatus manufacturing	<1	8	13	34
Broadcast and wireless communications equipment manufacturing	<1	6	9	25
Other communications equipment manufacturing	<1	15	24	68
Audio and video equipment manufacturing	<1	102	173	747
Printed circuit assembly (electronic assembly) manufacturing	<1	168	294	1,343
Bare printed circuit board manufacturing	<1	83	108	276
Semiconductor and related device manufacturing	<1	3,775	6,238	18,300
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	129	182	465
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	517	691	2,021
Electromedical and electrotherapeutic apparatus manufacturing	<1	65	124	351
Search, detection, and navigation instruments manufacturing	<1	13	22	48
Automatic environmental control manufacturing	<1	630	828	1,472

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Industrial process variable instruments manufacturing	<1	31	48	125
Totalizing fluid meter and counting device manufacturing	<1	86	184	580
Electricity and signal testing instruments manufacturing	<1	50	81	388
Analytical laboratory instrument manufacturing	<1	12,306	20,849	42,907
Irradiation apparatus manufacturing	<1	<1	1	3
Watch, clock, and other measuring and controlling device manufacturing	<1	8	14	28
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	390	560	1,444
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	375	824	2,141
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	14	31	70
Motor and generator manufacturing	<1	87	242	546
Switchgear and switchboard apparatus manufacturing	<1	9	25	41
Relay and industrial control manufacturing	<1	67	129	272
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	4,435	20,537	32,485
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	21	49	153
Wiring device manufacturing	<1	90	297	635
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2,612	3,733	15,753
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	3	11
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	<1	8	13	45
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	3,341	4,081	14,045
Motor vehicle gasoline engine and engine parts manufacturing	<1	39	82	522
Motor vehicle electrical and electronic equipment manufacturing	<1	146	264	1,231
Motor vehicle transmission and power train parts manufacturing	<1	103	216	914
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	39	59	238
Other motor vehicle parts manufacturing	<1	58	106	665
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	196	443	1,762
Aircraft manufacturing	<1	7	7	41
Aircraft engine and engine parts manufacturing	<1	56	69	314
Other aircraft parts and auxiliary equipment manufacturing	<1	15	16	69
Guided missile and space vehicle manufacturing	<1	15	16	56
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	1	1	8
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	18	23	162
Wood kitchen cabinet and countertop manufacturing	<1	1,100	1,133	4,535
Upholstered household furniture manufacturing	<1	10	11	58

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Nonupholstered wood household furniture manufacturing	<1	161	160	781
Other household nonupholstered furniture manufacturing	<1	39	44	328
Institutional furniture manufacturing	<1	31	32	150
Wood office furniture manufacturing	<1	1,049	1,109	5,571
Custom architectural woodwork and millwork	<1	33	30	121
Office furniture, except wood, manufacturing	1	51,059	57,681	344,357
Showcase, partition, shelving, and locker manufacturing	<1	478	499	2,366
Mattress manufacturing	<1	459	522	3,687
Blind and shade manufacturing	<1	61	62	298
Surgical and medical instrument manufacturing	<1	68	96	395
Surgical appliance and supplies manufacturing	<1	659	972	4,584
Dental equipment and supplies manufacturing	<1	3	4	16
Ophthalmic goods manufacturing	<1	29	42	138
Dental laboratories	<1	383	390	924
Jewelry and silverware manufacturing	<1	4,341	5,411	21,036
Sporting and athletic goods manufacturing	<1	42	51	342
Doll, toy, and game manufacturing	<1	40	49	251
Office supplies (except paper) manufacturing	<1	683	834	4,752
Sign manufacturing	<1	2,985	2,517	9,276
Gasket, packing, and sealing device manufacturing	<1	181	202	834
Musical instrument manufacturing	<1	16	16	60
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	567	647	2,340
All other miscellaneous manufacturing	<1	1,670	2,003	8,222
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	32,211	61,651	168,648
Wholesale - Professional and commercial equipment and supplies	1	115,782	169,664	344,175

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Wholesale - Household appliances and electrical and electronic goods	<1	25,789	50,660	130,026
Wholesale - Machinery, equipment, and supplies	<1	62,558	104,437	205,899
Wholesale - Other durable goods merchant wholesalers	3	141,412	219,712	524,432
Wholesale - Drugs and druggists' sundries	<1	45,330	104,115	249,678
Wholesale - Grocery and related product wholesalers	2	120,368	151,479	352,728
Wholesale - Petroleum and petroleum products	<1	37,265	342,648	426,122
Wholesale - Other nondurable goods merchant wholesalers	2	135,178	256,069	588,697
Wholesale - Wholesale electronic markets and agents and brokers	1	81,403	83,950	107,157
Retail - Motor vehicle and parts dealers	3	149,466	234,259	347,997
Retail - Furniture and home furnishings stores	2	65,323	87,322	150,305
Retail - Electronics and appliance stores	2	73,750	83,707	145,919
Retail - Building material and garden equipment and supplies stores	2	82,100	156,312	239,093
Retail - Food and beverage stores	7	218,009	298,092	499,752
Retail - Health and personal care stores	3	142,358	178,808	280,521
Retail - Gasoline stores	3	69,577	125,420	256,341
Retail - Clothing and clothing accessories stores	3	102,082	153,342	310,308
Retail - Sporting goods, hobby, musical instrument and book stores	3	59,689	80,479	140,477
Retail - General merchandise stores	8	252,530	361,795	602,520
Retail - Miscellaneous store retailers	5	132,095	156,997	258,123
Retail - Nonstore retailers	5	67,582	270,275	654,484
Air transportation	<1	57,951	182,445	340,839
Rail transportation	<1	32,392	170,117	220,717
Water transportation	<1	6,171	5,627	21,416
Truck transportation	5	326,725	394,226	754,931
Transit and ground passenger transportation	4	62,211	83,695	120,666
Pipeline transportation	<1	96,801	157,190	201,174
Scenic and sightseeing transportation and support activities for transportation	2	108,772	123,905	281,976

Appendix

Couriers and messengers	2	98,767	145,084	227,678
Warehousing and storage	2	52,571	59,330	137,037
Newspaper publishers	<1	34,917	77,462	98,467
Periodical publishers	<1	12,771	25,888	45,516
Book publishers	<1	5,855	26,351	43,383
Directory, mailing list, and other publishers	<1	38,238	150,607	200,401
Greeting card publishing	<1	965	3,715	4,436
Software publishers	1	82,881	251,986	287,745
Motion picture and video industries	1	90,736	242,890	379,633
Sound recording industries	<1	3,415	46,179	60,762
Radio and television broadcasting	1	77,788	93,495	388,803
Cable and other subscription programming	<1	785	3,607	15,745
Wired telecommunications carriers	<1	103,527	170,032	386,655
Wireless telecommunications carriers (except satellite)	<1	48,981	194,099	782,530
Satellite, telecommunications resellers, and all other telecommunications	<1	19,182	24,379	72,890
Data processing, hosting, and related services	2	99,373	239,075	720,668
News syndicates, libraries, archives and all other information services	<1	25,809	50,685	120,307
Internet publishing and broadcasting and web search portals	<1	19,793	53,484	218,835
Nondepository credit intermediation and related activities	3	176,640	222,689	448,197
Securities and commodity contracts intermediation and brokerage	3	164,935	148,254	360,424
Monetary authorities and depository credit intermediation	6	434,661	1,040,587	2,106,244
Other financial investment activities	2	121,917	158,055	484,594
Direct life insurance carriers	<1	12,453	22,976	40,910
Insurance carriers, except direct life	4	314,198	892,771	2,337,954
Insurance agencies, brokerages, and related activities	10	570,072	821,949	2,497,034
Funds, trusts, and other financial vehicles	2	75,249	91,807	516,077
Other real estate	24	422,542	2,021,713	4,829,404
Tenant-occupied housing	3	46,048	1,015,835	1,135,718

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Owner-occupied dwellings	0	0	3,545,119	4,500,374
Automotive equipment rental and leasing	2	61,206	309,980	427,487
General and consumer goods rental except video tapes and discs	1	43,234	62,835	126,955
Video tape and disc rental	<1	11,544	22,150	36,845
Commercial and industrial machinery and equipment rental and leasing	2	114,357	550,591	724,751
Lessors of nonfinancial intangible assets	<1	3,923	50,729	69,197
Legal services	6	439,277	600,675	922,841
Accounting, tax preparation, bookkeeping, and payroll services	3	179,178	302,826	448,392
Architectural, engineering, and related services	4	325,371	401,109	690,671
Specialized design services	<1	18,756	45,013	65,209
Custom computer programming services	<1	77,234	98,587	136,868
Computer systems design services	1	88,304	96,603	125,986
Other computer related services, including facilities management	1	77,065	173,414	315,712
Management consulting services	12	896,902	991,336	1,632,976
Environmental and other technical consulting services	89	6,713,030	7,534,183	11,396,539
Scientific research and development services	95	8,521,491	9,623,334	19,941,760
Advertising, public relations, and related services	2	62,699	116,117	248,409
Photographic services	<1	8,412	33,850	56,612
Veterinary services	<1	43,273	65,762	98,814
Marketing research and all other miscellaneous professional, scientific, and technical services	1	85,087	222,726	355,175
Management of companies and enterprises	5	450,814	528,477	1,029,844
Office administrative services	2	121,254	48,279	123,441
Facilities support services	<1	42,373	63,004	128,928
Employment services	16	631,473	929,320	1,396,859
Business support services	17	664,127	562,091	1,060,519
Travel arrangement and reservation services	<1	20,977	27,690	71,899
Investigation and security services	3	114,941	114,357	174,374
Services to buildings	4	88,960	126,679	263,523
Landscape and horticultural services	15	494,699	625,322	1,166,693

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Other support services	2	79,311	99,825	201,462
Waste management and remediation services	1	112,666	192,723	325,079
Elementary and secondary schools	4	131,172	127,452	153,863
Junior colleges, colleges, universities, and professional schools	24	696,638	1,101,721	1,600,742
Other educational services	4	115,359	136,690	279,387
Offices of physicians	9	787,598	836,122	1,256,694
Offices of dentists	4	219,522	286,061	416,843
Offices of other health practitioners	3	157,977	242,637	331,794
Outpatient care centers	4	286,781	267,953	476,413
Medical and diagnostic laboratories	1	84,712	129,013	187,279
Home health care services	10	256,565	251,057	372,348
Other ambulatory health care services	1	63,269	72,141	119,055
Hospitals	15	1,335,594	1,579,655	2,955,322
Nursing and community care facilities	5	205,811	231,425	407,553
Residential mental retardation, mental health, substance abuse and other facilities	2	77,545	84,191	136,511
Individual and family services	12	291,131	284,166	438,739
Child day care services	3	77,217	135,663	176,268
Community food, housing, and other relief services, including rehabilitation services	2	79,557	83,808	180,381
Performing arts companies	3	37,887	50,482	128,773
Commercial Sports Except Racing	2	29,655	28,587	64,272
Racing and Track Operation	<1	810	1,288	2,930
Independent artists, writers, and performers	3	38,878	96,937	206,801
Promoters of performing arts and sports and agents for public figures	2	29,059	46,474	144,571
Museums, historical sites, zoos, and parks	<1	18,824	24,327	44,857
Amusement parks and arcades	<1	26,306	36,585	48,920
Gambling industries (except casino hotels)	2	42,084	114,582	195,200
Other amusement and recreation industries	2	46,593	50,184	95,974
Fitness and recreational sports centers	2	29,328	36,952	73,707
Bowling centers	<1	7,151	10,197	19,842

Appendix

Hotels and motels, including casino hotels	<1	24,180	49,128	86,256
Other accommodations	<1	4,253	6,276	8,585
Full-service restaurants	20	517,072	762,596	1,311,254
Limited-service restaurants	17	365,542	590,292	1,274,977
All other food and drinking places	10	275,739	403,869	615,399
Automotive repair and maintenance, except car washes	6	261,563	356,919	525,921
Car washes	3	139,358	223,416	344,275
Electronic and precision equipment repair and maintenance	4	200,343	251,647	456,434
Commercial and industrial machinery and equipment repair and maintenance	2	119,972	98,825	170,346
Personal and household goods repair and maintenance	<1	25,432	52,285	77,849
Personal care services	4	97,747	101,193	133,599
Death care services	<1	25,876	19,667	28,376
Dry-cleaning and laundry services	2	59,084	42,547	57,750
Other personal services	3	83,173	121,230	171,376
Religious organizations	9	379,460	172,224	692,297
Grantmaking, giving, and social advocacy organizations	6	283,223	956,583	1,510,199
Business and professional associations	1	70,973	142,170	246,186
Labor and civic organizations	2	53,060	167,456	293,411
Private households	3	54,169	54,160	54,160
Postal service	2	154,693	154,864	165,426
Federal electric utilities	0	0	0	0
Other federal government enterprises	101	1,872,758	6,540,080	25,883,498
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	45,781	-36,106	47,691
Local government electric utilities	<1	68,329	176,987	360,802
Other local government enterprises	5	319,964	685,862	1,532,013
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	77	13,127,779	16,484,956	37,632,280

Moon to Mars Campaign

Table 719: Detailed M2M Campaign Impacts by Types of Impact, New Mexico

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>61</i>	<i>4,311,404</i>	<i>6,282,957</i>	<i>12,198,666</i>
Oilseed farming	<1	2	3	14
Grain farming	<1	643	-68	3,041
Vegetable and melon farming	<1	1,234	2,204	3,168
Fruit farming	<1	175	334	367
Tree nut farming	<1	2,083	4,066	4,364
Greenhouse, nursery, and floriculture production	<1	401	560	751
Tobacco farming	0	0	0	0
Cotton farming	<1	131	182	234
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,177	1,548	2,272
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	832	1,850	4,661
Dairy cattle and milk production	<1	1,091	1,961	8,176
Poultry and egg production	<1	128	189	1,428
Animal production, except cattle and poultry and eggs	<1	1,307	3,145	4,464
Forestry, forest products, and timber tract production	<1	69	74	88
Commercial logging	<1	335	349	485
Commercial fishing	<1	123	115	123
Commercial hunting and trapping	<1	409	379	544
Support activities for agriculture and forestry	<1	3,399	3,276	4,145
Oil and gas extraction	<1	7,270	67,446	93,010

Appendix

Coal mining	<1	2,646	7,671	12,006
Copper, nickel, lead, and zinc mining	<1	1,965	8,056	11,824
Iron ore mining	0	0	0	0
Gold ore mining	<1	82	211	329
Silver ore mining	<1	58	138	240
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	8	16	26
Stone mining and quarrying	<1	94	336	605
Sand and gravel mining	<1	326	787	1,361
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	104	186	258
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	81	181	296
Other nonmetallic minerals	<1	118	274	518
Drilling oil and gas wells	<1	3	6	13
Support activities for oil and gas operations	<1	100	162	335
Metal mining services	<1	106	970	1,555
Other nonmetallic minerals services	<1	13	126	184
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	4,697	16,514	43,271
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	107	433	1,188
Electric power generation - Wind	<1	238	1,934	4,047
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	32	149	407
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	9,735	33,935	95,609
Natural gas distribution	<1	4,167	11,618	27,449
Water, sewage and other systems	<1	509	1,028	2,178
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,371	11,845	29,980
Maintenance and repair construction of residential structures	<1	5,292	7,439	18,673
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	7	17
Dog and cat food manufacturing	<1	40	129	528
Other animal food manufacturing	<1	116	208	1,888
Flour milling	<1	68	135	931
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	909	2,403	7,455
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	35	55	236
Chocolate and confectionery manufacturing from cacao beans	<1	12	19	167
Confectionery manufacturing from purchased chocolate	<1	12	18	179
Frozen fruits, juices and vegetables manufacturing	<1	642	1,395	6,750
Frozen specialties manufacturing	<1	408	589	3,250
Canned fruits and vegetables manufacturing	<1	189	408	2,226

Appendix

Canned specialties	<1	334	866	5,261
Dehydrated food products manufacturing	<1	36	68	326
Cheese manufacturing	<1	1,233	1,808	17,868
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	312	526	3,563
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	13	19	85
Frozen cakes and other pastries manufacturing	<1	299	422	812
Poultry processing	<1	8	11	44
Animal, except poultry, slaughtering	<1	59	76	907
Meat processed from carcasses	<1	455	451	6,126
Rendering and meat byproduct processing	<1	12	14	81
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	878	1,267	3,447
Cookie and cracker manufacturing	<1	21	33	271
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	310	389	1,550
Roasted nuts and peanut butter manufacturing	<1	141	315	1,275
Other snack food manufacturing	<1	133	175	945
Coffee and tea manufacturing	<1	6	12	92
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	177	315	1,663
All other food manufacturing	<1	144	221	1,561
Bottled and canned soft drinks & water	<1	320	568	3,041
Manufactured ice	<1	27	18	88
Breweries	<1	616	1,480	5,927
Wineries	<1	391	647	2,564
Distilleries	<1	7	43	155
Tobacco product manufacturing	<1	156	5,217	11,865
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	2	6	41
Narrow fabric mills and schiffli machine embroidery	<1	3	4	24

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	3
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	31	98	920
Curtain and linen mills	<1	<1	<1	4
Textile bag and canvas mills	<1	13	19	66
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	22	32	125
Hosiery and sock mills	<1	1	3	5
Other apparel knitting mills	<1	13	12	50
Cut and sew apparel contractors	<1	11	12	37
Mens and boys cut and sew apparel manufacturing	<1	3	4	14
Womens and girls cut and sew apparel manufacturing	<1	4	4	32
Other cut and sew apparel manufacturing	<1	2	3	11
Apparel accessories and other apparel manufacturing	<1	8	8	39
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	3	3	42
Other leather and allied product manufacturing	<1	1	1	12
Sawmills	<1	107	168	1,045
Wood preservation	<1	12	32	142
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	76	111	472
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	461	635	2,215
Cut stock, resawing lumber, and planing	<1	48	84	296
Other millwork, including flooring	<1	162	255	958
Wood container and pallet manufacturing	<1	77	106	396
Manufactured home (mobile home) manufacturing	<1	1	2	6
Prefabricated wood building manufacturing	<1	35	47	187
All other miscellaneous wood product manufacturing	<1	83	124	447
Pulp mills	0	0	0	0

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Paper mills	<1	385	1,176	5,057
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	269	529	2,192
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	48	90	351
Sanitary paper product manufacturing	<1	449	2,001	5,614
All other converted paper product manufacturing	<1	19	34	118
Printing	<1	2,424	3,911	9,813
Support activities for printing	<1	13	19	36
Petroleum refineries	<1	3,257	20,133	113,246
Asphalt paving mixture and block manufacturing	<1	21	31	193
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	932	2,574	6,269
All other petroleum and coal products manufacturing	<1	100	348	1,050
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	135	189	964
Synthetic dye and pigment manufacturing	<1	24	32	131
Other basic inorganic chemical manufacturing	<1	218	324	1,279
Other basic organic chemical manufacturing	<1	53	72	636
Plastics material and resin manufacturing	<1	4	5	95
Synthetic rubber manufacturing	<1	9	11	90
Artificial and synthetic fibers and filaments manufacturing	<1	12	14	116
Nitrogenous fertilizer manufacturing	<1	45	70	488
Phosphatic fertilizer manufacturing	<1	<1	<1	3
Fertilizer mixing	<1	10	14	87
Pesticide and other agricultural chemical manufacturing	<1	4	7	38
Medicinal and botanical manufacturing	<1	45	53	339
Pharmaceutical preparation manufacturing	<1	190	373	2,451
In-vitro diagnostic substance manufacturing	<1	2	2	7

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Biological product (except diagnostic) manufacturing	<1	2	2	8
Paint and coating manufacturing	<1	22	30	180
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	4	8	88
Polish and other sanitation good manufacturing	<1	13	15	55
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	41	75	506
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	17	23	128
Photographic film and chemical manufacturing	<1	23	34	190
Other miscellaneous chemical product manufacturing	<1	27	34	206
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	80	250	942
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	24	157	437
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	4	16	49
Polystyrene foam product manufacturing	<1	78	258	979
Urethane and other foam product (except polystyrene) manufacturing	<1	70	211	808
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	189	484	1,765
Tire manufacturing	<1	16	37	192
Rubber and plastics hoses and belting manufacturing	<1	5	11	34
Other rubber product manufacturing	<1	68	160	618
Pottery, ceramics, and plumbing fixture manufacturing	<1	-7	6	70
Brick, tile, and other structural clay product manufacturing	<1	-33	114	434
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	-28	75	187
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	-19	172	522
Cement manufacturing	<1	-15	75	237
Ready-mix concrete manufacturing	<1	-447	1,117	5,457
Concrete block and brick manufacturing	<1	-53	358	1,150
Concrete pipe manufacturing	<1	-27	29	127
Other concrete product manufacturing	<1	-56	80	476
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	-3	805	1,889
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	-35	37	336
Ground or treated mineral and earth manufacturing	<1	24	600	1,200
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	-9	114	240
Iron and steel mills and ferroalloy manufacturing	<1	33	47	540
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	2	3	25
Alumina refining and primary aluminum production	<1	3	3	43
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	8	21	164
Copper rolling, drawing, extruding and alloying	<1	56	70	992
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	14	16	192
Ferrous metal foundries	<1	2	3	14
Nonferrous metal foundries	<1	<1	<1	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	67	72	286
Iron and steel forging	<1	49	59	465

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	21	29	144
Handtool manufacturing	<1	8	10	28
Prefabricated metal buildings and components manufacturing	<1	4	4	23
Fabricated structural metal manufacturing	<1	134	150	709
Plate work manufacturing	<1	73	76	218
Metal window and door manufacturing	<1	213	234	903
Sheet metal work manufacturing	<1	54	59	221
Ornamental and architectural metal work manufacturing	<1	165	176	684
Power boiler and heat exchanger manufacturing	<1	5	6	25
Metal tank (heavy gauge) manufacturing	<1	48	52	210
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	5	6	30
Spring and wire product manufacturing	<1	49	52	226
Machine shops	<1	284	304	819
Turned product and screw, nut, and bolt manufacturing	<1	54	61	238
Metal heat treating	<1	21	24	75
Metal coating and nonprecious engraving	<1	47	56	191
Electroplating, anodizing, and coloring metal	<1	101	106	280
Valve and fittings, other than plumbing, manufacturing	<1	3	4	14
Plumbing fixture fitting and trim manufacturing	<1	29	45	256
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2	2	6
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	10	12	44
Fabricated pipe and pipe fitting manufacturing	<1	31	33	131
Other fabricated metal manufacturing	<1	218	236	801
Farm machinery and equipment manufacturing	<1	12	19	103

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	11	22	96
Mining machinery and equipment manufacturing	<1	4	6	20
Oil and gas field machinery and equipment manufacturing	<1	35	50	244
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	1
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	2	2	9
Photographic and photocopying equipment manufacturing	<1	1	2	9
Other commercial service industry machinery manufacturing	<1	5	8	28
Air purification and ventilation equipment manufacturing	<1	4	5	17
Heating equipment (except warm air furnaces) manufacturing	<1	18	24	90
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	3	3	10
Special tool, die, jig, and fixture manufacturing	<1	<1	1	3
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5	6	23
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2	3	20

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Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	<1	1	2	12
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	1	2	7
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	3
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	3
Electronic computer manufacturing	<1	1	3	7
Computer storage device manufacturing	<1	3	7	27
Computer terminals and other computer peripheral equipment manufacturing	<1	4	7	15
Telephone apparatus manufacturing	<1	<1	<1	3
Broadcast and wireless communications equipment manufacturing	<1	1	2	5
Other communications equipment manufacturing	<1	3	4	12
Audio and video equipment manufacturing	<1	14	23	97
Printed circuit assembly (electronic assembly) manufacturing	<1	18	31	141
Bare printed circuit board manufacturing	<1	8	11	28
Semiconductor and related device manufacturing	<1	302	502	1,407

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	41	59	149
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	48	65	185
Electromedical and electrotherapeutic apparatus manufacturing	<1	7	12	34
Search, detection, and navigation instruments manufacturing	<1	4	7	13
Automatic environmental control manufacturing	<1	85	112	200
Industrial process variable instruments manufacturing	<1	3	5	13
Totalizing fluid meter and counting device manufacturing	<1	6	14	43
Electricity and signal testing instruments manufacturing	<1	51	82	391
Analytical laboratory instrument manufacturing	<1	13,242	22,415	44,924
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	2	3
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	28	41	96
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	50	107	275
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	4	9
Motor and generator manufacturing	<1	8	21	48
Switchgear and switchboard apparatus manufacturing	<1	1	3	5

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Relay and industrial control manufacturing	<1	11	21	42
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	400	2,508	2,871
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	6	17
Wiring device manufacturing	<1	15	51	103
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	10
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	167	204	699
Motor vehicle gasoline engine and engine parts manufacturing	<1	3	6	39
Motor vehicle electrical and electronic equipment manufacturing	<1	10	18	80
Motor vehicle transmission and power train parts manufacturing	<1	10	21	78
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	3	4	17
Other motor vehicle parts manufacturing	<1	5	8	54
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	18	41	160
Aircraft manufacturing	<1	<1	<1	3
Aircraft engine and engine parts manufacturing	<1	42	41	218
Other aircraft parts and auxiliary equipment manufacturing	<1	6	5	23
Guided missile and space vehicle manufacturing	<1	7	7	27
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	2	14
Wood kitchen cabinet and countertop manufacturing	<1	64	61	250
Upholstered household furniture manufacturing	<1	1	1	6
Nonupholstered wood household furniture manufacturing	<1	8	8	37
Other household nonupholstered furniture manufacturing	<1	3	3	22
Institutional furniture manufacturing	<1	<1	<1	4
Wood office furniture manufacturing	<1	8	8	40
Custom architectural woodwork and millwork	<1	4	3	13
Office furniture, except wood, manufacturing	<1	268	283	1,812
Showcase, partition, shelving, and locker manufacturing	<1	14	14	68
Mattress manufacturing	<1	38	41	297
Blind and shade manufacturing	<1	5	5	23
Surgical and medical instrument manufacturing	<1	6	9	34
Surgical appliance and supplies manufacturing	<1	65	98	440
Dental equipment and supplies manufacturing	<1	<1	<1	1
Ophthalmic goods manufacturing	<1	3	4	13
Dental laboratories	<1	36	37	87
Jewelry and silverware manufacturing	<1	338	425	1,638
Sporting and athletic goods manufacturing	<1	3	4	26
Doll, toy, and game manufacturing	<1	3	5	22
Office supplies (except paper) manufacturing	<1	53	65	349
Sign manufacturing	<1	213	182	664
Gasket, packing, and sealing device manufacturing	<1	13	14	57

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Musical instrument manufacturing	<1	2	2	7
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	31	36	126
All other miscellaneous manufacturing	<1	138	167	669
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,639	5,110	13,943
Wholesale - Professional and commercial equipment and supplies	<1	8,673	12,697	25,577
Wholesale - Household appliances and electrical and electronic goods	<1	2,484	4,866	12,411
Wholesale - Machinery, equipment, and supplies	<1	4,249	7,099	13,970
Wholesale - Other durable goods merchant wholesalers	<1	9,123	14,244	33,873
Wholesale - Drugs and druggists' sundries	<1	3,793	8,719	20,533
Wholesale - Grocery and related product wholesalers	<1	7,213	9,065	21,014
Wholesale - Petroleum and petroleum products	<1	2,114	24,489	29,770
Wholesale - Other nondurable goods merchant wholesalers	<1	8,935	17,568	39,467
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,570	2,652	3,372
Retail - Motor vehicle and parts dealers	<1	12,034	18,867	27,851
Retail - Furniture and home furnishings stores	<1	5,286	7,068	12,053
Retail - Electronics and appliance stores	<1	5,915	6,812	11,662
Retail - Building material and garden equipment and supplies stores	<1	6,575	12,548	19,099
Retail - Food and beverage stores	<1	18,481	25,126	41,596
Retail - Health and personal care stores	<1	11,248	14,199	22,257
Retail - Gasoline stores	<1	5,591	9,779	19,425
Retail - Clothing and clothing accessories stores	<1	8,449	12,593	25,001
Retail - Sporting goods, hobby, musical instrument and book stores	<1	4,760	6,433	11,088
Retail - General merchandise stores	<1	19,444	28,007	46,608

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Retail - Miscellaneous store retailers	<1	10,792	12,808	20,636
Retail - Nonstore retailers	<1	5,316	22,571	53,939
Air transportation	<1	4,409	14,271	26,235
Rail transportation	<1	2,381	10,674	14,766
Water transportation	<1	639	591	2,155
Truck transportation	<1	22,090	26,537	50,864
Transit and ground passenger transportation	<1	8,964	12,059	16,603
Pipeline transportation	<1	2,713	5,005	6,567
Scenic and sightseeing transportation and support activities for transportation	<1	10,755	12,304	28,260
Couriers and messengers	<1	10,568	15,956	25,019
Warehousing and storage	<1	4,873	5,514	12,656
Newspaper publishers	<1	2,674	5,957	7,459
Periodical publishers	<1	1,123	2,293	3,842
Book publishers	<1	397	1,795	2,920
Directory, mailing list, and other publishers	<1	398	1,624	2,140
Greeting card publishing	<1	45	187	211
Software publishers	<1	15,271	46,680	53,121
Motion picture and video industries	<1	8,080	21,568	30,388
Sound recording industries	<1	176	2,412	3,024
Radio and television broadcasting	<1	8,448	9,631	32,337
Cable and other subscription programming	<1	118	380	1,392
Wired telecommunications carriers	<1	7,008	11,134	25,073
Wireless telecommunications carriers (except satellite)	<1	4,530	18,375	72,129
Satellite, telecommunications resellers, and all other telecommunications	<1	1,390	1,736	5,048
Data processing, hosting, and related services	<1	48,313	115,035	300,830
News syndicates, libraries, archives and all other information services	<1	1,120	2,268	5,094
Internet publishing and broadcasting and web search portals	<1	1,543	4,183	14,581
Nondepository credit intermediation and related activities	<1	10,990	13,884	27,035
Securities and commodity contracts intermediation and brokerage	<1	14,139	12,474	27,746

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Monetary authorities and depository credit intermediation	<1	38,426	92,309	184,265
Other financial investment activities	<1	11,906	15,058	41,286
Direct life insurance carriers	<1	850	1,638	2,836
Insurance carriers, except direct life	<1	23,429	70,312	175,553
Insurance agencies, brokerages, and related activities	<1	14,108	21,283	61,375
Funds, trusts, and other financial vehicles	<1	6,541	8,215	39,660
Other real estate	2	43,138	198,808	444,653
Tenant-occupied housing	<1	3,931	89,270	97,959
Owner-occupied dwellings	0	0	308,279	391,347
Automotive equipment rental and leasing	<1	3,220	14,278	18,954
General and consumer goods rental except video tapes and discs	<1	3,662	5,045	9,730
Video tape and disc rental	<1	923	1,754	2,907
Commercial and industrial machinery and equipment rental and leasing	<1	4,207	18,809	24,390
Lessors of nonfinancial intangible assets	<1	574	7,574	10,259
Legal services	<1	44,263	61,442	92,977
Accounting, tax preparation, bookkeeping, and payroll services	<1	16,869	29,355	42,252
Architectural, engineering, and related services	<1	20,126	25,157	42,734
Specialized design services	<1	1,435	3,588	5,020
Custom computer programming services	<1	4,902	6,206	8,487
Computer systems design services	<1	6,872	7,532	9,707
Other computer related services, including facilities management	<1	5,354	11,925	21,258
Management consulting services	10	824,768	917,682	1,467,197
Environmental and other technical consulting services	<1	19,040	21,675	32,470
Scientific research and development services	11	1,042,710	1,167,406	2,357,541
Advertising, public relations, and related services	<1	5,813	10,998	22,501
Photographic services	<1	680	2,946	4,682
Veterinary services	<1	3,526	5,491	8,071
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	9,312	25,464	39,094

Appendix

Management of companies and enterprises	<1	46,074	54,340	103,989
Office administrative services	<1	14,075	6,026	14,117
Facilities support services	<1	5,190	7,732	14,587
Employment services	1	63,480	95,269	137,276
Business support services	<1	20,632	17,738	32,275
Travel arrangement and reservation services	<1	1,970	2,617	6,730
Investigation and security services	<1	11,120	11,131	16,434
Services to buildings	<1	8,467	12,264	24,483
Landscape and horticultural services	<1	8,198	10,450	19,068
Other support services	<1	2,359	2,994	5,930
Waste management and remediation services	<1	8,977	15,339	25,607
Elementary and secondary schools	<1	13,059	12,708	15,154
Junior colleges, colleges, universities, and professional schools	<1	3,216	5,071	7,078
Other educational services	<1	7,418	8,870	17,464
Offices of physicians	<1	63,806	68,057	102,249
Offices of dentists	<1	17,995	23,810	34,344
Offices of other health practitioners	<1	12,635	19,848	26,904
Outpatient care centers	<1	23,867	22,449	40,312
Medical and diagnostic laboratories	<1	7,080	11,019	15,765
Home health care services	<1	20,942	20,586	30,750
Other ambulatory health care services	<1	5,197	5,978	9,784
Hospitals	1	122,331	143,642	267,364
Nursing and community care facilities	<1	17,400	19,582	33,829
Residential mental retardation, mental health, substance abuse and other facilities	<1	7,226	7,862	12,549
Individual and family services	1	25,168	24,798	37,891
Child day care services	<1	6,670	11,872	15,175
Community food, housing, and other relief services, including rehabilitation services	<1	7,399	7,822	16,482
Performing arts companies	<1	3,769	4,943	11,735
Commercial Sports Except Racing	<1	2,643	2,467	5,469
Racing and Track Operation	<1	73	116	239
Independent artists, writers, and performers	<1	3,909	9,032	18,855

Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,699	4,205	12,361
Museums, historical sites, zoos, and parks	<1	1,559	2,012	3,651
Amusement parks and arcades	<1	2,411	3,008	4,022
Gambling industries (except casino hotels)	<1	3,644	9,668	16,258
Other amusement and recreation industries	<1	3,891	4,025	7,608
Fitness and recreational sports centers	<1	2,634	3,160	6,230
Bowling centers	<1	576	798	1,536
Hotels and motels, including casino hotels	<1	2,403	4,803	8,329
Other accommodations	<1	478	702	947
Full-service restaurants	2	45,076	67,211	113,295
Limited-service restaurants	1	30,686	49,923	104,973
All other food and drinking places	<1	28,204	41,319	61,537
Automotive repair and maintenance, except car washes	<1	21,953	28,942	42,622
Car washes	<1	11,502	18,348	28,121
Electronic and precision equipment repair and maintenance	<1	2,488	3,145	5,577
Commercial and industrial machinery and equipment repair and maintenance	<1	8,673	7,026	11,953
Personal and household goods repair and maintenance	<1	2,164	4,330	6,428
Personal care services	<1	8,460	8,468	11,209
Death care services	<1	2,454	1,619	2,416
Dry-cleaning and laundry services	<1	5,325	3,328	4,679
Other personal services	<1	5,135	7,416	10,422
Religious organizations	<1	33,411	13,168	58,548
Grantmaking, giving, and social advocacy organizations	<1	7,536	24,388	38,136
Business and professional associations	<1	4,537	8,655	14,826
Labor and civic organizations	<1	4,985	14,809	26,403
Private households	<1	4,794	4,794	4,794
Postal service	<1	17,894	17,917	19,111
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	14,612	39,105	148,752
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	5,250	-4,397	4,144
Local government electric utilities	<1	2,183	5,396	10,936
Other local government enterprises	<1	24,381	49,597	110,472
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	821,758	1,081,018	2,473,075

Investments in Climate Change Research and Technology

Table 720: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New Mexico

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>91</i>	<i>4,560,577</i>	<i>7,456,908</i>	<i>15,590,692</i>
Oilseed farming	<1	2	2	8
Grain farming	<1	1,111	-92	5,179
Vegetable and melon farming	<1	1,385	2,444	3,552
Fruit farming	<1	173	335	369
Tree nut farming	<1	1,334	2,626	2,854
Greenhouse, nursery, and floriculture production	<1	675	945	1,308
Tobacco farming	0	0	0	0
Cotton farming	<1	457	620	814
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,103	2,670	4,084
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,500	4,100	11,004

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Dairy cattle and milk production	<1	1,246	2,502	11,171
Poultry and egg production	<1	235	306	2,788
Animal production, except cattle and poultry and eggs	<1	3,800	6,867	9,277
Forestry, forest products, and timber tract production	<1	102	111	139
Commercial logging	<1	429	446	668
Commercial fishing	<1	135	211	221
Commercial hunting and trapping	<1	412	713	995
Support activities for agriculture and forestry	<1	6,912	6,780	8,513
Oil and gas extraction	<1	21,726	160,844	208,881
Coal mining	<1	10,961	43,273	65,824
Copper, nickel, lead, and zinc mining	<1	7,096	25,069	39,723
Iron ore mining	0	0	0	0
Gold ore mining	<1	193	495	759
Silver ore mining	<1	191	447	811
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	19	41	69
Stone mining and quarrying	<1	128	641	1,084
Sand and gravel mining	<1	440	1,256	2,206
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	<1	151	295	402
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	104	335	560
Other nonmetallic minerals	<1	140	378	724
Drilling oil and gas wells	<1	7	19	36
Support activities for oil and gas operations	<1	327	508	1,001
Metal mining services	<1	333	2,803	4,084
Other nonmetallic minerals services	<1	39	295	414
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	5,880	22,401	66,032
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	175	699	1,996
Electric power generation - Wind	<1	645	5,084	11,570
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	53	221	689
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	16,150	58,056	175,491
Natural gas distribution	<1	8,102	21,817	55,263
Water, sewage and other systems	<1	1,366	2,803	6,360
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	13,295	18,785	49,373
Maintenance and repair construction of residential structures	<1	5,740	8,027	20,928
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	5	8	20
Dog and cat food manufacturing	<1	51	155	673
Other animal food manufacturing	<1	192	322	3,171
Flour milling	<1	182	365	2,511
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	1,066	2,730	9,228
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	33	53	247
Chocolate and confectionery manufacturing from cacao beans	<1	8	13	119
Confectionery manufacturing from purchased chocolate	<1	16	23	248
Frozen fruits, juices and vegetables manufacturing	<1	967	2,028	11,391
Frozen specialties manufacturing	<1	679	995	5,664
Canned fruits and vegetables manufacturing	<1	216	467	2,605
Canned specialties	<1	754	2,136	12,704
Dehydrated food products manufacturing	<1	45	86	422
Cheese manufacturing	<1	1,701	2,506	24,692
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	410	678	4,810
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	30	43	214
Frozen cakes and other pastries manufacturing	<1	401	569	1,125
Poultry processing	<1	18	22	94
Animal, except poultry, slaughtering	<1	136	172	2,085
Meat processed from carcasses	<1	501	488	6,864
Rendering and meat byproduct processing	<1	13	16	96
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,199	1,735	4,807
Cookie and cracker manufacturing	<1	20	30	285
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	386	493	2,059
Roasted nuts and peanut butter manufacturing	<1	142	301	1,342
Other snack food manufacturing	<1	161	217	1,182
Coffee and tea manufacturing	<1	12	23	173
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	223	387	2,226
All other food manufacturing	<1	146	224	1,678

Appendix

Bottled and canned soft drinks & water	<1	441	764	4,257
Manufactured ice	<1	33	21	119
Breweries	<1	1,061	2,425	10,028
Wineries	<1	265	438	1,858
Distilleries	<1	11	59	230
Tobacco product manufacturing	<1	154	3,808	9,829
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	4	10	77
Narrow fabric mills and schiffli machine embroidery	<1	4	4	26
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	2
Fabric coating mills	0	0	0	0
Carpet and rug mills	<1	27	72	873
Curtain and linen mills	<1	<1	<1	4
Textile bag and canvas mills	<1	18	25	92
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	20	29	122
Hosiery and sock mills	<1	2	3	7
Other apparel knitting mills	<1	15	15	65
Cut and sew apparel contractors	<1	22	23	77
Mens and boys cut and sew apparel manufacturing	<1	2	3	11
Womens and girls cut and sew apparel manufacturing	<1	2	2	20
Other cut and sew apparel manufacturing	<1	2	3	13
Apparel accessories and other apparel manufacturing	<1	6	6	33
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	4	4	69
Other leather and allied product manufacturing	<1	<1	<1	10
Sawmills	<1	164	252	1,568
Wood preservation	<1	21	55	236
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	63	91	390
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	750	1,026	3,667

Appendix

Cut stock, resawing lumber, and planing	<1	67	117	417
Other millwork, including flooring	<1	200	314	1,245
Wood container and pallet manufacturing	<1	113	153	592
Manufactured home (mobile home) manufacturing	<1	3	4	16
Prefabricated wood building manufacturing	<1	54	74	279
All other miscellaneous wood product manufacturing	<1	93	135	543
Pulp mills	0	0	0	0
Paper mills	<1	668	2,449	9,203
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	252	504	2,122
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	69	134	555
Sanitary paper product manufacturing	<1	654	3,159	8,159
All other converted paper product manufacturing	<1	29	55	181
Printing	<1	2,277	3,467	9,807
Support activities for printing	<1	11	17	33
Petroleum refineries	<1	5,906	34,866	197,754
Asphalt paving mixture and block manufacturing	<1	31	46	301
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	<1	48	157	432
All other petroleum and coal products manufacturing	<1	293	1,167	3,556
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	306	408	2,110
Synthetic dye and pigment manufacturing	<1	64	80	300
Other basic inorganic chemical manufacturing	<1	427	560	2,298
Other basic organic chemical manufacturing	<1	135	179	1,405
Plastics material and resin manufacturing	<1	11	13	207
Synthetic rubber manufacturing	<1	14	16	122
Artificial and synthetic fibers and filaments manufacturing	<1	2,894	2,882	31,991

Appendix

Nitrogenous fertilizer manufacturing	<1	72	108	840
Phosphatic fertilizer manufacturing	<1	2	2	8
Fertilizer mixing	<1	25	32	214
Pesticide and other agricultural chemical manufacturing	<1	11	19	100
Medicinal and botanical manufacturing	<1	31	34	244
Pharmaceutical preparation manufacturing	<1	133	243	1,748
In-vitro diagnostic substance manufacturing	<1	<1	<1	3
Biological product (except diagnostic) manufacturing	<1	<1	1	5
Paint and coating manufacturing	<1	17	21	127
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	3	6	88
Polish and other sanitation good manufacturing	<1	12	14	57
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	33	57	407
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	8	9	58
Photographic film and chemical manufacturing	<1	28	40	235
Other miscellaneous chemical product manufacturing	<1	40	47	274
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	76	242	938
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	33	224	593
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	7	29	85
Polystyrene foam product manufacturing	<1	123	416	1,576
Urethane and other foam product (except polystyrene) manufacturing	<1	93	284	1,114
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	258	658	2,546

Appendix

Tire manufacturing	<1	28	63	325
Rubber and plastics hoses and belting manufacturing	<1	10	23	68
Other rubber product manufacturing	<1	109	260	954
Pottery, ceramics, and plumbing fixture manufacturing	<1	-9	7	83
Brick, tile, and other structural clay product manufacturing	<1	-47	170	609
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	-43	120	292
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	-30	283	831
Cement manufacturing	<1	-19	98	298
Ready-mix concrete manufacturing	<1	-543	1,408	6,763
Concrete block and brick manufacturing	<1	-58	418	1,274
Concrete pipe manufacturing	<1	-40	46	188
Other concrete product manufacturing	<1	-83	122	704
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	-4	1,037	2,301
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	-56	58	533
Ground or treated mineral and earth manufacturing	<1	41	1,070	2,078
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	-13	191	400
Iron and steel mills and ferroalloy manufacturing	<1	44	73	721
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	<1	2	3	26
Alumina refining and primary aluminum production	<1	3	5	62
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	30	92	630
Copper rolling, drawing, extruding and alloying	<1	79	105	1,559
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	14	24	225
Ferrous metal foundries	<1	3	4	19
Nonferrous metal foundries	<1	<1	<1	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	86	94	387
Iron and steel forging	<1	44	54	428
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	20	27	142
Handtool manufacturing	<1	6	7	21
Prefabricated metal buildings and components manufacturing	<1	6	7	36
Fabricated structural metal manufacturing	<1	222	258	1,222
Plate work manufacturing	<1	141	145	427
Metal window and door manufacturing	<1	188	212	835
Sheet metal work manufacturing	<1	60	67	257
Ornamental and architectural metal work manufacturing	<1	170	187	750
Power boiler and heat exchanger manufacturing	<1	6	7	27
Metal tank (heavy gauge) manufacturing	<1	46	51	213
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	<1	6	7	36
Spring and wire product manufacturing	<1	26	29	124
Machine shops	<1	273	295	818
Turned product and screw, nut, and bolt manufacturing	<1	26	29	119
Metal heat treating	<1	21	24	75
Metal coating and nonprecious engraving	<1	49	60	202
Electroplating, anodizing, and coloring metal	<1	99	104	276
Valve and fittings, other than plumbing, manufacturing	<1	4	5	19

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Plumbing fixture fitting and trim manufacturing	<1	21	33	190
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	2	3	7
Ammunition, except for small arms, manufacturing	<1	<1	<1	2
Small arms, ordnance, and accessories manufacturing	<1	8	11	42
Fabricated pipe and pipe fitting manufacturing	<1	63	67	263
Other fabricated metal manufacturing	<1	236	257	900
Farm machinery and equipment manufacturing	<1	17	26	136
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	32	55	267
Mining machinery and equipment manufacturing	<1	15	20	68
Oil and gas field machinery and equipment manufacturing	<1	157	216	985
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	<1	<1	3
Optical instrument and lens manufacturing	<1	6	8	30
Photographic and photocopying equipment manufacturing	<1	<1	<1	5
Other commercial service industry machinery manufacturing	<1	6	8	31
Air purification and ventilation equipment manufacturing	<1	8	9	34
Heating equipment (except warm air furnaces) manufacturing	<1	39	50	213
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	4	4	13
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	2

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Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	<1	<1	<1	<1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	7	8	35
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	2	3	20
Pump and pumping equipment manufacturing	<1	<1	<1	4
Air and gas compressor manufacturing	<1	3	4	24
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	15
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	3
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	1	3
Electronic computer manufacturing	<1	<1	2	5
Computer storage device manufacturing	<1	1	3	12
Computer terminals and other computer peripheral equipment manufacturing	<1	3	5	13
Telephone apparatus manufacturing	<1	2	3	7

Appendix

Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	1	2	6
Audio and video equipment manufacturing	<1	7	11	49
Printed circuit assembly (electronic assembly) manufacturing	<1	11	21	94
Bare printed circuit board manufacturing	<1	10	13	32
Semiconductor and related device manufacturing	<1	226	408	1,253
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8	11	30
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	45	63	178
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	9	26
Search, detection, and navigation instruments manufacturing	<1	<1	2	4
Automatic environmental control manufacturing	<1	56	75	137
Industrial process variable instruments manufacturing	<1	3	5	13
Totalizing fluid meter and counting device manufacturing	<1	15	35	104
Electricity and signal testing instruments manufacturing	<1	3	4	19
Analytical laboratory instrument manufacturing	<1	<1	1	3
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	31	46	126
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	32	69	184
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	4	8
Motor and generator manufacturing	<1	13	33	78
Switchgear and switchboard apparatus manufacturing	<1	1	3	5
Relay and industrial control manufacturing	<1	6	12	25
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	365	1,236	2,585
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3	6	19
Wiring device manufacturing	<1	9	27	61
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2,649	3,885	16,014
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	1
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	<1	1	2	6
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	358	453	1,515
Motor vehicle gasoline engine and engine parts manufacturing	<1	4	9	52
Motor vehicle electrical and electronic equipment manufacturing	<1	19	38	183
Motor vehicle transmission and power train parts manufacturing	<1	9	19	87
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	9	14	59
Other motor vehicle parts manufacturing	<1	7	14	80

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	19	46	182
Aircraft manufacturing	<1	<1	<1	5
Aircraft engine and engine parts manufacturing	<1	3	3	16
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	4
Guided missile and space vehicle manufacturing	<1	11	12	45
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2	2	15
Wood kitchen cabinet and countertop manufacturing	<1	115	123	493
Upholstered household furniture manufacturing	<1	<1	<1	4
Nonupholstered wood household furniture manufacturing	<1	13	13	64
Other household nonupholstered furniture manufacturing	<1	3	3	24
Institutional furniture manufacturing	<1	10	10	48
Wood office furniture manufacturing	<1	44	46	237
Custom architectural woodwork and millwork	<1	4	4	15
Office furniture, except wood, manufacturing	<1	1,922	2,161	13,426
Showcase, partition, shelving, and locker manufacturing	<1	42	46	218
Mattress manufacturing	<1	41	45	336
Blind and shade manufacturing	<1	5	5	26
Surgical and medical instrument manufacturing	<1	6	8	34
Surgical appliance and supplies manufacturing	<1	55	78	386
Dental equipment and supplies manufacturing	<1	<1	<1	1

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Ophthalmic goods manufacturing	<1	3	3	12
Dental laboratories	<1	29	30	71
Jewelry and silverware manufacturing	<1	394	482	1,904
Sporting and athletic goods manufacturing	<1	3	4	29
Doll, toy, and game manufacturing	<1	3	4	20
Office supplies (except paper) manufacturing	<1	52	62	379
Sign manufacturing	<1	389	316	1,198
Gasket, packing, and sealing device manufacturing	<1	20	22	92
Musical instrument manufacturing	<1	1	1	4
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	69	77	300
All other miscellaneous manufacturing	<1	145	171	737
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,175	6,201	16,832
Wholesale - Professional and commercial equipment and supplies	<1	10,317	15,183	31,040
Wholesale - Household appliances and electrical and electronic goods	<1	2,626	5,309	13,642
Wholesale - Machinery, equipment, and supplies	<1	6,770	11,515	22,591
Wholesale - Other durable goods merchant wholesalers	<1	13,700	21,507	51,383
Wholesale - Drugs and druggists' sundries	<1	4,131	9,798	23,506
Wholesale - Grocery and related product wholesalers	<1	11,638	14,807	34,657
Wholesale - Petroleum and petroleum products	<1	4,353	35,288	44,229
Wholesale - Other nondurable goods merchant wholesalers	<1	12,769	23,988	55,762
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,183	8,443	10,785
Retail - Motor vehicle and parts dealers	<1	14,064	22,023	32,847
Retail - Furniture and home furnishings stores	<1	5,812	7,768	13,529
Retail - Electronics and appliance stores	<1	6,677	7,516	13,255

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Retail - Building material and garden equipment and supplies stores	<1	7,752	14,818	22,753
Retail - Food and beverage stores	<1	18,704	25,763	43,763
Retail - Health and personal care stores	<1	12,840	16,132	25,448
Retail - Gasoline stores	<1	6,238	11,633	24,538
Retail - Clothing and clothing accessories stores	<1	8,977	13,640	28,264
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,267	7,129	12,654
Retail - General merchandise stores	<1	23,661	33,791	56,537
Retail - Miscellaneous store retailers	<1	11,314	13,578	22,921
Retail - Nonstore retailers	<1	5,699	22,807	56,483
Air transportation	<1	5,523	16,735	31,929
Rail transportation	<1	3,279	17,622	22,485
Water transportation	<1	817	748	2,877
Truck transportation	<1	36,525	44,881	88,091
Transit and ground passenger transportation	<1	4,707	6,176	9,351
Pipeline transportation	<1	9,823	13,521	17,678
Scenic and sightseeing transportation and support activities for transportation	<1	16,517	18,821	42,723
Couriers and messengers	<1	9,189	13,717	21,832
Warehousing and storage	<1	5,065	5,726	13,407
Newspaper publishers	<1	3,992	8,737	11,181
Periodical publishers	<1	1,180	2,366	4,282
Book publishers	<1	570	2,576	4,286
Directory, mailing list, and other publishers	<1	3,702	14,113	18,775
Greeting card publishing	<1	59	224	270
Software publishers	<1	16,023	48,133	55,414
Motion picture and video industries	<1	7,012	18,265	31,673
Sound recording industries	<1	315	3,977	5,528
Radio and television broadcasting	<1	7,107	8,831	42,886
Cable and other subscription programming	<1	57	287	1,356
Wired telecommunications carriers	<1	8,586	14,227	33,013
Wireless telecommunications carriers (except satellite)	<1	4,593	17,708	73,290

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Satellite, telecommunications resellers, and all other telecommunications	<1	1,607	2,116	6,750
Data processing, hosting, and related services	<1	3,595	8,644	29,443
News syndicates, libraries, archives and all other information services	<1	2,395	4,666	11,636
Internet publishing and broadcasting and web search portals	<1	1,563	4,305	23,465
Nondepository credit intermediation and related activities	<1	15,736	19,438	40,428
Securities and commodity contracts intermediation and brokerage	<1	14,222	13,041	34,657
Monetary authorities and depository credit intermediation	<1	50,130	111,830	235,817
Other financial investment activities	<1	9,235	12,151	40,743
Direct life insurance carriers	<1	1,146	2,091	3,854
Insurance carriers, except direct life	<1	30,553	84,281	229,990
Insurance agencies, brokerages, and related activities	<1	52,063	77,166	230,592
Funds, trusts, and other financial vehicles	<1	6,710	8,094	46,665
Other real estate	4	63,055	301,433	753,124
Tenant-occupied housing	<1	3,944	82,079	93,354
Owner-occupied dwellings	0	0	295,802	375,507
Automotive equipment rental and leasing	<1	5,001	29,075	41,014
General and consumer goods rental except video tapes and discs	<1	4,475	6,792	14,007
Video tape and disc rental	<1	1,008	1,964	3,277
Commercial and industrial machinery and equipment rental and leasing	<1	10,059	55,366	74,144
Lessors of nonfinancial intangible assets	<1	508	6,084	8,282
Legal services	<1	73,157	98,937	153,352
Accounting, tax preparation, bookkeeping, and payroll services	<1	16,864	27,855	42,014
Architectural, engineering, and related services	<1	39,704	48,061	84,049
Specialized design services	<1	1,590	3,615	5,542
Custom computer programming services	<1	6,388	8,202	11,701

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Computer systems design services	<1	8,026	8,718	11,519
Other computer related services, including facilities management	<1	6,619	14,833	27,646
Management consulting services	<1	29,206	32,270	54,080
Environmental and other technical consulting services	<1	16,431	18,482	28,357
Scientific research and development services	23	1,941,111	2,252,120	4,690,674
Advertising, public relations, and related services	<1	7,123	12,975	28,688
Photographic services	<1	625	2,366	4,180
Veterinary services	<1	3,900	5,803	8,879
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	15,182	39,228	65,557
Management of companies and enterprises	<1	57,402	67,334	134,077
Office administrative services	<1	10,743	4,299	11,301
Facilities support services	<1	4,044	6,084	12,864
Employment services	2	75,667	110,920	171,704
Business support services	2	68,529	57,638	112,720
Travel arrangement and reservation services	<1	1,996	2,646	6,995
Investigation and security services	<1	11,287	11,202	17,511
Services to buildings	<1	11,568	16,472	35,253
Landscape and horticultural services	1	43,224	54,734	103,791
Other support services	<1	6,736	8,501	17,782
Waste management and remediation services	<1	12,851	21,969	37,434
Elementary and secondary schools	<1	10,557	10,363	12,601
Junior colleges, colleges, universities, and professional schools	13	392,953	622,068	899,497
Other educational services	<1	7,975	9,448	19,424
Offices of physicians	<1	70,588	74,684	112,757
Offices of dentists	<1	19,159	24,681	36,195
Offices of other health practitioners	<1	14,171	21,381	29,341
Outpatient care centers	<1	23,809	22,147	39,603
Medical and diagnostic laboratories	<1	7,420	11,112	16,411
Home health care services	<1	23,375	22,795	34,173
Other ambulatory health care services	<1	5,516	6,249	10,381

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Hospitals	1	109,089	129,304	244,564
Nursing and community care facilities	<1	17,228	19,358	34,778
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,107	6,626	10,886
Individual and family services	<1	22,592	21,722	34,030
Child day care services	<1	6,528	11,104	14,798
Community food, housing, and other relief services, including rehabilitation services	<1	6,128	6,434	14,140
Performing arts companies	<1	2,830	3,855	10,285
Commercial Sports Except Racing	<1	2,652	2,652	6,037
Racing and Track Operation	<1	66	110	264
Independent artists, writers, and performers	<1	3,186	8,658	18,645
Promoters of performing arts and sports and agents for public figures	<1	2,259	3,747	12,095
Museums, historical sites, zoos, and parks	<1	1,503	1,955	3,679
Amusement parks and arcades	<1	2,127	3,153	4,282
Gambling industries (except casino hotels)	<1	3,384	9,011	15,789
Other amusement and recreation industries	<1	3,852	4,163	8,250
Fitness and recreational sports centers	<1	2,344	2,980	6,138
Bowling centers	<1	596	859	1,718
Hotels and motels, including casino hotels	<1	2,037	4,215	7,493
Other accommodations	<1	297	441	610
Full-service restaurants	2	47,560	69,301	121,882
Limited-service restaurants	2	32,455	51,807	115,493
All other food and drinking places	<1	25,659	37,532	58,074
Automotive repair and maintenance, except car washes	<1	22,912	32,446	47,881
Car washes	<1	12,162	19,590	30,380
Electronic and precision equipment repair and maintenance	<1	15,157	18,797	35,015
Commercial and industrial machinery and equipment repair and maintenance	<1	11,341	9,333	16,453
Personal and household goods repair and maintenance	<1	2,470	5,252	7,881
Personal care services	<1	8,045	8,564	11,334
Death care services	<1	2,107	1,803	2,540

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Dry-cleaning and laundry services	<1	5,957	4,833	6,407
Other personal services	<1	5,507	8,116	11,609
Religious organizations	<1	30,324	15,686	58,276
Grantmaking, giving, and social advocacy organizations	<1	5,741	20,834	32,330
Business and professional associations	<1	6,690	13,786	23,944
Labor and civic organizations	<1	4,102	13,534	23,427
Private households	<1	4,577	4,577	4,577
Postal service	<1	14,675	14,693	15,708
Federal electric utilities	0	0	0	0
Other federal government enterprises	9	226,429	736,943	2,411,375
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	4,293	-2,694	6,028
Local government electric utilities	<1	3,926	11,324	23,319
Other local government enterprises	<1	38,780	88,590	197,366
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	10,517	14,768	33,784

New York

NASA

Table 721: Detailed NASA Impacts by Types of Impact, New York

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,321</i>	<i>209,639,533</i>	<i>318,029,446</i>	<i>530,827,534</i>
Oilseed farming	<1	6,499	49,948	66,334
Grain farming	1	31,104	101,840	227,180
Vegetable and melon farming	<1	21,198	50,084	66,863
Fruit farming	1	26,203	67,895	67,316
Tree nut farming	<1	114	276	289
Greenhouse, nursery, and floriculture production	<1	21,568	35,202	46,889
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	22,810	36,817	51,266
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1	8,259	42,958	116,125
Dairy cattle and milk production	1	27,116	83,728	345,408
Poultry and egg production	<1	2,827	5,673	36,049
Animal production, except cattle and poultry and eggs	1	18,459	64,993	90,964
Forestry, forest products, and timber tract production	<1	12,134	13,142	15,103
Commercial logging	<1	21,336	20,390	32,762
Commercial fishing	<1	5,602	4,437	6,331
Commercial hunting and trapping	<1	4,143	1,951	3,682
Support activities for agriculture and forestry	3	112,371	97,033	122,833
Oil and gas extraction	<1	267,255	4,423	188,050
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	53,844	116,878	316,205
Iron ore mining	0	0	0	0
Gold ore mining	<1	13,689	16,143	20,798
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	12,617	25,248	61,211
Sand and gravel mining	<1	15,342	24,206	53,630

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Other clay, ceramic, refractory minerals mining	<1	172	243	607
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	3,660	5,847	13,225
Other nonmetallic minerals	<1	5,182	7,184	16,994
Drilling oil and gas wells	<1	19	2	18
Support activities for oil and gas operations	<1	376	64	284
Metal mining services	<1	4,822	275	5,047
Other nonmetallic minerals services	<1	343	27	307
Electric power generation - Hydroelectric	<1	11,219	32,212	63,090
Electric power generation - Fossil fuel	<1	64,939	213,535	491,408
Electric power generation - Nuclear	<1	162,272	322,774	614,986
Electric power generation - Solar	<1	3,945	12,518	23,387
Electric power generation - Wind	<1	4,979	34,705	59,647
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,710	10,583	27,923
Electric power generation - All other	<1	645	438	1,164
Electric power transmission and distribution	3	648,480	1,955,675	4,458,078
Natural gas distribution	1	182,818	454,583	918,546
Water, sewage and other systems	<1	17,655	33,638	53,411
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	588,318	883,991	1,775,829
Maintenance and repair construction of residential structures	3	189,987	279,205	559,997
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	227	342	688
Dog and cat food manufacturing	<1	16,166	32,045	150,145
Other animal food manufacturing	<1	37,036	65,726	390,542
Flour milling	<1	12,104	16,293	119,307
Rice milling	0	0	0	0
Malt manufacturing	<1	3,273	4,181	32,052
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	137	608	15,248
Fats and oils refining and blending	<1	1,417	2,244	31,813
Breakfast cereal manufacturing	<1	572	940	7,430
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	3,084	4,796	34,574
Nonchocolate confectionery manufacturing	<1	6,563	8,224	41,252
Chocolate and confectionery manufacturing from cacao beans	<1	1,006	1,364	10,395
Confectionery manufacturing from purchased chocolate	<1	15,403	17,834	90,872
Frozen fruits, juices and vegetables manufacturing	<1	8,015	10,108	54,421
Frozen specialties manufacturing	<1	27,952	31,647	132,449
Canned fruits and vegetables manufacturing	<1	22,853	30,218	152,861
Canned specialties	<1	2,430	3,375	17,146
Dehydrated food products manufacturing	<1	2,429	2,961	12,326
Cheese manufacturing	<1	35,310	46,619	490,894
Dry, condensed, and evaporated dairy product manufacturing	<1	6,195	9,101	87,347
Fluid milk manufacturing	<1	39,756	48,256	304,299
Creamery butter manufacturing	<1	625	1,512	17,037
Ice cream and frozen dessert manufacturing	<1	7,685	9,145	43,570
Frozen cakes and other pastries manufacturing	1	40,620	55,549	100,863

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Poultry processing	<1	11,205	12,836	61,708
Animal, except poultry, slaughtering	<1	11,232	14,815	111,793
Meat processed from carcasses	<1	45,389	47,157	288,041
Rendering and meat byproduct processing	<1	2,708	3,415	15,002
Seafood product preparation and packaging	<1	12,741	13,678	47,847
Bread and bakery product, except frozen, manufacturing	3	132,875	160,384	412,434
Cookie and cracker manufacturing	<1	17,495	20,508	92,232
Dry pasta, mixes, and dough manufacturing	<1	5,210	7,396	46,349
Tortilla manufacturing	<1	820	934	3,620
Roasted nuts and peanut butter manufacturing	<1	15,417	19,810	81,689
Other snack food manufacturing	<1	18,199	24,565	113,718
Coffee and tea manufacturing	<1	5,627	7,189	43,829
Flavoring syrup and concentrate manufacturing	<1	8,399	22,890	122,471
Mayonnaise, dressing, and sauce manufacturing	<1	3,142	4,143	21,625
Spice and extract manufacturing	<1	9,630	11,683	53,292
All other food manufacturing	<1	27,906	33,071	158,782
Bottled and canned soft drinks & water	<1	45,286	51,549	164,733
Manufactured ice	<1	3,551	2,410	5,685
Breweries	<1	67,881	120,851	262,436
Wineries	<1	46,494	63,116	190,573
Distilleries	<1	28,749	138,848	219,515
Tobacco product manufacturing	<1	49,373	654,539	866,309
Fiber, yarn, and thread mills	<1	767	1,124	5,067
Broadwoven fabric mills	<1	6,396	9,411	28,740
Narrow fabric mills and schiffli machine embroidery	<1	1,359	1,471	3,798
Nonwoven fabric mills	<1	24,205	38,000	161,574
Knit fabric mills	<1	640	767	2,090
Textile and fabric finishing mills	<1	10,423	12,610	32,284
Fabric coating mills	<1	7,000	8,575	30,742
Carpet and rug mills	<1	4,299	6,538	16,615
Curtain and linen mills	<1	6,488	8,092	23,688
Textile bag and canvas mills	<1	6,699	7,888	24,283
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,483	4,935	14,988
Other textile product mills	<1	8,085	9,478	22,794
Hosiery and sock mills	<1	2,100	3,321	6,504

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Other apparel knitting mills	<1	5,320	7,360	14,249
Cut and sew apparel contractors	<1	25,378	28,715	59,289
Mens and boys cut and sew apparel manufacturing	<1	12,803	17,697	37,123
Womens and girls cut and sew apparel manufacturing	<1	28,340	53,723	128,716
Other cut and sew apparel manufacturing	<1	7,308	12,232	29,641
Apparel accessories and other apparel manufacturing	<1	5,621	9,296	22,848
Leather and hide tanning and finishing	<1	2,608	5,490	19,072
Footwear manufacturing	<1	1,941	2,338	6,925
Other leather and allied product manufacturing	<1	1,652	1,847	4,600
Sawmills	<1	18,412	21,329	89,564
Wood preservation	<1	397	583	3,083
Veneer and plywood manufacturing	<1	1,163	1,351	5,468
Engineered wood member and truss manufacturing	<1	2,582	2,950	9,868
Reconstituted wood product manufacturing	<1	343	491	3,053
Wood windows and door manufacturing	<1	21,654	23,979	66,774
Cut stock, resawing lumber, and planing	<1	2,648	3,106	10,837
Other millwork, including flooring	<1	14,735	16,978	51,195
Wood container and pallet manufacturing	<1	10,530	11,465	33,818
Manufactured home (mobile home) manufacturing	<1	3	3	10
Prefabricated wood building manufacturing	<1	1,469	1,620	5,337
All other miscellaneous wood product manufacturing	<1	4,621	5,123	18,188
Pulp mills	<1	4,830	5,657	19,568
Paper mills	<1	108,492	156,373	649,183
Paperboard mills	<1	11,984	17,870	62,865
Paperboard container manufacturing	<1	65,858	82,481	328,872
Paper bag and coated and treated paper manufacturing	<1	45,486	61,594	212,855
Stationery product manufacturing	<1	3,142	3,966	14,883
Sanitary paper product manufacturing	<1	21,991	37,618	149,670
All other converted paper product manufacturing	<1	3,663	4,534	15,538

Appendix

Printing	10	621,406	980,452	1,844,165
Support activities for printing	<1	16,353	23,622	33,461
Petroleum refineries	<1	693	4,196	28,587
Asphalt paving mixture and block manufacturing	<1	9,594	13,662	34,736
Asphalt shingle and coating materials manufacturing	<1	457	1,203	2,263
Petroleum lubricating oil and grease manufacturing	<1	7,413	19,509	43,008
All other petroleum and coal products manufacturing	<1	3,156	9,886	22,675
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	57,196	108,356	302,314
Synthetic dye and pigment manufacturing	<1	1,227	2,277	7,712
Other basic inorganic chemical manufacturing	<1	11,749	24,193	85,793
Other basic organic chemical manufacturing	<1	22,108	42,241	295,067
Plastics material and resin manufacturing	<1	15,229	23,969	133,551
Synthetic rubber manufacturing	<1	5,414	7,747	24,378
Artificial and synthetic fibers and filaments manufacturing	<1	14,825	20,785	66,916
Nitrogenous fertilizer manufacturing	<1	1,246	2,867	12,444
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1,572	2,940	10,575
Pesticide and other agricultural chemical manufacturing	<1	12,128	33,315	164,610
Medicinal and botanical manufacturing	<1	3,083	4,720	16,266
Pharmaceutical preparation manufacturing	2	225,234	713,303	2,536,275
In-vitro diagnostic substance manufacturing	<1	3,483	4,889	14,762
Biological product (except diagnostic) manufacturing	<1	54,264	103,012	231,914
Paint and coating manufacturing	<1	6,527	11,820	45,073
Adhesive manufacturing	<1	2,181	3,355	14,050
Soap and other detergent manufacturing	<1	7,274	20,874	79,731
Polish and other sanitation good manufacturing	<1	12,345	18,444	74,363
Surface active agent manufacturing	<1	516	1,568	5,908
Toilet preparation manufacturing	<1	60,972	176,187	458,559
Printing ink manufacturing	<1	4,528	4,929	19,287

Appendix

Explosives manufacturing	<1	76	85	222
Custom compounding of purchased resins	<1	1,297	2,287	10,303
Photographic film and chemical manufacturing	<1	71,792	148,385	479,523
Other miscellaneous chemical product manufacturing	<1	65,377	103,807	414,027
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	14,264	35,747	102,019
Unlaminated plastics profile shape manufacturing	<1	9,446	35,177	65,312
Plastics pipe and pipe fitting manufacturing	<1	16,635	81,846	169,313
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,659	4,948	9,745
Polystyrene foam product manufacturing	<1	10,806	27,804	71,235
Urethane and other foam product (except polystyrene) manufacturing	<1	3,702	8,953	23,269
Plastics bottle manufacturing	<1	1,391	3,314	12,501
Other plastics product manufacturing	2	114,660	235,778	572,998
Tire manufacturing	<1	14,928	32,575	92,878
Rubber and plastics hoses and belting manufacturing	<1	6,066	12,767	27,747
Other rubber product manufacturing	<1	16,250	31,434	81,762
Pottery, ceramics, and plumbing fixture manufacturing	<1	8,033	14,838	24,413
Brick, tile, and other structural clay product manufacturing	<1	7,470	18,332	31,723
Flat glass manufacturing	<1	2,062	6,485	11,789
Other pressed and blown glass and glassware manufacturing	<1	15,262	37,998	72,875
Glass container manufacturing	<1	5,840	12,995	26,584
Glass product manufacturing made of purchased glass	<1	17,685	42,456	79,562
Cement manufacturing	<1	2,624	10,007	20,285
Ready-mix concrete manufacturing	<1	19,533	46,704	111,809
Concrete block and brick manufacturing	<1	4,679	12,362	23,656
Concrete pipe manufacturing	<1	719	1,707	2,991
Other concrete product manufacturing	<1	7,728	14,004	28,074
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	5,801	24,804	48,009

Appendix

Abrasive product manufacturing	<1	4,835	21,156	29,227
Cut stone and stone product manufacturing	<1	11,534	15,986	31,703
Ground or treated mineral and earth manufacturing	<1	4,924	21,282	38,752
Mineral wool manufacturing	<1	2,441	8,910	15,495
Miscellaneous nonmetallic mineral products manufacturing	<1	2,089	9,623	15,555
Iron and steel mills and ferroalloy manufacturing	2	153,119	241,445	2,063,403
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,784	2,474	15,503
Rolled steel shape manufacturing	<1	9,711	14,883	68,605
Steel wire drawing	<1	158	189	939
Alumina refining and primary aluminum production	<1	7,656	10,065	66,051
Secondary smelting and alloying of aluminum	<1	2,206	3,471	32,697
Aluminum sheet, plate, and foil manufacturing	<1	27,275	42,515	207,651
Other aluminum rolling, drawing and extruding	<1	1,611	2,009	10,443
Nonferrous metal (exc aluminum) smelting and refining	<1	864	2,309	15,477
Copper rolling, drawing, extruding and alloying	<1	46,799	61,019	545,888
Nonferrous metal, except copper and aluminum, shaping	<1	9,821	11,164	44,997
Secondary processing of other nonferrous metals	<1	2,651	3,577	24,953
Ferrous metal foundries	<1	7,985	9,496	26,123
Nonferrous metal foundries	<1	3,769	4,714	14,541
Custom roll forming	<1	384	604	3,179
Crown and closure manufacturing and metal stamping	<1	14,627	17,798	49,943
Iron and steel forging	<1	6,894	10,297	35,709
Nonferrous forging	<1	1,386	1,876	6,221
Cutlery, utensil, pot, and pan manufacturing	<1	18,686	40,493	106,688
Handtool manufacturing	<1	4,377	6,592	15,437
Prefabricated metal buildings and components manufacturing	<1	2,071	2,739	7,678
Fabricated structural metal manufacturing	<1	20,234	27,802	81,929
Plate work manufacturing	<1	7,229	7,919	21,518
Metal window and door manufacturing	<1	16,186	20,747	50,461
Sheet metal work manufacturing	<1	30,050	37,777	95,207

Appendix

Ornamental and architectural metal work manufacturing	<1	21,259	26,132	62,349
Power boiler and heat exchanger manufacturing	<1	2,055	2,798	7,558
Metal tank (heavy gauge) manufacturing	<1	1,666	2,036	5,304
Metal cans manufacturing	<1	5,098	10,013	44,956
Metal barrels, drums and pails manufacturing	<1	1,840	2,234	8,103
Hardware manufacturing	<1	5,146	7,494	22,165
Spring and wire product manufacturing	<1	5,364	6,970	20,805
Machine shops	1	87,330	103,335	212,113
Turned product and screw, nut, and bolt manufacturing	<1	25,099	34,495	98,211
Metal heat treating	<1	4,320	5,841	13,662
Metal coating and nonprecious engraving	<1	10,127	15,936	37,672
Electroplating, anodizing, and coloring metal	<1	13,966	15,653	32,941
Valve and fittings, other than plumbing, manufacturing	4	423,828	621,690	1,593,640
Plumbing fixture fitting and trim manufacturing	<1	2,326	5,516	17,686
Ball and roller bearing manufacturing	<1	6,594	10,660	26,045
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	357	423	732
Small arms, ordnance, and accessories manufacturing	<1	8,457	14,221	33,753
Fabricated pipe and pipe fitting manufacturing	<1	2,068	2,450	5,392
Other fabricated metal manufacturing	<1	24,193	30,107	75,652
Farm machinery and equipment manufacturing	<1	513	982	3,668
Lawn and garden equipment manufacturing	<1	1,582	3,150	14,999
Construction machinery manufacturing	<1	245	612	1,730
Mining machinery and equipment manufacturing	<1	172	299	800
Oil and gas field machinery and equipment manufacturing	<1	206	374	1,016
Semiconductor machinery manufacturing	<1	2,365	2,868	7,646
Food product machinery manufacturing	<1	44	53	155

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Sawmill, woodworking, and paper machinery	<1	864	1,020	3,180
Printing machinery and equipment manufacturing	<1	746	862	2,339
All other industrial machinery manufacturing	<1	491	671	1,715
Optical instrument and lens manufacturing	<1	660	1,047	2,661
Photographic and photocopying equipment manufacturing	<1	4,564	6,505	17,932
Other commercial service industry machinery manufacturing	<1	1,116	2,007	5,916
Air purification and ventilation equipment manufacturing	<1	1,443	2,134	5,468
Heating equipment (except warm air furnaces) manufacturing	<1	6,515	10,686	27,548
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3,392	6,774	18,353
Industrial mold manufacturing	<1	1,096	1,334	2,738
Special tool, die, jig, and fixture manufacturing	<1	1,898	2,640	4,967
Cutting tool and machine tool accessory manufacturing	<1	1,759	2,053	4,253
Machine tool manufacturing	<1	821	1,100	3,100
Rolling mill and other metalworking machinery manufacturing	<1	559	699	1,588
Turbine and turbine generator set units manufacturing	<1	1,966	2,687	7,425
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6,247	10,150	27,122
Mechanical power transmission equipment manufacturing	<1	10,720	18,533	42,197
Other engine equipment manufacturing	<1	21,539	51,827	190,489
Pump and pumping equipment manufacturing	<1	909	1,757	4,373
Air and gas compressor manufacturing	<1	420	870	2,545
Elevator and moving stairway manufacturing	<1	528	816	2,788
Conveyor and conveying equipment manufacturing	<1	202	236	623
Overhead cranes, hoists, and monorail systems manufacturing	<1	50	100	303
Industrial truck, trailer, and stacker manufacturing	<1	1,916	3,360	9,628

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Power-driven handtool manufacturing	<1	511	1,485	4,084
Welding and soldering equipment manufacturing	<1	194	303	920
Packaging machinery manufacturing	<1	1,211	1,842	4,444
Industrial process furnace and oven manufacturing	<1	258	316	661
Fluid power cylinder and actuator manufacturing	<1	4,137	6,222	14,057
Fluid power pump and motor manufacturing	<1	5,387	9,229	20,884
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2,132	2,743	6,696
Electronic computer manufacturing	2	555,912	848,357	2,310,484
Computer storage device manufacturing	<1	2,486	4,670	19,771
Computer terminals and other computer peripheral equipment manufacturing	<1	147,776	214,447	370,146
Telephone apparatus manufacturing	<1	890	1,254	5,521
Broadcast and wireless communications equipment manufacturing	<1	4,337	5,718	14,615
Other communications equipment manufacturing	<1	12,495	17,105	47,139
Audio and video equipment manufacturing	<1	1,647	2,353	7,326
Printed circuit assembly (electronic assembly) manufacturing	<1	21,611	30,763	128,447
Bare printed circuit board manufacturing	<1	1,163	1,388	3,628
Semiconductor and related device manufacturing	<1	41,872	59,124	193,443
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	11,659	14,997	39,830
Electronic connector manufacturing	<1	80,886	105,915	265,141
Other electronic component manufacturing	<1	8,031	9,878	29,326
Electromedical and electrotherapeutic apparatus manufacturing	<1	686	1,057	2,972
Search, detection, and navigation instruments manufacturing	<1	10,319	14,367	30,817
Automatic environmental control manufacturing	<1	3,381	4,208	10,998

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Industrial process variable instruments manufacturing	<1	2,773	3,808	10,490
Totalizing fluid meter and counting device manufacturing	<1	690	1,160	3,174
Electricity and signal testing instruments manufacturing	<1	10,201	14,041	50,519
Analytical laboratory instrument manufacturing	2	239,905	346,328	929,546
Irradiation apparatus manufacturing	<1	544	852	2,425
Watch, clock, and other measuring and controlling device manufacturing	<1	3,123	4,623	12,546
Blank magnetic and optical recording media manufacturing	<1	5	11	33
Software and other prerecorded and record reproducing	<1	3,974	5,009	9,484
Electric lamp bulb and part manufacturing	<1	414	611	1,864
Lighting fixture manufacturing	<1	17,500	21,748	67,284
Small electrical appliance manufacturing	<1	868	1,359	5,946
Household cooking appliance manufacturing	<1	37	56	235
Household refrigerator and home freezer manufacturing	<1	40	61	251
Household laundry equipment manufacturing	<1	94	129	634
Other major household appliance manufacturing	<1	14	21	76
Power, distribution, and specialty transformer manufacturing	<1	380	477	1,519
Motor and generator manufacturing	<1	2,652	3,634	14,249
Switchgear and switchboard apparatus manufacturing	<1	2,562	3,439	10,521
Relay and industrial control manufacturing	<1	19,460	23,114	59,524
Storage battery manufacturing	<1	297	355	1,030
Primary battery manufacturing	<1	12,549	17,154	46,185
Fiber optic cable manufacturing	<1	3,508	4,272	26,008
Other communication and energy wire manufacturing	<1	1,379	1,747	7,307
Wiring device manufacturing	<1	20,290	27,426	71,821
Carbon and graphite product manufacturing	<1	7,232	9,753	35,933
All other miscellaneous electrical equipment and component manufacturing	<1	64,062	69,032	207,280
Automobile manufacturing	<1	24	43	268

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Light truck and utility vehicle manufacturing	<1	8	10	201
Heavy duty truck manufacturing	<1	22	34	263
Motor vehicle body manufacturing	<1	362	416	1,873
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	415	460	2,222
Motor vehicle gasoline engine and engine parts manufacturing	<1	12,724	15,090	76,186
Motor vehicle electrical and electronic equipment manufacturing	<1	25,312	27,948	155,531
Motor vehicle transmission and power train parts manufacturing	<1	40,908	51,000	232,952
Motor vehicle seating and interior trim manufacturing	<1	347	368	1,523
Motor vehicle metal stamping	<1	35,487	37,238	107,205
Other motor vehicle parts manufacturing	<1	42,446	46,164	185,921
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	38,961	47,565	158,433
Aircraft manufacturing	<1	17,143	18,889	80,173
Aircraft engine and engine parts manufacturing	<1	5,240	8,269	25,625
Other aircraft parts and auxiliary equipment manufacturing	5	556,617	649,369	1,645,241
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	47	57	115
Railroad rolling stock manufacturing	<1	970	1,029	4,263
Ship building and repairing	<1	2,903	3,114	6,042
Boat building	<1	1,698	2,043	7,725
Motorcycle, bicycle, and parts manufacturing	<1	558	973	3,924
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,981	4,362	23,123
Wood kitchen cabinet and countertop manufacturing	<1	17,205	21,499	49,919
Upholstered household furniture manufacturing	<1	6,305	7,021	20,002

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Nonupholstered wood household furniture manufacturing	<1	11,926	13,425	35,928
Other household nonupholstered furniture manufacturing	<1	2,820	4,001	13,834
Institutional furniture manufacturing	<1	15,320	16,838	52,461
Wood office furniture manufacturing	<1	4,879	6,193	18,450
Custom architectural woodwork and millwork	<1	1,018	948	2,648
Office furniture, except wood, manufacturing	<1	67,630	100,127	263,424
Showcase, partition, shelving, and locker manufacturing	<1	3,846	4,974	14,362
Mattress manufacturing	<1	3,087	4,823	19,050
Blind and shade manufacturing	<1	2,668	2,801	8,698
Surgical and medical instrument manufacturing	<1	7,459	9,509	24,356
Surgical appliance and supplies manufacturing	<1	18,193	23,982	64,614
Dental equipment and supplies manufacturing	<1	3,784	4,501	11,749
Ophthalmic goods manufacturing	<1	9,481	11,956	25,363
Dental laboratories	<1	20,302	20,788	33,292
Jewelry and silverware manufacturing	<1	19,867	24,001	52,054
Sporting and athletic goods manufacturing	<1	4,523	5,222	16,202
Doll, toy, and game manufacturing	<1	3,956	4,510	15,212
Office supplies (except paper) manufacturing	<1	9,814	11,313	31,227
Sign manufacturing	<1	6,403	5,385	11,783
Gasket, packing, and sealing device manufacturing	<1	9,692	10,478	24,300
Musical instrument manufacturing	<1	5,264	5,351	11,036
Fasteners, buttons, needles, and pins manufacturing	<1	1,211	1,342	3,208
Broom, brush, and mop manufacturing	<1	5,953	6,053	20,411
Burial casket manufacturing	<1	547	611	1,331
All other miscellaneous manufacturing	<1	24,524	28,654	67,441
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	101,348	217,243	493,098
Wholesale - Professional and commercial equipment and supplies	5	645,584	990,688	1,582,817

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Wholesale - Household appliances and electrical and electronic goods	2	234,460	504,768	1,011,188
Wholesale - Machinery, equipment, and supplies	3	241,018	443,255	746,134
Wholesale - Other durable goods merchant wholesalers	6	562,118	921,273	1,615,407
Wholesale - Drugs and druggists' sundries	2	330,068	839,556	1,627,372
Wholesale - Grocery and related product wholesalers	6	449,008	586,468	1,115,622
Wholesale - Petroleum and petroleum products	<1	57,633	793,260	875,669
Wholesale - Other nondurable goods merchant wholesalers	8	901,692	1,794,375	2,833,876
Wholesale - Wholesale electronic markets and agents and brokers	4	470,711	487,369	553,846
Retail - Motor vehicle and parts dealers	5	315,202	487,383	694,234
Retail - Furniture and home furnishings stores	5	233,943	314,902	481,462
Retail - Electronics and appliance stores	5	310,460	275,583	449,204
Retail - Building material and garden equipment and supplies stores	5	246,108	432,349	623,363
Retail - Food and beverage stores	22	797,663	1,067,754	1,699,411
Retail - Health and personal care stores	9	543,933	657,158	942,468
Retail - Gasoline stores	4	141,455	235,915	415,309
Retail - Clothing and clothing accessories stores	10	470,038	672,111	1,132,521
Retail - Sporting goods, hobby, musical instrument and book stores	6	206,035	271,180	402,232
Retail - General merchandise stores	16	553,022	826,607	1,287,342
Retail - Miscellaneous store retailers	9	514,455	552,321	736,779
Retail - Nonstore retailers	12	656,311	1,816,215	2,782,124
Air transportation	5	641,769	1,390,600	2,249,588
Rail transportation	<1	64,886	88,252	236,101
Water transportation	<1	110,911	170,786	663,967
Truck transportation	24	1,742,016	2,054,781	3,904,730
Transit and ground passenger transportation	22	852,284	1,101,457	1,287,114
Pipeline transportation	<1	249,356	284,272	288,678
Scenic and sightseeing transportation and support activities for transportation	12	758,512	840,460	1,747,971

Appendix

Couriers and messengers	8	329,204	460,900	750,289
Warehousing and storage	6	222,498	267,440	553,485
Newspaper publishers	1	116,939	228,627	254,337
Periodical publishers	2	275,136	491,495	591,548
Book publishers	<1	95,988	362,721	472,661
Directory, mailing list, and other publishers	<1	43,370	147,621	188,886
Greeting card publishing	<1	838	2,847	3,959
Software publishers	8	1,602,500	4,295,662	4,502,220
Motion picture and video industries	3	493,697	938,861	1,325,656
Sound recording industries	<1	32,079	258,934	286,516
Radio and television broadcasting	2	989,699	1,192,878	1,542,063
Cable and other subscription programming	<1	352,481	1,814,331	2,096,662
Wired telecommunications carriers	4	594,693	1,955,269	2,789,520
Wireless telecommunications carriers (except satellite)	<1	54,287	637,265	975,782
Satellite, telecommunications resellers, and all other telecommunications	<1	64,284	114,528	219,135
Data processing, hosting, and related services	5	860,594	1,626,221	3,114,377
News syndicates, libraries, archives and all other information services	2	109,741	192,566	378,331
Internet publishing and broadcasting and web search portals	5	1,677,301	3,735,996	7,001,296
Nondepository credit intermediation and related activities	4	808,551	1,438,096	1,757,430
Securities and commodity contracts intermediation and brokerage	13	3,990,101	3,429,601	3,777,124
Monetary authorities and depository credit intermediation	9	1,759,088	12,802,213	13,089,646
Other financial investment activities	10	2,747,138	3,341,596	4,148,458
Direct life insurance carriers	3	498,539	1,244,740	1,425,982
Insurance carriers, except direct life	9	1,134,499	5,453,299	8,005,343
Insurance agencies, brokerages, and related activities	9	1,073,400	2,194,566	3,717,419
Funds, trusts, and other financial vehicles	6	346,780	463,810	1,807,150
Other real estate	128	4,707,406	13,712,003	28,741,277
Tenant-occupied housing	14	464,669	3,295,587	3,910,798

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Owner-occupied dwellings	0	0	10,642,508	13,510,195
Automotive equipment rental and leasing	2	186,707	374,712	517,122
General and consumer goods rental except video tapes and discs	2	209,719	264,571	383,037
Video tape and disc rental	<1	40,960	67,123	98,637
Commercial and industrial machinery and equipment rental and leasing	2	311,128	577,790	781,363
Lessors of nonfinancial intangible assets	<1	67,133	931,429	1,029,008
Legal services	35	5,068,968	8,397,717	10,293,091
Accounting, tax preparation, bookkeeping, and payroll services	15	1,691,098	1,935,739	2,585,241
Architectural, engineering, and related services	22	2,493,554	2,628,658	4,138,359
Specialized design services	2	220,820	289,688	403,244
Custom computer programming services	5	796,576	840,892	1,051,977
Computer systems design services	6	810,599	752,784	912,305
Other computer related services, including facilities management	1	198,853	279,613	439,779
Management consulting services	43	6,723,418	6,878,596	9,097,280
Environmental and other technical consulting services	4	486,713	501,251	681,078
Scientific research and development services	692	74,383,123	95,389,905	170,100,493
Advertising, public relations, and related services	12	1,865,633	2,197,546	3,087,990
Photographic services	<1	52,351	96,544	161,765
Veterinary services	2	130,497	146,237	215,892
Marketing research and all other miscellaneous professional, scientific, and technical services	14	1,980,728	2,782,200	4,346,582
Management of companies and enterprises	44	7,258,214	8,353,350	12,333,011
Office administrative services	12	1,551,993	573,264	1,056,014
Facilities support services	<1	47,948	71,659	134,159
Employment services	64	4,501,047	6,555,147	8,367,349
Business support services	13	947,889	799,033	1,170,431
Travel arrangement and reservation services	4	283,359	373,547	710,719
Investigation and security services	12	566,463	571,889	790,237
Services to buildings	16	737,525	1,041,923	1,634,204
Landscape and horticultural services	11	537,844	686,485	1,084,055

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Other support services	4	288,119	372,879	613,899
Waste management and remediation services	4	277,169	485,301	854,307
Elementary and secondary schools	13	803,703	680,534	771,706
Junior colleges, colleges, universities, and professional schools	77	5,166,693	7,071,929	8,629,339
Other educational services	23	1,016,319	1,188,094	2,113,545
Offices of physicians	27	3,092,943	3,243,909	4,489,047
Offices of dentists	8	571,349	714,450	993,970
Offices of other health practitioners	8	434,466	627,690	832,273
Outpatient care centers	8	635,425	588,310	968,835
Medical and diagnostic laboratories	3	245,412	351,304	476,743
Home health care services	20	831,249	802,545	1,055,413
Other ambulatory health care services	3	156,374	174,694	283,735
Hospitals	52	5,419,372	6,318,132	10,950,327
Nursing and community care facilities	15	857,528	906,511	1,430,505
Residential mental retardation, mental health, substance abuse and other facilities	10	485,381	501,692	743,023
Individual and family services	41	1,523,350	1,335,674	1,850,903
Child day care services	12	431,708	655,990	830,348
Community food, housing, and other relief services, including rehabilitation services	8	355,839	352,774	690,701
Performing arts companies	3	205,815	270,527	359,236
Commercial Sports Except Racing	4	387,670	299,673	368,192
Racing and Track Operation	<1	39,890	65,498	85,063
Independent artists, writers, and performers	4	307,179	757,584	893,184
Promoters of performing arts and sports and agents for public figures	5	335,645	531,282	737,126
Museums, historical sites, zoos, and parks	2	122,576	152,579	223,305
Amusement parks and arcades	<1	12,520	27,486	39,431
Gambling industries (except casino hotels)	3	170,350	505,809	654,191
Other amusement and recreation industries	5	155,695	186,129	311,030
Fitness and recreational sports centers	6	167,899	225,218	361,913
Bowling centers	<1	18,172	32,312	50,030

Appendix

Hotels and motels, including casino hotels	22	1,282,552	2,913,711	3,777,291
Other accommodations	8	485,353	691,070	857,006
Full-service restaurants	48	1,684,228	2,575,637	3,871,429
Limited-service restaurants	29	800,025	1,352,688	2,526,467
All other food and drinking places	30	1,163,959	1,759,533	2,409,630
Automotive repair and maintenance, except car washes	13	745,068	732,968	1,130,581
Car washes	6	337,476	506,566	754,504
Electronic and precision equipment repair and maintenance	5	406,719	531,654	783,160
Commercial and industrial machinery and equipment repair and maintenance	4	377,201	358,157	518,915
Personal and household goods repair and maintenance	2	127,255	215,558	301,209
Personal care services	17	581,938	446,843	603,274
Death care services	3	117,903	32,985	60,874
Dry-cleaning and laundry services	7	268,776	64,047	121,760
Other personal services	9	380,588	456,296	618,756
Religious organizations	16	970,100	195,741	1,173,872
Grantmaking, giving, and social advocacy organizations	6	515,494	1,228,203	1,803,143
Business and professional associations	2	284,668	418,271	649,717
Labor and civic organizations	7	357,380	777,359	1,239,140
Private households	11	261,857	261,817	261,817
Postal service	5	515,206	515,421	546,467
Federal electric utilities	0	0	0	0
Other federal government enterprises	39	1,816,913	2,972,703	10,792,835
State government passenger transit	<1	22,272	-10,381	38,086
State government electric utilities	2	301,555	402,784	1,187,809
Other state government enterprises	1	252,993	247,444	410,721
Local government passenger transit	2	247,052	-204,922	51,778
Local government electric utilities	<1	293	752	1,496
Other local government enterprises	7	758,922	1,022,290	2,237,720
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	47	7,903,137	9,960,542	22,787,011

Moon to Mars Campaign

Table 722: Detailed M2M Campaign Impacts by Types of Impact, New York

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>198</i>	<i>18,527,220</i>	<i>29,093,175</i>	<i>52,462,093</i>
Oilseed farming	<1	497	5,337	7,938
Grain farming	<1	2,056	7,516	15,544
Vegetable and melon farming	<1	1,564	3,785	5,045
Fruit farming	<1	2,282	6,016	6,001
Tree nut farming	<1	12	29	30
Greenhouse, nursery, and floriculture production	<1	2,286	3,789	4,997
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,385	2,306	3,188
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	469	2,199	5,629
Dairy cattle and milk production	<1	3,148	9,047	35,314
Poultry and egg production	<1	184	406	2,315
Animal production, except cattle and poultry and eggs	<1	752	2,991	4,226
Forestry, forest products, and timber tract production	<1	798	864	969
Commercial logging	<1	1,548	1,487	2,303
Commercial fishing	<1	582	403	574
Commercial hunting and trapping	<1	725	219	397
Support activities for agriculture and forestry	<1	4,866	4,169	5,303
Oil and gas extraction	<1	35,652	752	30,079

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	1,763	4,076	10,343
Iron ore mining	0	0	0	0
Gold ore mining	<1	471	561	743
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	857	1,456	3,603
Sand and gravel mining	<1	798	1,136	2,468
Other clay, ceramic, refractory minerals mining	<1	12	16	41
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	429	566	1,260
Other nonmetallic minerals	<1	252	333	783
Drilling oil and gas wells	<1	2	<1	2
Support activities for oil and gas operations	<1	14	3	11
Metal mining services	<1	396	26	483
Other nonmetallic minerals services	<1	12	1	13
Electric power generation - Hydroelectric	<1	1,271	3,623	6,903
Electric power generation - Fossil fuel	<1	8,999	27,844	59,378
Electric power generation - Nuclear	<1	19,944	39,536	71,610
Electric power generation - Solar	<1	379	1,245	2,290
Electric power generation - Wind	<1	513	3,542	5,969
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	265	1,099	2,696
Electric power generation - All other	<1	91	62	147
Electric power transmission and distribution	<1	76,242	225,599	490,022
Natural gas distribution	<1	22,285	57,386	109,875
Water, sewage and other systems	<1	1,969	3,515	5,222
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	33,569	50,887	100,143
Maintenance and repair construction of residential structures	<1	14,695	21,693	42,784
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	16	24	49
Dog and cat food manufacturing	<1	1,008	2,097	9,535
Other animal food manufacturing	<1	2,234	4,130	23,522
Flour milling	<1	1,850	2,540	18,554
Rice milling	0	0	0	0
Malt manufacturing	<1	590	801	5,788
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	12	56	1,352
Fats and oils refining and blending	<1	168	275	3,671
Breakfast cereal manufacturing	<1	32	54	400
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	342	547	3,779
Nonchocolate confectionery manufacturing	<1	672	842	4,051
Chocolate and confectionery manufacturing from cacao beans	<1	122	167	1,226
Confectionery manufacturing from purchased chocolate	<1	1,280	1,510	7,179
Frozen fruits, juices and vegetables manufacturing	<1	1,516	1,965	9,707
Frozen specialties manufacturing	<1	4,386	5,014	20,845
Canned fruits and vegetables manufacturing	<1	5,435	7,315	35,896

Appendix

Canned specialties	<1	548	766	3,788
Dehydrated food products manufacturing	<1	549	670	2,752
Cheese manufacturing	<1	7,972	10,573	111,557
Dry, condensed, and evaporated dairy product manufacturing	<1	884	1,354	11,880
Fluid milk manufacturing	<1	3,750	4,680	29,166
Creamery butter manufacturing	<1	59	141	1,536
Ice cream and frozen dessert manufacturing	<1	1,364	1,674	7,426
Frozen cakes and other pastries manufacturing	<1	3,821	5,205	9,361
Poultry processing	<1	948	1,126	5,238
Animal, except poultry, slaughtering	<1	1,302	1,743	12,952
Meat processed from carcasses	<1	3,326	3,499	21,141
Rendering and meat byproduct processing	<1	238	301	1,300
Seafood product preparation and packaging	<1	1,508	1,684	5,675
Bread and bakery product, except frozen, manufacturing	<1	11,885	14,429	36,769
Cookie and cracker manufacturing	<1	1,611	2,002	8,236
Dry pasta, mixes, and dough manufacturing	<1	405	582	3,776
Tortilla manufacturing	<1	63	71	275
Roasted nuts and peanut butter manufacturing	<1	1,373	1,848	7,125
Other snack food manufacturing	<1	1,502	2,067	9,311
Coffee and tea manufacturing	<1	984	1,278	7,713
Flavoring syrup and concentrate manufacturing	<1	779	2,084	11,116
Mayonnaise, dressing, and sauce manufacturing	<1	593	776	3,922
Spice and extract manufacturing	<1	1,940	2,447	10,462
All other food manufacturing	<1	3,126	3,721	17,315
Bottled and canned soft drinks & water	<1	3,935	4,610	14,323
Manufactured ice	<1	315	229	486
Breweries	<1	8,700	16,233	34,515
Wineries	<1	4,458	6,131	17,749
Distilleries	<1	2,955	14,687	22,161
Tobacco product manufacturing	<1	4,597	72,575	88,030
Fiber, yarn, and thread mills	<1	46	74	299
Broadwoven fabric mills	<1	447	730	2,088
Narrow fabric mills and schiffli machine embroidery	<1	124	137	344

Appendix

Nonwoven fabric mills	<1	2,103	3,510	13,699
Knit fabric mills	<1	99	121	322
Textile and fabric finishing mills	<1	1,042	1,262	3,126
Fabric coating mills	<1	852	1,025	3,495
Carpet and rug mills	<1	324	568	1,215
Curtain and linen mills	<1	552	707	1,992
Textile bag and canvas mills	<1	536	642	1,918
Rope, cordage, twine, tire cord and tire fabric mills	<1	194	290	840
Other textile product mills	<1	675	804	1,853
Hosiery and sock mills	<1	151	250	439
Other apparel knitting mills	<1	695	939	1,744
Cut and sew apparel contractors	<1	5,681	6,402	12,809
Mens and boys cut and sew apparel manufacturing	<1	1,313	1,828	3,552
Womens and girls cut and sew apparel manufacturing	<1	3,073	5,826	13,415
Other cut and sew apparel manufacturing	<1	789	1,314	3,030
Apparel accessories and other apparel manufacturing	<1	545	903	2,064
Leather and hide tanning and finishing	<1	231	492	1,618
Footwear manufacturing	<1	154	188	530
Other leather and allied product manufacturing	<1	154	172	414
Sawmills	<1	1,255	1,454	6,173
Wood preservation	<1	26	38	203
Veneer and plywood manufacturing	<1	100	115	473
Engineered wood member and truss manufacturing	<1	282	317	1,063
Reconstituted wood product manufacturing	<1	30	41	255
Wood windows and door manufacturing	<1	1,090	1,215	3,347
Cut stock, resawing lumber, and planing	<1	172	204	705
Other millwork, including flooring	<1	873	1,007	2,944
Wood container and pallet manufacturing	<1	999	1,094	3,167
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	87	95	318
All other miscellaneous wood product manufacturing	<1	411	467	1,545
Pulp mills	<1	220	249	893

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Paper mills	<1	6,205	8,306	36,801
Paperboard mills	<1	886	1,259	4,654
Paperboard container manufacturing	<1	7,745	9,597	37,946
Paper bag and coated and treated paper manufacturing	<1	3,464	4,470	15,651
Stationery product manufacturing	<1	234	290	1,061
Sanitary paper product manufacturing	<1	1,623	2,584	10,815
All other converted paper product manufacturing	<1	271	332	1,184
Printing	<1	19,475	31,441	55,924
Support activities for printing	<1	2,110	3,047	4,237
Petroleum refineries	<1	62	364	2,458
Asphalt paving mixture and block manufacturing	<1	639	911	2,248
Asphalt shingle and coating materials manufacturing	<1	37	99	180
Petroleum lubricating oil and grease manufacturing	<1	599	1,577	3,361
All other petroleum and coal products manufacturing	<1	153	451	1,020
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,043	2,067	5,617
Synthetic dye and pigment manufacturing	<1	98	188	651
Other basic inorganic chemical manufacturing	<1	1,055	2,335	7,937
Other basic organic chemical manufacturing	<1	1,440	2,754	19,806
Plastics material and resin manufacturing	<1	1,299	2,070	11,633
Synthetic rubber manufacturing	<1	451	650	2,086
Artificial and synthetic fibers and filaments manufacturing	<1	1,728	2,324	7,633
Nitrogenous fertilizer manufacturing	<1	174	415	1,663
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	213	420	1,470
Pesticide and other agricultural chemical manufacturing	<1	858	2,368	11,995
Medicinal and botanical manufacturing	<1	291	466	1,483
Pharmaceutical preparation manufacturing	<1	22,015	72,969	246,762
In-vitro diagnostic substance manufacturing	<1	481	683	2,061

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Biological product (except diagnostic) manufacturing	<1	5,982	12,088	25,486
Paint and coating manufacturing	<1	888	1,680	6,289
Adhesive manufacturing	<1	218	354	1,391
Soap and other detergent manufacturing	<1	584	1,858	6,030
Polish and other sanitation good manufacturing	<1	951	1,486	5,575
Surface active agent manufacturing	<1	31	103	355
Toilet preparation manufacturing	<1	5,503	16,737	41,716
Printing ink manufacturing	<1	577	629	2,474
Explosives manufacturing	<1	9	10	26
Custom compounding of purchased resins	<1	197	390	1,617
Photographic film and chemical manufacturing	<1	3,681	7,965	24,761
Other miscellaneous chemical product manufacturing	<1	34,013	56,042	223,528
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,756	4,388	12,312
Unlaminated plastics profile shape manufacturing	<1	646	2,410	4,337
Plastics pipe and pipe fitting manufacturing	<1	207	1,021	2,117
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	320	950	1,873
Polystyrene foam product manufacturing	<1	730	1,880	4,859
Urethane and other foam product (except polystyrene) manufacturing	<1	286	694	1,791
Plastics bottle manufacturing	<1	149	355	1,295
Other plastics product manufacturing	<1	10,383	21,478	50,429
Tire manufacturing	<1	930	2,055	6,017
Rubber and plastics hoses and belting manufacturing	<1	1,570	3,286	7,212
Other rubber product manufacturing	<1	945	1,824	4,831
Pottery, ceramics, and plumbing fixture manufacturing	<1	492	875	1,513
Brick, tile, and other structural clay product manufacturing	<1	409	976	1,735
Flat glass manufacturing	<1	147	444	832
Other pressed and blown glass and glassware manufacturing	<1	901	2,184	4,172
Glass container manufacturing	<1	544	1,168	2,451

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Glass product manufacturing made of purchased glass	<1	978	2,295	4,366
Cement manufacturing	<1	157	583	1,204
Ready-mix concrete manufacturing	<1	1,123	2,637	6,350
Concrete block and brick manufacturing	<1	299	758	1,503
Concrete pipe manufacturing	<1	43	101	182
Other concrete product manufacturing	<1	466	830	1,692
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	352	1,465	2,873
Abrasive product manufacturing	<1	744	3,008	4,227
Cut stone and stone product manufacturing	<1	706	974	1,930
Ground or treated mineral and earth manufacturing	<1	584	2,491	4,548
Mineral wool manufacturing	<1	197	697	1,185
Miscellaneous nonmetallic mineral products manufacturing	<1	120	519	832
Iron and steel mills and ferroalloy manufacturing	<1	1,490	2,231	20,454
Iron, steel pipe and tube manufacturing from purchased steel	<1	439	583	3,656
Rolled steel shape manufacturing	<1	1,674	2,472	12,342
Steel wire drawing	<1	21	24	123
Alumina refining and primary aluminum production	<1	2,123	2,651	16,199
Secondary smelting and alloying of aluminum	<1	567	837	7,954
Aluminum sheet, plate, and foil manufacturing	<1	4,644	6,860	36,290
Other aluminum rolling, drawing and extruding	<1	372	448	2,358
Nonferrous metal (exc aluminum) smelting and refining	<1	89	220	1,560
Copper rolling, drawing, extruding and alloying	<1	25,662	33,025	279,446
Nonferrous metal, except copper and aluminum, shaping	<1	953	1,047	4,428
Secondary processing of other nonferrous metals	<1	473	531	4,065
Ferrous metal foundries	<1	5,121	6,035	17,147
Nonferrous metal foundries	<1	1,451	1,743	5,451
Custom roll forming	<1	140	211	1,132
Crown and closure manufacturing and metal stamping	<1	2,936	3,565	9,812
Iron and steel forging	<1	2,964	4,378	15,029

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Nonferrous forging	<1	624	826	2,669
Cutlery, utensil, pot, and pan manufacturing	<1	2,247	4,918	12,870
Handtool manufacturing	<1	630	944	2,153
Prefabricated metal buildings and components manufacturing	<1	141	174	516
Fabricated structural metal manufacturing	<1	1,179	1,584	4,709
Plate work manufacturing	<1	1,004	1,101	2,972
Metal window and door manufacturing	<1	1,308	1,657	4,011
Sheet metal work manufacturing	<1	3,613	4,501	11,216
Ornamental and architectural metal work manufacturing	<1	1,524	1,845	4,386
Power boiler and heat exchanger manufacturing	<1	378	497	1,382
Metal tank (heavy gauge) manufacturing	<1	255	306	779
Metal cans manufacturing	<1	804	1,578	6,994
Metal barrels, drums and pails manufacturing	<1	392	477	1,660
Hardware manufacturing	<1	450	646	1,906
Spring and wire product manufacturing	<1	567	703	2,126
Machine shops	<1	28,827	34,042	69,388
Turned product and screw, nut, and bolt manufacturing	<1	10,804	14,549	40,757
Metal heat treating	<1	1,067	1,422	3,337
Metal coating and nonprecious engraving	<1	2,403	3,712	8,861
Electroplating, anodizing, and coloring metal	<1	2,762	3,079	6,468
Valve and fittings, other than plumbing, manufacturing	5	455,711	679,653	1,753,021
Plumbing fixture fitting and trim manufacturing	<1	162	382	1,207
Ball and roller bearing manufacturing	<1	2,506	3,921	9,329
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	32	37	64
Small arms, ordnance, and accessories manufacturing	<1	775	1,289	2,933
Fabricated pipe and pipe fitting manufacturing	<1	1,045	1,200	2,711
Other fabricated metal manufacturing	<1	7,687	9,523	23,692
Farm machinery and equipment manufacturing	<1	22	43	159

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Lawn and garden equipment manufacturing	<1	187	390	1,712
Construction machinery manufacturing	<1	10	26	70
Mining machinery and equipment manufacturing	<1	9	16	42
Oil and gas field machinery and equipment manufacturing	<1	12	22	60
Semiconductor machinery manufacturing	<1	374	455	1,186
Food product machinery manufacturing	<1	4	6	16
Sawmill, woodworking, and paper machinery	<1	48	57	174
Printing machinery and equipment manufacturing	<1	65	76	197
All other industrial machinery manufacturing	<1	134	186	468
Optical instrument and lens manufacturing	<1	73	111	309
Photographic and photocopying equipment manufacturing	<1	1,456	2,102	5,687
Other commercial service industry machinery manufacturing	<1	133	245	695
Air purification and ventilation equipment manufacturing	<1	391	594	1,527
Heating equipment (except warm air furnaces) manufacturing	<1	471	812	1,905
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	352	726	1,884
Industrial mold manufacturing	<1	93	115	231
Special tool, die, jig, and fixture manufacturing	<1	271	389	707
Cutting tool and machine tool accessory manufacturing	<1	342	404	831
Machine tool manufacturing	<1	94	129	365
Rolling mill and other metalworking machinery manufacturing	<1	51	65	144
Turbine and turbine generator set units manufacturing	<1	139	195	485
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,541	2,600	6,330
Mechanical power transmission equipment manufacturing	<1	612	1,079	2,400
Other engine equipment manufacturing	<1	1,075	2,737	8,540

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Pump and pumping equipment manufacturing	<1	117	231	564
Air and gas compressor manufacturing	<1	36	79	238
Elevator and moving stairway manufacturing	<1	50	80	267
Conveyor and conveying equipment manufacturing	<1	17	20	52
Overhead cranes, hoists, and monorail systems manufacturing	<1	8	17	48
Industrial truck, trailer, and stacker manufacturing	<1	153	272	763
Power-driven handtool manufacturing	<1	90	267	674
Welding and soldering equipment manufacturing	<1	124	202	497
Packaging machinery manufacturing	<1	138	216	505
Industrial process furnace and oven manufacturing	<1	48	59	120
Fluid power cylinder and actuator manufacturing	<1	753	1,145	2,601
Fluid power pump and motor manufacturing	<1	3,137	5,489	12,017
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	441	578	1,354
Electronic computer manufacturing	2	484,788	870,055	2,089,113
Computer storage device manufacturing	<1	925	1,750	7,401
Computer terminals and other computer peripheral equipment manufacturing	<1	528	754	1,470
Telephone apparatus manufacturing	<1	70	99	431
Broadcast and wireless communications equipment manufacturing	<1	803	1,068	2,658
Other communications equipment manufacturing	<1	1,517	2,044	5,772
Audio and video equipment manufacturing	<1	177	251	765
Printed circuit assembly (electronic assembly) manufacturing	<1	11,287	16,473	67,126
Bare printed circuit board manufacturing	<1	179	213	581
Semiconductor and related device manufacturing	<1	62,515	88,872	272,787

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,010	2,616	6,856
Electronic connector manufacturing	<1	4,544	5,954	15,061
Other electronic component manufacturing	<1	1,280	1,578	4,557
Electromedical and electrotherapeutic apparatus manufacturing	<1	65	99	274
Search, detection, and navigation instruments manufacturing	<1	354	489	1,033
Automatic environmental control manufacturing	<1	751	932	2,489
Industrial process variable instruments manufacturing	<1	480	660	1,804
Totalizing fluid meter and counting device manufacturing	<1	41	68	187
Electricity and signal testing instruments manufacturing	<1	2,973	4,093	14,585
Analytical laboratory instrument manufacturing	<1	61,075	88,095	230,266
Irradiation apparatus manufacturing	<1	60	94	262
Watch, clock, and other measuring and controlling device manufacturing	<1	328	482	1,307
Blank magnetic and optical recording media manufacturing	<1	1	2	6
Software and other prerecorded and record reproducing	<1	641	818	1,333
Electric lamp bulb and part manufacturing	<1	42	64	189
Lighting fixture manufacturing	<1	2,107	2,553	7,776
Small electrical appliance manufacturing	<1	81	132	552
Household cooking appliance manufacturing	<1	3	4	18
Household refrigerator and home freezer manufacturing	<1	3	5	19
Household laundry equipment manufacturing	<1	7	10	47
Other major household appliance manufacturing	<1	<1	2	6
Power, distribution, and specialty transformer manufacturing	<1	48	61	188
Motor and generator manufacturing	<1	375	508	2,008
Switchgear and switchboard apparatus manufacturing	<1	370	502	1,494

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Relay and industrial control manufacturing	<1	4,753	5,744	14,341
Storage battery manufacturing	<1	32	37	105
Primary battery manufacturing	<1	2,129	4,025	7,644
Fiber optic cable manufacturing	<1	478	583	3,366
Other communication and energy wire manufacturing	<1	554	697	2,843
Wiring device manufacturing	<1	4,350	5,957	14,723
Carbon and graphite product manufacturing	<1	985	1,357	4,955
All other miscellaneous electrical equipment and component manufacturing	<1	77	85	266
Automobile manufacturing	<1	2	3	17
Light truck and utility vehicle manufacturing	<1	<1	<1	12
Heavy duty truck manufacturing	<1	2	2	18
Motor vehicle body manufacturing	<1	26	30	136
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	38	42	202
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,058	1,220	6,378
Motor vehicle electrical and electronic equipment manufacturing	<1	2,004	2,189	11,269
Motor vehicle transmission and power train parts manufacturing	<1	7,935	9,763	39,310
Motor vehicle seating and interior trim manufacturing	<1	29	31	120
Motor vehicle metal stamping	<1	1,180	1,253	3,540
Other motor vehicle parts manufacturing	<1	3,473	3,468	15,175
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	3,155	3,835	12,537
Aircraft manufacturing	<1	5	6	24
Aircraft engine and engine parts manufacturing	<1	885	1,066	3,993
Other aircraft parts and auxiliary equipment manufacturing	<1	757	813	1,974
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	31	33	73

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Railroad rolling stock manufacturing	<1	278	299	1,157
Ship building and repairing	<1	199	215	416
Boat building	<1	108	130	493
Motorcycle, bicycle, and parts manufacturing	<1	51	89	351
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	244	365	1,896
Wood kitchen cabinet and countertop manufacturing	<1	2,025	2,257	5,431
Upholstered household furniture manufacturing	<1	633	705	2,000
Nonupholstered wood household furniture manufacturing	<1	1,446	1,547	4,176
Other household nonupholstered furniture manufacturing	<1	417	538	1,963
Institutional furniture manufacturing	<1	14,140	15,312	49,721
Wood office furniture manufacturing	<1	5,768	7,239	21,073
Custom architectural woodwork and millwork	<1	75	69	188
Office furniture, except wood, manufacturing	<1	60,151	83,253	234,830
Showcase, partition, shelving, and locker manufacturing	<1	950	1,103	3,302
Mattress manufacturing	<1	241	354	1,433
Blind and shade manufacturing	<1	183	190	614
Surgical and medical instrument manufacturing	<1	634	804	1,964
Surgical appliance and supplies manufacturing	<1	1,730	2,332	6,003
Dental equipment and supplies manufacturing	<1	82	96	238
Ophthalmic goods manufacturing	<1	834	1,082	2,223
Dental laboratories	<1	1,818	1,864	2,960
Jewelry and silverware manufacturing	<1	1,456	1,772	3,811
Sporting and athletic goods manufacturing	<1	334	386	1,144
Doll, toy, and game manufacturing	<1	324	386	1,242
Office supplies (except paper) manufacturing	<1	872	1,010	2,646
Sign manufacturing	<1	447	383	829
Gasket, packing, and sealing device manufacturing	<1	754	811	1,850

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Musical instrument manufacturing	<1	656	692	1,366
Fasteners, buttons, needles, and pins manufacturing	<1	105	120	286
Broom, brush, and mop manufacturing	<1	535	669	1,838
Burial casket manufacturing	<1	29	32	67
All other miscellaneous manufacturing	<1	2,175	2,570	5,859
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,892	19,280	43,616
Wholesale - Professional and commercial equipment and supplies	<1	93,362	143,264	226,349
Wholesale - Household appliances and electrical and electronic goods	<1	38,125	81,256	161,341
Wholesale - Machinery, equipment, and supplies	<1	23,757	43,468	73,013
Wholesale - Other durable goods merchant wholesalers	<1	78,258	127,960	223,099
Wholesale - Drugs and druggists' sundries	<1	25,229	64,206	122,225
Wholesale - Grocery and related product wholesalers	<1	49,361	64,503	122,081
Wholesale - Petroleum and petroleum products	<1	4,758	78,844	85,270
Wholesale - Other nondurable goods merchant wholesalers	<1	95,590	197,202	303,675
Wholesale - Wholesale electronic markets and agents and brokers	<1	116,438	120,563	137,010
Retail - Motor vehicle and parts dealers	<1	23,324	36,078	51,067
Retail - Furniture and home furnishings stores	<1	17,782	23,940	36,260
Retail - Electronics and appliance stores	<1	23,357	21,039	33,676
Retail - Building material and garden equipment and supplies stores	<1	18,702	32,926	47,232
Retail - Food and beverage stores	2	63,491	84,509	132,816
Retail - Health and personal care stores	<1	40,398	49,052	70,288
Retail - Gasoline stores	<1	10,270	16,599	28,352
Retail - Clothing and clothing accessories stores	<1	36,207	51,364	84,905
Retail - Sporting goods, hobby, musical instrument and book stores	<1	15,403	20,321	29,767
Retail - General merchandise stores	1	39,879	59,931	93,263

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Retail - Miscellaneous store retailers	<1	39,479	42,326	55,327
Retail - Nonstore retailers	<1	48,362	142,096	214,710
Air transportation	<1	58,732	130,830	207,857
Rail transportation	<1	5,974	6,949	19,790
Water transportation	<1	7,996	12,433	46,696
Truck transportation	1	78,241	92,031	175,999
Transit and ground passenger transportation	2	91,598	118,264	132,577
Pipeline transportation	<1	17,525	21,239	22,019
Scenic and sightseeing transportation and support activities for transportation	<1	44,971	50,038	105,000
Couriers and messengers	<1	30,500	43,815	71,251
Warehousing and storage	<1	21,876	26,358	54,275
Newspaper publishers	<1	10,791	21,133	23,143
Periodical publishers	<1	43,227	77,488	88,466
Book publishers	<1	11,641	43,428	56,130
Directory, mailing list, and other publishers	<1	21,834	76,144	96,351
Greeting card publishing	<1	105	376	503
Software publishers	3	672,065	1,809,405	1,890,608
Motion picture and video industries	<1	53,075	100,336	126,430
Sound recording industries	<1	7,268	60,405	61,615
Radio and television broadcasting	<1	131,295	149,721	154,391
Cable and other subscription programming	<1	77,242	277,530	267,537
Wired telecommunications carriers	<1	56,180	180,836	253,763
Wireless telecommunications carriers (except satellite)	<1	4,611	55,399	82,882
Satellite, telecommunications resellers, and all other telecommunications	<1	8,154	14,313	25,977
Data processing, hosting, and related services	<1	122,243	228,738	386,244
News syndicates, libraries, archives and all other information services	<1	34,572	62,377	114,351
Internet publishing and broadcasting and web search portals	<1	287,450	636,861	907,830
Nondepository credit intermediation and related activities	<1	110,956	197,298	231,450
Securities and commodity contracts intermediation and brokerage	1	453,451	382,070	382,907

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Monetary authorities and depository credit intermediation	<1	122,482	894,823	902,756
Other financial investment activities	<1	283,099	335,742	371,903
Direct life insurance carriers	<1	38,361	99,850	111,570
Insurance carriers, except direct life	<1	89,624	455,462	636,661
Insurance agencies, brokerages, and related activities	3	336,304	709,515	1,157,019
Funds, trusts, and other financial vehicles	<1	33,447	45,986	152,279
Other real estate	6	259,494	726,278	1,425,007
Tenant-occupied housing	<1	37,485	273,687	318,771
Owner-occupied dwellings	0	0	868,840	1,102,954
Automotive equipment rental and leasing	<1	38,692	63,821	84,489
General and consumer goods rental except video tapes and discs	<1	20,751	24,729	34,143
Video tape and disc rental	<1	3,083	5,001	7,324
Commercial and industrial machinery and equipment rental and leasing	<1	89,396	148,592	198,023
Lessors of nonfinancial intangible assets	<1	4,901	69,813	76,651
Legal services	2	261,099	439,284	530,703
Accounting, tax preparation, bookkeeping, and payroll services	1	170,820	201,463	261,377
Architectural, engineering, and related services	1	142,176	151,991	236,075
Specialized design services	<1	45,107	62,416	82,816
Custom computer programming services	<1	115,475	120,670	147,863
Computer systems design services	<1	85,653	79,742	95,403
Other computer related services, including facilities management	<1	37,233	51,836	79,557
Management consulting services	2	269,288	277,231	357,539
Environmental and other technical consulting services	<1	32,394	33,768	45,345
Scientific research and development services	25	2,836,185	3,606,064	6,267,862
Advertising, public relations, and related services	1	168,386	202,519	271,730
Photographic services	<1	3,824	7,583	12,091
Veterinary services	<1	9,575	10,994	15,880
Marketing research and all other miscellaneous professional, scientific, and technical services	2	343,689	503,334	756,177

Appendix

Management of companies and enterprises	4	615,891	713,097	1,034,005
Office administrative services	1	137,456	54,394	92,170
Facilities support services	<1	3,654	5,484	9,651
Employment services	4	279,177	414,062	508,134
Business support services	3	223,653	192,254	269,071
Travel arrangement and reservation services	<1	17,985	23,851	45,081
Investigation and security services	<1	44,623	45,308	60,762
Services to buildings	<1	47,801	68,638	103,435
Landscape and horticultural services	4	186,375	240,319	369,014
Other support services	<1	65,558	85,668	136,387
Waste management and remediation services	<1	20,060	35,088	61,129
Elementary and secondary schools	1	74,294	63,002	70,571
Junior colleges, colleges, universities, and professional schools	5	341,901	463,683	555,941
Other educational services	<1	38,309	45,315	77,301
Offices of physicians	2	235,489	248,150	343,263
Offices of dentists	<1	44,074	55,960	77,065
Offices of other health practitioners	<1	32,702	48,322	63,511
Outpatient care centers	<1	49,709	46,332	77,061
Medical and diagnostic laboratories	<1	19,288	28,218	37,741
Home health care services	2	63,872	61,949	82,049
Other ambulatory health care services	<1	12,176	13,722	22,103
Hospitals	4	465,537	538,829	929,115
Nursing and community care facilities	1	68,688	72,675	112,501
Residential mental retardation, mental health, substance abuse and other facilities	<1	42,579	44,099	64,295
Individual and family services	3	123,378	109,198	149,756
Child day care services	<1	34,859	53,660	66,817
Community food, housing, and other relief services, including rehabilitation services	<1	31,005	30,847	59,127
Performing arts companies	<1	18,715	24,207	29,985
Commercial Sports Except Racing	<1	36,571	27,355	33,041
Racing and Track Operation	<1	3,358	5,525	6,506
Independent artists, writers, and performers	<1	28,707	65,648	75,694

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Promoters of performing arts and sports and agents for public figures	<1	29,468	45,436	59,557
Museums, historical sites, zoos, and parks	<1	9,527	11,844	17,055
Amusement parks and arcades	<1	1,092	2,150	3,084
Gambling industries (except casino hotels)	<1	13,912	40,258	51,398
Other amusement and recreation industries	<1	11,783	13,521	22,362
Fitness and recreational sports centers	<1	13,805	17,624	28,022
Bowling centers	<1	1,371	2,367	3,626
Hotels and motels, including casino hotels	2	145,968	325,784	416,975
Other accommodations	<1	47,494	67,182	82,267
Full-service restaurants	4	129,086	199,551	294,360
Limited-service restaurants	2	62,966	107,261	195,043
All other food and drinking places	2	93,159	140,885	188,834
Automotive repair and maintenance, except car washes	1	59,197	56,311	86,805
Car washes	<1	26,968	40,270	59,649
Electronic and precision equipment repair and maintenance	<1	31,914	42,163	60,752
Commercial and industrial machinery and equipment repair and maintenance	2	180,855	170,324	239,900
Personal and household goods repair and maintenance	<1	9,638	15,914	22,194
Personal care services	1	47,354	35,153	47,585
Death care services	<1	10,549	2,562	4,891
Dry-cleaning and laundry services	<1	20,763	4,312	8,486
Other personal services	<1	29,251	34,695	46,737
Religious organizations	1	80,101	14,035	93,100
Grantmaking, giving, and social advocacy organizations	<1	42,649	95,333	140,333
Business and professional associations	<1	32,925	45,829	70,325
Labor and civic organizations	<1	31,486	64,464	104,557
Private households	<1	21,639	21,639	21,639
Postal service	<1	43,445	43,470	46,033
Federal electric utilities	0	0	0	0
Other federal government enterprises	36	2,420,567	3,004,063	10,570,798
State government passenger transit	<1	17,778	-10,091	16,034
State government electric utilities	1	144,645	200,508	593,295

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Other state government enterprises	<1	11,517	11,238	17,482
Local government passenger transit	<1	21,677	-19,235	3,536
Local government electric utilities	<1	30	73	144
Other local government enterprises	<1	56,447	72,131	157,414
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	81,604	203,084	464,600

Investments in Climate Change Research and Technology

Table 723: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, New York

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>511</i>	<i>44,767,255</i>	<i>66,979,951</i>	<i>112,836,471</i>
Oilseed farming	<1	1,345	8,499	10,608
Grain farming	<1	6,573	18,574	48,589
Vegetable and melon farming	<1	4,402	10,528	14,200
Fruit farming	<1	5,009	13,293	13,260
Tree nut farming	<1	20	48	50
Greenhouse, nursery, and floriculture production	<1	4,417	7,327	9,999
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5,691	9,156	13,191
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	2,066	11,787	31,952

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Dairy cattle and milk production	<1	4,948	16,191	68,674
Poultry and egg production	<1	781	1,509	10,433
Animal production, except cattle and poultry and eggs	<1	5,514	16,632	22,372
Forestry, forest products, and timber tract production	<1	2,563	2,794	3,293
Commercial logging	<1	4,702	4,495	7,527
Commercial fishing	<1	1,050	1,209	1,676
Commercial hunting and trapping	<1	853	509	901
Support activities for agriculture and forestry	<1	28,035	24,477	30,873
Oil and gas extraction	<1	56,597	919	40,053
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	<1	14,632	29,124	79,699
Iron ore mining	0	0	0	0
Gold ore mining	<1	2,427	2,868	3,726
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,585	6,173	14,344
Sand and gravel mining	<1	3,309	5,572	12,277
Other clay, ceramic, refractory minerals mining	<1	44	67	158
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	742	1,430	3,263
Other nonmetallic minerals	<1	874	1,343	3,200
Drilling oil and gas wells	<1	6	<1	5
Support activities for oil and gas operations	<1	80	14	58
Metal mining services	<1	1,527	92	1,545
Other nonmetallic minerals services	<1	107	8	85
Electric power generation - Hydroelectric	<1	2,543	6,894	13,268
Electric power generation - Fossil fuel	<1	12,312	42,233	100,822
Electric power generation - Nuclear	<1	37,303	75,251	147,772
Electric power generation - Solar	<1	702	2,295	4,358
Electric power generation - Wind	<1	1,523	10,273	18,547
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	<1	507	1,907	5,285
Electric power generation - All other	<1	105	73	212
Electric power transmission and distribution	<1	136,161	421,032	977,991
Natural gas distribution	<1	34,397	84,913	176,376
Water, sewage and other systems	<1	4,718	9,063	14,802
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	122,026	184,625	377,628
Maintenance and repair construction of residential structures	<1	41,263	60,633	124,230
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	50	75	153
Dog and cat food manufacturing	<1	3,422	6,680	32,372
Other animal food manufacturing	<1	8,830	15,298	94,466
Flour milling	<1	2,834	3,924	28,382
Rice milling	0	0	0	0
Malt manufacturing	<1	734	959	6,993
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	28	129	3,230
Fats and oils refining and blending	<1	284	456	6,457
Breakfast cereal manufacturing	<1	95	156	1,267
Beet sugar manufacturing	0	0	0	0

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Sugar cane mills and refining	<1	668	1,051	7,643
Nonchocolate confectionery manufacturing	<1	1,226	1,550	8,050
Chocolate and confectionery manufacturing from cacao beans	<1	167	225	1,737
Confectionery manufacturing from purchased chocolate	<1	3,431	4,028	20,596
Frozen fruits, juices and vegetables manufacturing	<1	1,494	1,876	10,689
Frozen specialties manufacturing	<1	5,412	6,226	26,596
Canned fruits and vegetables manufacturing	<1	3,809	5,069	25,846
Canned specialties	<1	535	776	3,913
Dehydrated food products manufacturing	<1	380	468	1,952
Cheese manufacturing	<1	5,363	7,103	74,957
Dry, condensed, and evaporated dairy product manufacturing	<1	1,359	2,038	20,838
Fluid milk manufacturing	<1	8,111	9,903	64,158
Creamery butter manufacturing	<1	145	378	4,209
Ice cream and frozen dessert manufacturing	<1	1,454	1,719	8,592
Frozen cakes and other pastries manufacturing	<1	9,007	12,346	22,805
Poultry processing	<1	3,251	3,650	17,915
Animal, except poultry, slaughtering	<1	2,664	3,515	26,756
Meat processed from carcasses	<1	9,697	10,035	62,727
Rendering and meat byproduct processing	<1	611	763	3,460
Seafood product preparation and packaging	<1	3,098	3,321	12,469
Bread and bakery product, except frozen, manufacturing	<1	29,236	35,556	92,290
Cookie and cracker manufacturing	<1	3,492	4,075	19,342
Dry pasta, mixes, and dough manufacturing	<1	1,004	1,454	8,946
Tortilla manufacturing	<1	183	211	851
Roasted nuts and peanut butter manufacturing	<1	3,069	3,900	16,605
Other snack food manufacturing	<1	4,052	5,690	25,884
Coffee and tea manufacturing	<1	1,142	1,468	8,888
Flavoring syrup and concentrate manufacturing	<1	1,734	4,989	25,977
Mayonnaise, dressing, and sauce manufacturing	<1	611	826	4,373
Spice and extract manufacturing	<1	1,809	2,194	10,188
All other food manufacturing	<1	5,083	6,075	29,949

Appendix

Bottled and canned soft drinks & water	<1	10,305	11,760	38,082
Manufactured ice	<1	778	523	1,307
Breweries	<1	14,191	25,025	54,609
Wineries	<1	8,112	11,123	34,517
Distilleries	<1	6,701	30,294	49,545
Tobacco product manufacturing	<1	12,180	142,275	195,844
Fiber, yarn, and thread mills	<1	179	243	1,207
Broadwoven fabric mills	<1	1,642	2,252	7,330
Narrow fabric mills and schiffli machine embroidery	<1	260	280	745
Nonwoven fabric mills	<1	4,837	7,705	33,788
Knit fabric mills	<1	96	115	317
Textile and fabric finishing mills	<1	1,429	1,727	4,518
Fabric coating mills	<1	1,184	1,494	5,614
Carpet and rug mills	<1	918	1,299	3,633
Curtain and linen mills	<1	1,377	1,699	5,260
Textile bag and canvas mills	<1	1,398	1,630	5,198
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,090	1,493	4,750
Other textile product mills	<1	1,711	1,993	5,008
Hosiery and sock mills	<1	447	697	1,490
Other apparel knitting mills	<1	960	1,361	2,731
Cut and sew apparel contractors	<1	3,977	4,511	9,578
Mens and boys cut and sew apparel manufacturing	<1	2,587	3,558	7,932
Womens and girls cut and sew apparel manufacturing	<1	4,660	8,826	21,882
Other cut and sew apparel manufacturing	<1	1,404	2,351	5,956
Apparel accessories and other apparel manufacturing	<1	1,071	1,758	4,702
Leather and hide tanning and finishing	<1	709	1,369	4,983
Footwear manufacturing	<1	594	694	2,325
Other leather and allied product manufacturing	<1	339	378	975
Sawmills	<1	4,281	4,888	20,621
Wood preservation	<1	97	140	723
Veneer and plywood manufacturing	<1	343	397	1,575
Engineered wood member and truss manufacturing	<1	589	657	2,228
Reconstituted wood product manufacturing	<1	103	145	866
Wood windows and door manufacturing	<1	5,003	5,542	15,617

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Cut stock, resawing lumber, and planing	<1	574	679	2,377
Other millwork, including flooring	<1	3,127	3,586	11,101
Wood container and pallet manufacturing	<1	2,358	2,578	7,680
Manufactured home (mobile home) manufacturing	<1	1	1	4
Prefabricated wood building manufacturing	<1	338	372	1,185
All other miscellaneous wood product manufacturing	<1	990	1,098	4,042
Pulp mills	<1	2,123	2,579	8,824
Paper mills	<1	30,326	48,716	188,580
Paperboard mills	<1	4,631	7,068	23,998
Paperboard container manufacturing	<1	12,944	16,417	66,089
Paper bag and coated and treated paper manufacturing	<1	11,626	16,207	57,739
Stationery product manufacturing	<1	788	1,019	3,927
Sanitary paper product manufacturing	<1	6,445	11,110	42,813
All other converted paper product manufacturing	<1	867	1,087	3,640
Printing	4	232,399	349,662	716,279
Support activities for printing	<1	3,558	5,065	7,332
Petroleum refineries	<1	149	850	5,838
Asphalt paving mixture and block manufacturing	<1	2,302	3,251	8,484
Asphalt shingle and coating materials manufacturing	<1	114	291	541
Petroleum lubricating oil and grease manufacturing	<1	1,635	4,355	9,915
All other petroleum and coal products manufacturing	<1	896	3,044	6,955
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	5,044	9,673	26,441
Synthetic dye and pigment manufacturing	<1	310	560	1,765
Other basic inorganic chemical manufacturing	<1	2,866	5,582	19,867
Other basic organic chemical manufacturing	<1	8,728	16,356	104,497
Plastics material and resin manufacturing	<1	4,495	6,807	34,434
Synthetic rubber manufacturing	<1	1,793	2,519	7,417
Artificial and synthetic fibers and filaments manufacturing	<1	3,220	4,563	14,591

Appendix

Nitrogenous fertilizer manufacturing	<1	247	554	2,481
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	333	603	2,206
Pesticide and other agricultural chemical manufacturing	<1	3,855	10,384	50,325
Medicinal and botanical manufacturing	<1	518	785	2,794
Pharmaceutical preparation manufacturing	<1	41,139	126,900	469,100
In-vitro diagnostic substance manufacturing	<1	547	764	2,323
Biological product (except diagnostic) manufacturing	<1	8,711	16,399	37,909
Paint and coating manufacturing	<1	1,412	2,480	9,444
Adhesive manufacturing	<1	431	650	2,856
Soap and other detergent manufacturing	<1	1,308	3,687	15,621
Polish and other sanitation good manufacturing	<1	2,254	3,321	13,964
Surface active agent manufacturing	<1	105	307	1,201
Toilet preparation manufacturing	<1	11,925	33,425	88,441
Printing ink manufacturing	<1	1,355	1,462	5,740
Explosives manufacturing	<1	28	31	85
Custom compounding of purchased resins	<1	191	313	1,508
Photographic film and chemical manufacturing	<1	14,624	30,330	98,682
Other miscellaneous chemical product manufacturing	<1	1,335	2,076	8,162
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,860	7,303	20,983
Unlaminated plastics profile shape manufacturing	<1	1,795	6,809	12,802
Plastics pipe and pipe fitting manufacturing	<1	696	3,520	6,927
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	309	947	1,816
Polystyrene foam product manufacturing	<1	2,633	6,893	17,786
Urethane and other foam product (except polystyrene) manufacturing	<1	826	2,031	5,355
Plastics bottle manufacturing	<1	269	648	2,529
Other plastics product manufacturing	<1	22,658	46,786	116,764

Appendix

Tire manufacturing	<1	3,540	7,795	22,573
Rubber and plastics hoses and belting manufacturing	<1	1,088	2,321	5,060
Other rubber product manufacturing	<1	3,457	6,752	17,055
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,644	3,067	4,996
Brick, tile, and other structural clay product manufacturing	<1	1,600	3,996	6,689
Flat glass manufacturing	<1	453	1,484	2,687
Other pressed and blown glass and glassware manufacturing	<1	3,472	8,907	16,676
Glass container manufacturing	<1	1,231	2,761	5,546
Glass product manufacturing made of purchased glass	<1	3,865	9,455	17,449
Cement manufacturing	<1	596	2,363	4,695
Ready-mix concrete manufacturing	<1	4,481	10,908	25,821
Concrete block and brick manufacturing	<1	986	2,688	5,062
Concrete pipe manufacturing	<1	165	403	677
Other concrete product manufacturing	<1	1,866	3,455	6,820
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,165	5,325	9,869
Abrasive product manufacturing	<1	901	4,210	5,693
Cut stone and stone product manufacturing	<1	2,727	3,787	7,528
Ground or treated mineral and earth manufacturing	<1	911	4,122	7,264
Mineral wool manufacturing	<1	502	1,871	3,208
Miscellaneous nonmetallic mineral products manufacturing	<1	463	2,316	3,699
Iron and steel mills and ferroalloy manufacturing	<1	6,116	10,974	83,230
Iron, steel pipe and tube manufacturing from purchased steel	<1	255	397	2,348
Rolled steel shape manufacturing	<1	1,752	2,971	11,957
Steel wire drawing	<1	27	38	169
Alumina refining and primary aluminum production	<1	1,054	1,514	9,877
Secondary smelting and alloying of aluminum	<1	350	590	5,458
Aluminum sheet, plate, and foil manufacturing	<1	3,803	6,481	28,360
Other aluminum rolling, drawing and extruding	<1	229	311	1,549

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	220	662	4,028
Copper rolling, drawing, extruding and alloying	<1	5,162	7,051	63,426
Nonferrous metal, except copper and aluminum, shaping	<1	1,499	1,751	6,851
Secondary processing of other nonferrous metals	<1	285	483	2,922
Ferrous metal foundries	<1	820	1,133	2,856
Nonferrous metal foundries	<1	435	570	1,730
Custom roll forming	<1	40	65	338
Crown and closure manufacturing and metal stamping	<1	2,159	2,643	7,583
Iron and steel forging	<1	770	1,159	4,016
Nonferrous forging	<1	140	191	643
Cutlery, utensil, pot, and pan manufacturing	<1	3,147	6,853	18,584
Handtool manufacturing	<1	711	1,066	2,564
Prefabricated metal buildings and components manufacturing	<1	455	621	1,731
Fabricated structural metal manufacturing	<1	4,825	6,727	20,052
Plate work manufacturing	<1	1,720	1,880	5,145
Metal window and door manufacturing	<1	3,589	4,648	11,512
Sheet metal work manufacturing	<1	4,843	6,143	15,812
Ornamental and architectural metal work manufacturing	<1	4,517	5,612	13,814
Power boiler and heat exchanger manufacturing	<1	741	974	2,601
Metal tank (heavy gauge) manufacturing	<1	331	407	1,075
Metal cans manufacturing	<1	977	1,923	8,656
Metal barrels, drums and pails manufacturing	<1	299	364	1,359
Hardware manufacturing	<1	968	1,426	4,305
Spring and wire product manufacturing	<1	787	1,029	3,045
Machine shops	<1	10,468	12,473	26,130
Turned product and screw, nut, and bolt manufacturing	<1	3,003	4,164	12,028
Metal heat treating	<1	750	1,020	2,383
Metal coating and nonprecious engraving	<1	1,845	2,932	6,883
Electroplating, anodizing, and coloring metal	<1	2,439	2,742	5,791
Valve and fittings, other than plumbing, manufacturing	<1	1,861	2,724	7,317

Appendix

Plumbing fixture fitting and trim manufacturing	<1	422	1,003	3,271
Ball and roller bearing manufacturing	<1	766	1,263	3,098
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	139	164	284
Small arms, ordnance, and accessories manufacturing	<1	1,746	2,922	7,314
Fabricated pipe and pipe fitting manufacturing	<1	280	335	732
Other fabricated metal manufacturing	<1	2,920	3,679	9,358
Farm machinery and equipment manufacturing	<1	80	159	557
Lawn and garden equipment manufacturing	<1	264	511	2,551
Construction machinery manufacturing	<1	72	177	518
Mining machinery and equipment manufacturing	<1	55	94	251
Oil and gas field machinery and equipment manufacturing	<1	75	135	340
Semiconductor machinery manufacturing	<1	330	399	1,096
Food product machinery manufacturing	<1	9	11	34
Sawmill, woodworking, and paper machinery	<1	164	191	615
Printing machinery and equipment manufacturing	<1	185	211	589
All other industrial machinery manufacturing	<1	175	233	605
Optical instrument and lens manufacturing	<1	475	714	2,135
Photographic and photocopying equipment manufacturing	<1	490	692	1,949
Other commercial service industry machinery manufacturing	<1	278	474	1,404
Air purification and ventilation equipment manufacturing	<1	283	398	1,057
Heating equipment (except warm air furnaces) manufacturing	<1	1,457	2,345	6,311
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	808	1,550	4,443
Industrial mold manufacturing	<1	185	224	473
Special tool, die, jig, and fixture manufacturing	<1	242	334	642

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Cutting tool and machine tool accessory manufacturing	<1	251	292	613
Machine tool manufacturing	<1	157	208	602
Rolling mill and other metalworking machinery manufacturing	<1	128	156	356
Turbine and turbine generator set units manufacturing	<1	309	416	1,230
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,245	1,953	5,638
Mechanical power transmission equipment manufacturing	<1	2,909	4,866	11,589
Other engine equipment manufacturing	<1	921	2,077	8,705
Pump and pumping equipment manufacturing	<1	183	336	883
Air and gas compressor manufacturing	<1	170	326	957
Elevator and moving stairway manufacturing	<1	158	236	827
Conveyor and conveying equipment manufacturing	<1	37	44	119
Overhead cranes, hoists, and monorail systems manufacturing	<1	28	57	170
Industrial truck, trailer, and stacker manufacturing	<1	497	844	2,504
Power-driven handtool manufacturing	<1	88	250	712
Welding and soldering equipment manufacturing	<1	26	40	132
Packaging machinery manufacturing	<1	215	321	788
Industrial process furnace and oven manufacturing	<1	38	47	100
Fluid power cylinder and actuator manufacturing	<1	748	1,104	2,478
Fluid power pump and motor manufacturing	<1	644	1,081	2,525
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	357	452	1,154
Electronic computer manufacturing	<1	1,375	2,222	6,908
Computer storage device manufacturing	<1	257	483	2,033
Computer terminals and other computer peripheral equipment manufacturing	<1	29,303	40,794	77,017
Telephone apparatus manufacturing	<1	374	572	2,276

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Broadcast and wireless communications equipment manufacturing	<1	574	769	1,998
Other communications equipment manufacturing	<1	2,527	3,674	9,365
Audio and video equipment manufacturing	<1	266	383	1,213
Printed circuit assembly (electronic assembly) manufacturing	<1	1,952	2,984	12,140
Bare printed circuit board manufacturing	<1	157	191	465
Semiconductor and related device manufacturing	<1	2,725	4,211	14,399
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,253	1,637	4,465
Electronic connector manufacturing	<1	10,801	14,563	36,964
Other electronic component manufacturing	<1	825	1,050	3,025
Electromedical and electrotherapeutic apparatus manufacturing	<1	116	182	514
Search, detection, and navigation instruments manufacturing	<1	114	158	361
Automatic environmental control manufacturing	<1	435	548	1,492
Industrial process variable instruments manufacturing	<1	422	592	1,622
Totalizing fluid meter and counting device manufacturing	<1	198	366	954
Electricity and signal testing instruments manufacturing	<1	398	555	1,952
Analytical laboratory instrument manufacturing	<1	10,692	15,839	40,424
Irradiation apparatus manufacturing	<1	93	145	412
Watch, clock, and other measuring and controlling device manufacturing	<1	403	605	1,662
Blank magnetic and optical recording media manufacturing	<1	<1	1	4
Software and other prerecorded and record reproducing	<1	705	901	1,819
Electric lamp bulb and part manufacturing	<1	85	116	382
Lighting fixture manufacturing	<1	2,486	3,042	9,631
Small electrical appliance manufacturing	<1	160	242	1,169

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Household cooking appliance manufacturing	<1	7	10	45
Household refrigerator and home freezer manufacturing	<1	8	11	48
Household laundry equipment manufacturing	<1	19	25	124
Other major household appliance manufacturing	<1	3	4	15
Power, distribution, and specialty transformer manufacturing	<1	83	103	352
Motor and generator manufacturing	<1	625	811	3,296
Switchgear and switchboard apparatus manufacturing	<1	520	665	2,149
Relay and industrial control manufacturing	<1	2,509	2,951	7,684
Storage battery manufacturing	<1	53	64	190
Primary battery manufacturing	<1	2,321	2,314	8,273
Fiber optic cable manufacturing	<1	536	649	4,337
Other communication and energy wire manufacturing	<1	216	266	1,146
Wiring device manufacturing	<1	2,803	3,681	10,140
Carbon and graphite product manufacturing	<1	1,286	1,661	6,115
All other miscellaneous electrical equipment and component manufacturing	<1	5,807	6,421	18,856
Automobile manufacturing	<1	5	10	62
Light truck and utility vehicle manufacturing	<1	5	9	118
Heavy duty truck manufacturing	<1	6	10	77
Motor vehicle body manufacturing	<1	92	110	474
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	105	120	565
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,301	2,936	14,220
Motor vehicle electrical and electronic equipment manufacturing	<1	5,973	7,309	42,183
Motor vehicle transmission and power train parts manufacturing	<1	6,339	8,186	40,287
Motor vehicle seating and interior trim manufacturing	<1	112	128	501
Motor vehicle metal stamping	<1	8,464	9,411	27,797
Other motor vehicle parts manufacturing	<1	9,486	11,523	42,337

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	7,778	9,988	33,424
Aircraft manufacturing	<1	17,985	28,383	100,811
Aircraft engine and engine parts manufacturing	<1	594	805	3,103
Other aircraft parts and auxiliary equipment manufacturing	<1	32,806	39,541	93,483
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	16	17	40
Railroad rolling stock manufacturing	<1	176	187	793
Ship building and repairing	<1	684	735	1,434
Boat building	<1	469	557	2,181
Motorcycle, bicycle, and parts manufacturing	<1	93	161	660
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	646	903	5,019
Wood kitchen cabinet and countertop manufacturing	<1	3,600	4,625	10,842
Upholstered household furniture manufacturing	<1	1,213	1,351	3,866
Nonupholstered wood household furniture manufacturing	<1	2,325	2,642	7,133
Other household nonupholstered furniture manufacturing	<1	568	803	2,883
Institutional furniture manufacturing	<1	42	45	149
Wood office furniture manufacturing	<1	81	105	318
Custom architectural woodwork and millwork	<1	196	183	528
Office furniture, except wood, manufacturing	<1	675	998	2,724
Showcase, partition, shelving, and locker manufacturing	<1	581	778	2,279
Mattress manufacturing	<1	698	1,053	4,366
Blind and shade manufacturing	<1	559	586	1,889
Surgical and medical instrument manufacturing	<1	1,358	1,691	4,539
Surgical appliance and supplies manufacturing	<1	3,448	4,410	12,407
Dental equipment and supplies manufacturing	<1	169	198	516

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Ophthalmic goods manufacturing	<1	2,067	2,520	5,529
Dental laboratories	<1	3,950	4,038	6,497
Jewelry and silverware manufacturing	<1	4,530	5,368	11,826
Sporting and athletic goods manufacturing	<1	900	1,023	3,330
Doll, toy, and game manufacturing	<1	697	776	2,712
Office supplies (except paper) manufacturing	<1	2,222	2,509	7,455
Sign manufacturing	<1	1,536	1,247	2,801
Gasket, packing, and sealing device manufacturing	<1	2,261	2,390	5,698
Musical instrument manufacturing	<1	842	850	1,784
Fasteners, buttons, needles, and pins manufacturing	<1	227	248	606
Broom, brush, and mop manufacturing	<1	1,144	1,076	3,958
Burial casket manufacturing	<1	169	183	432
All other miscellaneous manufacturing	<1	5,769	6,614	16,235
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	21,525	47,066	106,031
Wholesale - Professional and commercial equipment and supplies	<1	124,855	192,465	309,918
Wholesale - Household appliances and electrical and electronic goods	<1	41,403	92,084	184,905
Wholesale - Machinery, equipment, and supplies	<1	51,752	96,972	162,531
Wholesale - Other durable goods merchant wholesalers	1	108,204	178,965	314,697
Wholesale - Drugs and druggists' sundries	<1	71,212	186,955	362,617
Wholesale - Grocery and related product wholesalers	1	97,828	129,120	246,769
Wholesale - Petroleum and petroleum products	<1	14,134	165,110	184,313
Wholesale - Other nondurable goods merchant wholesalers	2	186,663	366,891	586,808
Wholesale - Wholesale electronic markets and agents and brokers	<1	86,673	89,794	102,283
Retail - Motor vehicle and parts dealers	1	72,461	111,950	160,108
Retail - Furniture and home furnishings stores	1	52,472	70,613	109,247
Retail - Electronics and appliance stores	1	70,879	62,397	102,901

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Retail - Building material and garden equipment and supplies stores	1	53,802	94,968	137,559
Retail - Food and beverage stores	5	172,332	232,397	374,769
Retail - Health and personal care stores	2	123,951	149,796	216,014
Retail - Gasoline stores	<1	28,806	49,701	90,231
Retail - Clothing and clothing accessories stores	2	105,853	153,192	264,500
Retail - Sporting goods, hobby, musical instrument and book stores	1	45,837	60,560	91,355
Retail - General merchandise stores	4	130,305	194,155	303,776
Retail - Miscellaneous store retailers	2	111,096	120,440	164,969
Retail - Nonstore retailers	3	138,903	384,767	602,605
Air transportation	1	135,394	282,452	466,619
Rail transportation	<1	14,723	20,653	54,115
Water transportation	<1	23,331	35,899	142,420
Truck transportation	3	166,096	200,183	392,619
Transit and ground passenger transportation	4	146,400	184,445	226,856
Pipeline transportation	<1	73,061	67,324	69,616
Scenic and sightseeing transportation and support activities for transportation	3	168,531	186,829	388,081
Couriers and messengers	2	65,012	92,419	152,491
Warehousing and storage	1	48,020	57,821	121,332
Newspaper publishers	<1	25,676	49,592	55,602
Periodical publishers	<1	49,842	88,129	109,239
Book publishers	<1	19,860	75,153	99,079
Directory, mailing list, and other publishers	<1	4,585	15,213	19,517
Greeting card publishing	<1	131	435	613
Software publishers	<1	125,006	333,269	354,938
Motion picture and video industries	<1	91,496	169,159	265,916
Sound recording industries	<1	6,062	45,457	53,333
Radio and television broadcasting	<1	169,456	211,267	319,912
Cable and other subscription programming	<1	50,935	288,448	360,140
Wired telecommunications carriers	<1	127,541	419,938	607,835
Wireless telecommunications carriers (except satellite)	<1	11,953	136,067	213,708

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Satellite, telecommunications resellers, and all other telecommunications	<1	12,173	22,485	45,191
Data processing, hosting, and related services	<1	118,211	223,033	474,255
News syndicates, libraries, archives and all other information services	<1	17,743	30,781	63,455
Internet publishing and broadcasting and web search portals	1	257,290	582,734	1,415,004
Nondepository credit intermediation and related activities	<1	163,241	284,880	360,700
Securities and commodity contracts intermediation and brokerage	3	796,924	699,117	843,471
Monetary authorities and depository credit intermediation	2	406,711	2,745,606	2,933,212
Other financial investment activities	2	501,823	619,694	842,207
Direct life insurance carriers	<1	115,000	283,401	336,817
Insurance carriers, except direct life	2	249,213	1,163,122	1,779,923
Insurance agencies, brokerages, and related activities	2	178,777	369,072	628,772
Funds, trusts, and other financial vehicles	1	77,219	102,416	408,917
Other real estate	27	909,148	2,638,268	5,784,367
Tenant-occupied housing	3	101,031	675,994	816,069
Owner-occupied dwellings	0	0	2,239,080	2,842,413
Automotive equipment rental and leasing	<1	31,077	70,695	99,932
General and consumer goods rental except video tapes and discs	<1	42,885	56,717	84,389
Video tape and disc rental	<1	9,038	15,035	22,160
Commercial and industrial machinery and equipment rental and leasing	<1	48,676	102,251	140,675
Lessors of nonfinancial intangible assets	<1	14,611	187,983	207,358
Legal services	8	1,125,488	1,841,913	2,280,369
Accounting, tax preparation, bookkeeping, and payroll services	3	343,830	384,170	523,104
Architectural, engineering, and related services	4	481,601	498,530	797,150
Specialized design services	<1	36,610	45,844	66,913
Custom computer programming services	1	141,590	150,378	193,122

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Computer systems design services	1	161,414	148,898	182,795
Other computer related services, including facilities management	<1	34,231	47,933	77,170
Management consulting services	8	1,209,684	1,237,174	1,663,039
Environmental and other technical consulting services	<1	101,956	105,036	144,350
Scientific research and development services	151	15,600,411	20,555,115	36,845,333
Advertising, public relations, and related services	3	376,018	434,821	632,483
Photographic services	<1	11,222	19,536	34,474
Veterinary services	<1	28,396	31,148	46,830
Marketing research and all other miscellaneous professional, scientific, and technical services	3	349,346	478,335	792,663
Management of companies and enterprises	9	1,401,082	1,613,042	2,435,196
Office administrative services	2	295,962	109,792	208,171
Facilities support services	<1	9,941	15,014	29,215
Employment services	15	962,638	1,395,678	1,837,238
Business support services	3	171,662	143,811	219,001
Travel arrangement and reservation services	<1	59,242	78,412	152,060
Investigation and security services	3	120,653	121,516	172,232
Services to buildings	4	156,904	221,492	357,538
Landscape and horticultural services	1	71,005	90,663	146,141
Other support services	<1	48,174	62,482	106,489
Waste management and remediation services	<1	58,417	102,196	181,960
Elementary and secondary schools	3	161,109	137,823	157,409
Junior colleges, colleges, universities, and professional schools	30	2,007,545	2,755,415	3,355,324
Other educational services	7	308,758	360,121	641,787
Offices of physicians	6	699,800	731,477	1,016,819
Offices of dentists	2	126,039	155,811	218,154
Offices of other health practitioners	2	98,501	139,800	186,016
Outpatient care centers	2	133,206	122,778	203,357
Medical and diagnostic laboratories	<1	54,285	76,419	105,507
Home health care services	5	191,471	184,227	244,887
Other ambulatory health care services	<1	34,539	38,336	62,682

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Hospitals	11	1,115,378	1,303,185	2,283,399
Nursing and community care facilities	3	182,654	192,939	310,611
Residential mental retardation, mental health, substance abuse and other facilities	2	96,682	99,853	149,850
Individual and family services	8	297,481	256,938	361,268
Child day care services	3	91,610	134,774	174,970
Community food, housing, and other relief services, including rehabilitation services	2	68,977	68,156	136,256
Performing arts companies	<1	38,976	52,366	72,685
Commercial Sports Except Racing	<1	78,067	62,761	78,019
Racing and Track Operation	<1	8,152	14,000	19,187
Independent artists, writers, and performers	<1	54,109	146,097	174,071
Promoters of performing arts and sports and agents for public figures	1	62,160	102,125	147,068
Museums, historical sites, zoos, and parks	<1	24,667	30,908	46,161
Amusement parks and arcades	<1	2,518	5,893	8,585
Gambling industries (except casino hotels)	<1	34,615	100,518	133,722
Other amusement and recreation industries	1	32,023	38,424	66,530
Fitness and recreational sports centers	1	33,093	44,796	74,344
Bowling centers	<1	3,808	6,849	10,897
Hotels and motels, including casino hotels	5	245,465	568,383	746,076
Other accommodations	2	88,534	126,888	159,021
Full-service restaurants	11	362,952	548,322	843,372
Limited-service restaurants	7	174,587	291,797	562,667
All other food and drinking places	6	240,400	363,142	505,291
Automotive repair and maintenance, except car washes	3	150,579	154,071	238,053
Car washes	1	71,800	108,261	162,291
Electronic and precision equipment repair and maintenance	<1	45,482	58,998	88,960
Commercial and industrial machinery and equipment repair and maintenance	<1	41,726	39,914	59,356
Personal and household goods repair and maintenance	<1	26,319	46,110	64,956
Personal care services	4	120,953	95,505	129,248
Death care services	<1	24,326	7,664	13,809

Appendix

Dry-cleaning and laundry services	2	54,801	14,773	27,398
Other personal services	2	80,303	97,196	133,246
Religious organizations	3	195,303	44,915	248,941
Grantmaking, giving, and social advocacy organizations	1	87,200	218,579	319,314
Business and professional associations	<1	56,177	85,206	133,134
Labor and civic organizations	1	69,585	158,228	249,182
Private households	3	55,483	55,483	55,483
Postal service	1	107,662	107,717	114,303
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	55,006	83,595	251,328
State government passenger transit	<1	3,059	-1,428	5,203
State government electric utilities	<1	21,428	28,261	82,176
Other state government enterprises	<1	88,949	92,505	158,233
Local government passenger transit	<1	52,539	-34,094	14,949
Local government electric utilities	<1	56	160	320
Other local government enterprises	2	164,820	238,919	521,406
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	18	3,601,645	3,891,776	8,903,325

North Carolina

NASA

Table 724: Detailed NASA Impacts by Types of Impact, North Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,102</i>	<i>63,253,888</i>	<i>99,140,930</i>	<i>175,483,049</i>
Oilseed farming	<1	56,849	90,865	212,579
Grain farming	<1	30,835	4,639	165,368
Vegetable and melon farming	<1	17,805	23,358	72,657
Fruit farming	<1	6,950	9,385	23,756
Tree nut farming	<1	104	148	389
Greenhouse, nursery, and floriculture production	<1	15,017	17,953	53,290
Tobacco farming	<1	24,266	20,928	60,361
Cotton farming	<1	1,885	2,233	6,422
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	12,608	13,873	43,085
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	6,174	8,986	35,161
Dairy cattle and milk production	<1	4,972	6,960	51,054
Poultry and egg production	<1	14,132	16,582	335,868
Animal production, except cattle and poultry and eggs	2	111,101	165,724	351,375
Forestry, forest products, and timber tract production	<1	2,492	2,755	3,497
Commercial logging	<1	23,409	23,911	39,817
Commercial fishing	<1	2,344	5,971	11,830
Commercial hunting and trapping	<1	2,249	4,656	6,704
Support activities for agriculture and forestry	2	70,853	70,853	87,726
Oil and gas extraction	<1	-36	589	257,238
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	1,921	2,346	3,160
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	1,060	1,358	2,758
Stone mining and quarrying	<1	17,753	37,287	81,953
Sand and gravel mining	<1	4,484	7,284	16,167

Appendix

Other clay, ceramic, refractory minerals mining	<1	1,683	2,431	5,913
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	552	796	1,968
Drilling oil and gas wells	<1	2	2	14
Support activities for oil and gas operations	<1	13	14	78
Metal mining services	<1	0	4	1,917
Other nonmetallic minerals services	<1	4	5	187
Electric power generation - Hydroelectric	<1	2,114	6,727	13,716
Electric power generation - Fossil fuel	<1	66,370	244,730	551,825
Electric power generation - Nuclear	<1	57,186	119,068	225,510
Electric power generation - Solar	<1	8,865	35,745	78,137
Electric power generation - Wind	<1	915	7,992	13,614
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,503	6,591	17,260
Electric power generation - All other	<1	1,556	1,236	2,788
Electric power transmission and distribution	1	212,581	754,440	1,726,178
Natural gas distribution	<1	88,112	267,718	599,609
Water, sewage and other systems	<1	30,549	62,648	110,483
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	26	1,649,431	1,802,385	4,012,914
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	222,179	289,836	746,410
Maintenance and repair construction of residential structures	1	76,830	100,565	255,461
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	113	149	380
Dog and cat food manufacturing	<1	2,756	8,718	37,880
Other animal food manufacturing	<1	11,520	20,582	155,658
Flour milling	<1	7,844	15,629	126,960
Rice milling	0	0	0	0
Malt manufacturing	<1	1,628	3,176	31,509
Wet corn milling	<1	6,297	18,288	91,818
Soybean and other oilseed processing	<1	2,727	15,242	108,160
Fats and oils refining and blending	<1	1,592	3,333	31,991
Breakfast cereal manufacturing	<1	1,330	3,394	10,694
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	2,581	4,152	21,789
Chocolate and confectionery manufacturing from cacao beans	<1	317	505	2,531
Confectionery manufacturing from purchased chocolate	<1	677	983	6,224
Frozen fruits, juices and vegetables manufacturing	<1	696	1,425	5,860
Frozen specialties manufacturing	<1	2,277	3,262	13,811
Canned fruits and vegetables manufacturing	<1	8,117	17,202	70,186
Canned specialties	<1	10,731	28,659	101,543
Dehydrated food products manufacturing	<1	1,557	2,881	9,679
Cheese manufacturing	<1	68	127	4,378
Dry, condensed, and evaporated dairy product manufacturing	<1	382	1,007	10,867
Fluid milk manufacturing	<1	5,091	8,530	62,198
Creamery butter manufacturing	<1	302	1,570	16,873
Ice cream and frozen dessert manufacturing	<1	4,812	6,933	30,012
Frozen cakes and other pastries manufacturing	<1	18,542	25,980	53,216

Appendix

Poultry processing	2	78,781	100,889	508,860
Animal, except poultry, slaughtering	2	91,397	119,286	1,017,554
Meat processed from carcasses	<1	14,985	14,985	126,353
Rendering and meat byproduct processing	<1	3,314	3,139	18,973
Seafood product preparation and packaging	<1	7,732	10,440	81,290
Bread and bakery product, except frozen, manufacturing	2	56,838	81,330	209,446
Cookie and cracker manufacturing	<1	32,437	48,235	139,034
Dry pasta, mixes, and dough manufacturing	<1	2,533	5,917	24,475
Tortilla manufacturing	<1	1,645	2,101	8,274
Roasted nuts and peanut butter manufacturing	<1	4,404	10,658	39,581
Other snack food manufacturing	<1	10,690	24,665	90,964
Coffee and tea manufacturing	<1	6,532	12,515	62,603
Flavoring syrup and concentrate manufacturing	<1	326	2,669	5,226
Mayonnaise, dressing, and sauce manufacturing	<1	576	1,178	6,784
Spice and extract manufacturing	<1	3,553	6,173	25,057
All other food manufacturing	<1	10,889	16,724	94,050
Bottled and canned soft drinks & water	<1	27,081	38,620	142,042
Manufactured ice	<1	1,975	1,469	4,127
Breweries	<1	52,618	108,646	306,091
Wineries	<1	6,873	10,620	42,442
Distilleries	<1	3,444	13,804	28,745
Tobacco product manufacturing	<1	15,120	339,206	522,186
Fiber, yarn, and thread mills	<1	46,577	71,613	324,685
Broadwoven fabric mills	<1	16,821	27,782	97,119
Narrow fabric mills and schiffli machine embroidery	<1	4,135	4,551	14,189
Nonwoven fabric mills	<1	32,194	57,355	196,907
Knit fabric mills	<1	8,159	10,437	32,402
Textile and fabric finishing mills	<1	7,368	9,526	38,134
Fabric coating mills	<1	2,389	3,161	13,479
Carpet and rug mills	<1	11,752	19,794	77,353
Curtain and linen mills	<1	2,048	2,645	9,595
Textile bag and canvas mills	<1	1,595	1,907	6,064
Rope, cordage, twine, tire cord and tire fabric mills	<1	3,811	5,691	15,939
Other textile product mills	<1	6,316	7,614	22,888
Hosiery and sock mills	<1	5,314	5,191	14,846

Appendix

Other apparel knitting mills	<1	480	577	1,585
Cut and sew apparel contractors	<1	468	524	1,310
Mens and boys cut and sew apparel manufacturing	<1	1,675	1,839	6,071
Womens and girls cut and sew apparel manufacturing	<1	239	332	1,652
Other cut and sew apparel manufacturing	<1	3,274	3,755	11,055
Apparel accessories and other apparel manufacturing	<1	640	763	2,869
Leather and hide tanning and finishing	<1	403	504	3,492
Footwear manufacturing	<1	529	585	2,320
Other leather and allied product manufacturing	<1	290	307	998
Sawmills	<1	26,088	42,264	146,442
Wood preservation	<1	1,916	5,500	19,075
Veneer and plywood manufacturing	<1	9,688	15,607	51,994
Engineered wood member and truss manufacturing	<1	7,668	11,947	34,694
Reconstituted wood product manufacturing	<1	6,309	15,704	53,653
Wood windows and door manufacturing	<1	28,600	40,436	92,949
Cut stock, resawing lumber, and planing	<1	2,828	5,207	15,610
Other millwork, including flooring	<1	9,538	15,728	40,193
Wood container and pallet manufacturing	<1	9,144	12,776	35,743
Manufactured home (mobile home) manufacturing	<1	106	136	375
Prefabricated wood building manufacturing	<1	3,366	4,743	15,228
All other miscellaneous wood product manufacturing	<1	5,012	7,614	20,151
Pulp mills	<1	5,511	7,765	31,134
Paper mills	<1	31,840	59,919	245,327
Paperboard mills	<1	7,180	14,932	64,129
Paperboard container manufacturing	<1	38,055	54,340	250,384
Paper bag and coated and treated paper manufacturing	<1	26,383	43,469	165,762
Stationery product manufacturing	<1	4,554	6,390	24,331
Sanitary paper product manufacturing	<1	11,790	29,276	99,289
All other converted paper product manufacturing	<1	4,358	6,043	22,982

Appendix

Printing	2	84,321	144,306	292,563
Support activities for printing	<1	9,065	14,336	21,848
Petroleum refineries	<1	172	1,659	7,170
Asphalt paving mixture and block manufacturing	<1	2,540	4,577	19,745
Asphalt shingle and coating materials manufacturing	<1	2,558	11,992	26,864
Petroleum lubricating oil and grease manufacturing	<1	1,071	4,871	11,770
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,122	14,465	43,834
Industrial gas manufacturing	<1	584	1,779	4,671
Synthetic dye and pigment manufacturing	<1	1,994	5,622	13,638
Other basic inorganic chemical manufacturing	<1	3,825	12,149	34,662
Other basic organic chemical manufacturing	<1	13,605	37,704	192,082
Plastics material and resin manufacturing	<1	9,475	20,784	131,721
Synthetic rubber manufacturing	<1	941	1,824	9,198
Artificial and synthetic fibers and filaments manufacturing	<1	34,876	62,509	229,661
Nitrogenous fertilizer manufacturing	<1	4,606	16,399	38,627
Phosphatic fertilizer manufacturing	<1	3,952	11,810	31,327
Fertilizer mixing	<1	508	1,423	4,223
Pesticide and other agricultural chemical manufacturing	<1	14,575	63,290	151,440
Medicinal and botanical manufacturing	<1	1,762	3,986	9,096
Pharmaceutical preparation manufacturing	<1	113,690	594,616	1,368,499
In-vitro diagnostic substance manufacturing	<1	91	171	429
Biological product (except diagnostic) manufacturing	<1	21,812	63,812	112,379
Paint and coating manufacturing	<1	12,125	33,106	106,527
Adhesive manufacturing	<1	4,046	8,816	31,080
Soap and other detergent manufacturing	<1	18,012	86,421	228,568
Polish and other sanitation good manufacturing	<1	10,985	21,771	57,827
Surface active agent manufacturing	<1	4,740	24,188	57,087
Toilet preparation manufacturing	<1	15,037	76,326	170,587
Printing ink manufacturing	<1	2,588	2,947	12,711

Appendix

Explosives manufacturing	<1	116	145	520
Custom compounding of purchased resins	<1	4,692	11,670	36,081
Photographic film and chemical manufacturing	<1	4,570	14,748	43,075
Other miscellaneous chemical product manufacturing	<1	6,967	15,452	45,939
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	25,832	44,339	134,729
Unlaminated plastics profile shape manufacturing	<1	3,660	8,585	30,669
Plastics pipe and pipe fitting manufacturing	<1	5,930	17,113	49,970
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3,133	6,134	17,721
Polystyrene foam product manufacturing	<1	14,420	25,802	93,964
Urethane and other foam product (except polystyrene) manufacturing	<1	12,563	21,551	93,790
Plastics bottle manufacturing	<1	2,958	4,994	22,037
Other plastics product manufacturing	1	70,277	106,697	338,808
Tire manufacturing	<1	22,795	36,132	138,061
Rubber and plastics hoses and belting manufacturing	<1	3,713	5,758	16,583
Other rubber product manufacturing	<1	6,056	8,908	30,672
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,190	4,484	11,381
Brick, tile, and other structural clay product manufacturing	<1	8,045	13,208	33,330
Flat glass manufacturing	<1	3,525	6,837	17,366
Other pressed and blown glass and glassware manufacturing	<1	13,684	22,618	49,343
Glass container manufacturing	<1	7,972	12,278	30,298
Glass product manufacturing made of purchased glass	<1	2,587	4,217	11,366
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	28,639	46,379	157,579
Concrete block and brick manufacturing	<1	16,916	28,592	60,235
Concrete pipe manufacturing	<1	9,134	14,541	40,370
Other concrete product manufacturing	<1	25,498	34,337	85,231
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	3,488	8,374	21,649

Appendix

Abrasive product manufacturing	<1	2,770	6,915	13,348
Cut stone and stone product manufacturing	<1	5,091	5,967	13,209
Ground or treated mineral and earth manufacturing	<1	383	919	1,987
Mineral wool manufacturing	<1	1,214	2,601	5,868
Miscellaneous nonmetallic mineral products manufacturing	<1	7,732	19,497	42,936
Iron and steel mills and ferroalloy manufacturing	1	116,879	189,678	1,253,820
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,166	1,725	10,047
Rolled steel shape manufacturing	<1	1,466	2,587	17,117
Steel wire drawing	<1	4,624	5,794	33,216
Alumina refining and primary aluminum production	<1	1,054	1,484	12,810
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	1,064	1,843	11,482
Other aluminum rolling, drawing and extruding	<1	578	754	4,232
Nonferrous metal (exc aluminum) smelting and refining	<1	39	123	591
Copper rolling, drawing, extruding and alloying	<1	11,588	15,899	149,468
Nonferrous metal, except copper and aluminum, shaping	<1	14,041	16,173	57,399
Secondary processing of other nonferrous metals	<1	1,350	1,998	12,005
Ferrous metal foundries	<1	3,676	4,760	12,401
Nonferrous metal foundries	<1	5,233	6,861	19,813
Custom roll forming	<1	820	1,585	7,046
Crown and closure manufacturing and metal stamping	<1	8,143	11,069	31,705
Iron and steel forging	<1	2,267	4,219	14,566
Nonferrous forging	<1	317	517	1,901
Cutlery, utensil, pot, and pan manufacturing	<1	757	2,443	5,555
Handtool manufacturing	<1	9,081	16,833	31,449
Prefabricated metal buildings and components manufacturing	<1	26,475	41,337	122,433
Fabricated structural metal manufacturing	<1	21,271	35,158	112,761
Plate work manufacturing	<1	4,513	5,145	17,509
Metal window and door manufacturing	<1	12,928	19,205	48,095
Sheet metal work manufacturing	<1	16,826	24,271	64,087

Appendix

Ornamental and architectural metal work manufacturing	<1	4,881	6,904	20,141
Power boiler and heat exchanger manufacturing	<1	215	352	1,126
Metal tank (heavy gauge) manufacturing	<1	3,349	4,592	13,309
Metal cans manufacturing	<1	2,007	5,416	18,467
Metal barrels, drums and pails manufacturing	<1	2,621	3,469	12,777
Hardware manufacturing	<1	7,629	13,424	39,537
Spring and wire product manufacturing	<1	2,822	4,274	14,202
Machine shops	<1	26,957	35,331	77,139
Turned product and screw, nut, and bolt manufacturing	<1	3,455	5,662	14,644
Metal heat treating	<1	3,151	5,095	12,418
Metal coating and nonprecious engraving	<1	7,233	14,719	35,168
Electroplating, anodizing, and coloring metal	<1	3,935	4,688	10,763
Valve and fittings, other than plumbing, manufacturing	<1	8,253	14,898	39,875
Plumbing fixture fitting and trim manufacturing	<1	6,687	22,694	71,910
Ball and roller bearing manufacturing	<1	2,755	5,775	14,675
Small arms ammunition manufacturing	<1	84	216	721
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3,533	7,846	18,064
Fabricated pipe and pipe fitting manufacturing	<1	4,754	6,385	16,789
Other fabricated metal manufacturing	<1	7,848	11,274	29,196
Farm machinery and equipment manufacturing	<1	104	194	882
Lawn and garden equipment manufacturing	<1	1,126	2,209	9,197
Construction machinery manufacturing	<1	1,830	4,588	12,679
Mining machinery and equipment manufacturing	<1	5	9	21
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	37	44	128
Food product machinery manufacturing	<1	8,614	10,289	31,617

Appendix

Sawmill, woodworking, and paper machinery	<1	448	516	1,490
Printing machinery and equipment manufacturing	<1	238	273	891
All other industrial machinery manufacturing	<1	382	525	1,519
Optical instrument and lens manufacturing	<1	192	320	656
Photographic and photocopying equipment manufacturing	<1	64	92	296
Other commercial service industry machinery manufacturing	<1	4,129	7,645	21,747
Air purification and ventilation equipment manufacturing	<1	2,109	3,138	9,266
Heating equipment (except warm air furnaces) manufacturing	<1	5,075	8,505	30,360
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	15,010	30,301	74,366
Industrial mold manufacturing	<1	668	811	1,667
Special tool, die, jig, and fixture manufacturing	<1	743	1,045	2,073
Cutting tool and machine tool accessory manufacturing	<1	2,100	2,456	6,103
Machine tool manufacturing	<1	550	736	1,962
Rolling mill and other metalworking machinery manufacturing	<1	51	64	168
Turbine and turbine generator set units manufacturing	<1	221	305	1,030
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,042	1,706	4,890
Mechanical power transmission equipment manufacturing	<1	1,913	3,349	7,072
Other engine equipment manufacturing	<1	7,195	17,290	65,555
Pump and pumping equipment manufacturing	<1	2,961	5,893	14,697
Air and gas compressor manufacturing	<1	461	968	2,391
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	203	236	741
Overhead cranes, hoists, and monorail systems manufacturing	<1	50	89	316
Industrial truck, trailer, and stacker manufacturing	<1	662	1,171	3,629

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Power-driven handtool manufacturing	<1	698	2,095	6,134
Welding and soldering equipment manufacturing	<1	80	125	333
Packaging machinery manufacturing	<1	169	263	674
Industrial process furnace and oven manufacturing	<1	116	143	331
Fluid power cylinder and actuator manufacturing	<1	1,111	1,687	4,409
Fluid power pump and motor manufacturing	<1	625	1,097	3,359
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	852	1,103	3,174
Electronic computer manufacturing	<1	128	412	828
Computer storage device manufacturing	<1	876	3,568	9,262
Computer terminals and other computer peripheral equipment manufacturing	<1	16,271	36,487	65,570
Telephone apparatus manufacturing	<1	1,594	3,388	7,064
Broadcast and wireless communications equipment manufacturing	<1	366	774	1,562
Other communications equipment manufacturing	<1	444	1,071	2,771
Audio and video equipment manufacturing	<1	670	1,624	4,657
Printed circuit assembly (electronic assembly) manufacturing	<1	2,220	5,979	18,677
Bare printed circuit board manufacturing	<1	660	1,075	1,652
Semiconductor and related device manufacturing	<1	14,010	33,585	75,568
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,602	2,945	7,639
Electronic connector manufacturing	<1	7,685	15,737	27,458
Other electronic component manufacturing	<1	2,732	4,691	12,239
Electromedical and electrotherapeutic apparatus manufacturing	<1	194	574	1,258
Search, detection, and navigation instruments manufacturing	<1	2,354	6,114	10,243
Automatic environmental control manufacturing	<1	1,708	2,870	6,070

Appendix

Industrial process variable instruments manufacturing	<1	10,992	23,485	35,778
Totalizing fluid meter and counting device manufacturing	<1	133	456	1,003
Electricity and signal testing instruments manufacturing	<1	4,912	10,818	25,076
Analytical laboratory instrument manufacturing	<1	29,001	72,699	144,234
Irradiation apparatus manufacturing	<1	24	73	159
Watch, clock, and other measuring and controlling device manufacturing	<1	895	2,521	5,475
Blank magnetic and optical recording media manufacturing	<1	189	937	1,366
Software and other prerecorded and record reproducing	<1	3,665	6,813	8,659
Electric lamp bulb and part manufacturing	<1	4,514	11,839	21,575
Lighting fixture manufacturing	<1	1,808	3,283	9,107
Small electrical appliance manufacturing	<1	87	266	794
Household cooking appliance manufacturing	<1	4,128	12,595	27,690
Household refrigerator and home freezer manufacturing	<1	4,513	14,440	30,570
Household laundry equipment manufacturing	<1	10,307	23,503	65,754
Other major household appliance manufacturing	<1	2,171	7,366	14,724
Power, distribution, and specialty transformer manufacturing	<1	313	576	1,287
Motor and generator manufacturing	<1	5,942	13,135	34,063
Switchgear and switchboard apparatus manufacturing	<1	4,405	9,500	19,295
Relay and industrial control manufacturing	<1	18,368	29,825	66,683
Storage battery manufacturing	<1	3,077	5,269	11,635
Primary battery manufacturing	<1	13,577	46,575	73,428
Fiber optic cable manufacturing	<1	16,966	23,444	92,128
Other communication and energy wire manufacturing	<1	4,815	9,075	25,266
Wiring device manufacturing	<1	27,597	68,869	149,798
Carbon and graphite product manufacturing	<1	7,415	16,110	43,760
All other miscellaneous electrical equipment and component manufacturing	6	598,004	749,055	2,033,757
Automobile manufacturing	<1	46	186	581

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	277	778	3,467
Motor vehicle body manufacturing	<1	1,395	1,972	6,850
Truck trailer manufacturing	<1	7	9	44
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	7,000	7,825	26,154
Motor vehicle gasoline engine and engine parts manufacturing	<1	4,663	7,513	43,977
Motor vehicle electrical and electronic equipment manufacturing	<1	2,305	3,221	16,661
Motor vehicle transmission and power train parts manufacturing	<1	45,814	75,555	352,975
Motor vehicle seating and interior trim manufacturing	<1	106	130	914
Motor vehicle metal stamping	<1	1,818	2,292	7,640
Other motor vehicle parts manufacturing	<1	40,026	56,312	243,231
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	9,749	16,938	67,529
Aircraft manufacturing	<1	81	752	1,209
Aircraft engine and engine parts manufacturing	<1	2,589	22,420	25,532
Other aircraft parts and auxiliary equipment manufacturing	<1	68,528	272,149	434,355
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	67	161	449
Ship building and repairing	<1	7	18	37
Boat building	<1	8,991	25,320	57,641
Motorcycle, bicycle, and parts manufacturing	<1	621	9,268	11,050
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7,190	40,854	73,250
Wood kitchen cabinet and countertop manufacturing	<1	11,927	17,561	41,064
Upholstered household furniture manufacturing	<1	41,935	48,813	156,453

Appendix

Nonupholstered wood household furniture manufacturing	<1	5,075	6,336	17,505
Other household nonupholstered furniture manufacturing	<1	1,775	3,032	10,098
Institutional furniture manufacturing	<1	196	221	734
Wood office furniture manufacturing	<1	1,567	2,350	6,176
Custom architectural woodwork and millwork	<1	351	337	1,014
Office furniture, except wood, manufacturing	<1	1,804	3,424	9,888
Showcase, partition, shelving, and locker manufacturing	<1	2,770	4,374	12,953
Mattress manufacturing	<1	5,140	10,545	34,110
Blind and shade manufacturing	<1	760	813	2,807
Surgical and medical instrument manufacturing	<1	2,297	4,723	11,624
Surgical appliance and supplies manufacturing	<1	6,193	13,667	35,039
Dental equipment and supplies manufacturing	<1	350	649	1,496
Ophthalmic goods manufacturing	<1	68	151	307
Dental laboratories	<1	2,268	2,366	4,563
Jewelry and silverware manufacturing	<1	4,278	6,813	18,859
Sporting and athletic goods manufacturing	<1	1,560	2,378	8,373
Doll, toy, and game manufacturing	<1	118	219	950
Office supplies (except paper) manufacturing	<1	4,943	7,794	23,702
Sign manufacturing	<1	3,560	3,249	9,289
Gasket, packing, and sealing device manufacturing	<1	1,549	2,061	5,610
Musical instrument manufacturing	<1	848	941	2,505
Fasteners, buttons, needles, and pins manufacturing	<1	2,871	4,080	10,605
Broom, brush, and mop manufacturing	<1	3,187	5,546	15,336
Burial casket manufacturing	<1	780	1,027	2,258
All other miscellaneous manufacturing	<1	7,356	10,368	29,184
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	45,347	93,925	220,940
Wholesale - Professional and commercial equipment and supplies	2	253,364	387,409	642,013

Appendix

Wholesale - Household appliances and electrical and electronic goods	1	115,809	247,288	525,074
Wholesale - Machinery, equipment, and supplies	1	121,548	217,634	377,804
Wholesale - Other durable goods merchant wholesalers	4	285,025	461,971	922,541
Wholesale - Drugs and druggists' sundries	<1	107,430	310,287	571,659
Wholesale - Grocery and related product wholesalers	3	215,281	281,309	576,734
Wholesale - Petroleum and petroleum products	<1	23,906	378,759	437,400
Wholesale - Other nondurable goods merchant wholesalers	4	286,480	590,844	1,104,258
Wholesale - Wholesale electronic markets and agents and brokers	2	262,790	271,261	312,536
Retail - Motor vehicle and parts dealers	4	204,838	292,756	443,509
Retail - Furniture and home furnishings stores	3	100,952	125,084	217,583
Retail - Electronics and appliance stores	2	115,881	111,005	192,484
Retail - Building material and garden equipment and supplies stores	4	181,337	307,442	471,599
Retail - Food and beverage stores	10	268,217	352,302	636,762
Retail - Health and personal care stores	5	199,523	241,242	384,283
Retail - Gasoline stores	3	110,950	161,317	318,083
Retail - Clothing and clothing accessories stores	5	122,994	182,378	422,216
Retail - Sporting goods, hobby, musical instrument and book stores	3	77,554	96,802	167,650
Retail - General merchandise stores	11	319,522	427,275	746,690
Retail - Miscellaneous store retailers	6	129,661	150,153	272,376
Retail - Nonstore retailers	7	151,082	517,513	1,077,205
Air transportation	2	199,551	426,331	788,397
Rail transportation	<1	26,066	44,454	94,406
Water transportation	<1	1,789	4,347	30,327
Truck transportation	6	346,341	423,219	856,977
Transit and ground passenger transportation	6	57,164	68,217	130,450
Pipeline transportation	<1	30,298	68,149	83,414
Scenic and sightseeing transportation and support activities for transportation	3	180,461	196,887	400,731

Appendix

Couriers and messengers	3	105,449	142,627	251,981
Warehousing and storage	5	205,317	233,453	450,504
Newspaper publishers	<1	20,063	34,650	45,467
Periodical publishers	<1	12,731	20,479	32,579
Book publishers	<1	14,804	45,440	74,988
Directory, mailing list, and other publishers	<1	6,144	17,411	27,913
Greeting card publishing	<1	1,808	5,014	8,150
Software publishers	3	400,360	908,206	991,531
Motion picture and video industries	<1	37,746	61,237	201,136
Sound recording industries	<1	5,858	32,546	69,495
Radio and television broadcasting	<1	90,133	110,754	375,993
Cable and other subscription programming	<1	25,967	159,682	404,544
Wired telecommunications carriers	2	204,368	379,811	788,049
Wireless telecommunications carriers (except satellite)	<1	56,488	304,831	905,538
Satellite, telecommunications resellers, and all other telecommunications	<1	52,764	66,218	180,229
Data processing, hosting, and related services	2	161,486	327,099	809,838
News syndicates, libraries, archives and all other information services	<1	7,521	11,463	25,055
Internet publishing and broadcasting and web search portals	<1	84,380	189,984	619,864
Nondepository credit intermediation and related activities	2	234,306	331,736	508,337
Securities and commodity contracts intermediation and brokerage	4	454,027	395,694	661,911
Monetary authorities and depository credit intermediation	6	770,955	3,065,993	3,896,481
Other financial investment activities	5	423,548	517,584	1,083,643
Direct life insurance carriers	2	171,395	297,605	438,645
Insurance carriers, except direct life	4	335,585	917,372	2,149,452
Insurance agencies, brokerages, and related activities	5	406,757	591,860	1,457,982
Funds, trusts, and other financial vehicles	2	62,256	83,350	486,912
Other real estate	51	1,119,987	3,335,999	9,277,277
Tenant-occupied housing	3	56,215	1,117,501	1,233,493

Appendix

Owner-occupied dwellings	0	0	3,674,205	4,664,241
Automotive equipment rental and leasing	<1	46,247	147,197	213,730
General and consumer goods rental except video tapes and discs	2	104,421	133,617	232,763
Video tape and disc rental	<1	15,616	25,837	41,950
Commercial and industrial machinery and equipment rental and leasing	<1	74,649	196,154	276,930
Lessors of nonfinancial intangible assets	<1	10,444	224,725	258,739
Legal services	5	439,597	684,445	988,446
Accounting, tax preparation, bookkeeping, and payroll services	4	303,872	454,450	641,132
Architectural, engineering, and related services	18	1,388,514	1,613,442	2,820,630
Specialized design services	<1	45,483	87,116	119,423
Custom computer programming services	2	154,440	175,383	237,392
Computer systems design services	2	192,507	198,234	250,453
Other computer related services, including facilities management	<1	55,973	105,333	175,741
Management consulting services	7	615,716	656,708	1,036,890
Environmental and other technical consulting services	1	91,119	98,742	147,327
Scientific research and development services	42	3,868,839	6,086,984	10,607,172
Advertising, public relations, and related services	4	238,687	359,458	633,340
Photographic services	<1	10,219	33,233	54,250
Veterinary services	1	48,315	66,594	102,086
Marketing research and all other miscellaneous professional, scientific, and technical services	7	625,680	1,403,156	2,212,404
Management of companies and enterprises	9	1,202,531	1,475,986	2,307,072
Office administrative services	4	246,283	83,433	239,618
Facilities support services	<1	22,758	33,077	80,376
Employment services	20	810,056	1,154,854	1,747,266
Business support services	4	185,184	153,087	284,562
Travel arrangement and reservation services	<1	31,848	41,247	106,370
Investigation and security services	3	110,412	109,634	169,837
Services to buildings	8	239,482	330,425	641,621
Landscape and horticultural services	5	184,916	228,851	420,119

Appendix

Other support services	3	110,958	143,768	308,839
Waste management and remediation services	2	106,761	197,262	362,292
Elementary and secondary schools	4	143,924	121,655	146,197
Junior colleges, colleges, universities, and professional schools	437	22,082,770	29,769,670	38,765,096
Other educational services	5	173,055	198,353	381,411
Offices of physicians	12	1,261,265	1,330,349	1,884,518
Offices of dentists	4	269,730	331,856	459,801
Offices of other health practitioners	3	184,263	259,831	349,690
Outpatient care centers	3	161,632	149,414	282,034
Medical and diagnostic laboratories	1	107,162	149,797	212,319
Home health care services	4	134,733	130,417	175,681
Other ambulatory health care services	<1	51,256	57,338	98,011
Hospitals	14	1,141,803	1,363,029	2,631,326
Nursing and community care facilities	8	279,228	324,287	587,865
Residential mental retardation, mental health, substance abuse and other facilities	3	86,860	96,556	160,811
Individual and family services	7	210,099	187,726	281,717
Child day care services	4	93,598	142,867	194,763
Community food, housing, and other relief services, including rehabilitation services	1	42,273	44,406	96,123
Performing arts companies	<1	13,703	21,090	34,786
Commercial Sports Except Racing	4	157,862	124,606	194,800
Racing and Track Operation	<1	10,406	21,660	29,915
Independent artists, writers, and performers	<1	15,966	56,903	76,631
Promoters of performing arts and sports and agents for public figures	2	48,205	94,444	167,662
Museums, historical sites, zoos, and parks	<1	17,083	20,367	30,116
Amusement parks and arcades	<1	9,275	25,535	35,954
Gambling industries (except casino hotels)	2	53,569	111,928	191,492
Other amusement and recreation industries	3	61,826	69,675	138,805
Fitness and recreational sports centers	3	42,160	60,287	124,834
Bowling centers	<1	5,415	9,110	16,687

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Hotels and motels, including casino hotels	3	120,894	230,952	363,209
Other accommodations	<1	41,867	59,234	78,558
Full-service restaurants	23	568,054	822,350	1,445,618
Limited-service restaurants	19	378,126	595,241	1,358,213
All other food and drinking places	11	363,984	506,869	748,589
Automotive repair and maintenance, except car washes	6	278,096	321,045	495,565
Car washes	3	140,822	202,015	319,126
Electronic and precision equipment repair and maintenance	2	120,160	136,742	228,062
Commercial and industrial machinery and equipment repair and maintenance	2	137,453	152,233	230,132
Personal and household goods repair and maintenance	1	43,213	83,697	123,879
Personal care services	5	147,794	134,980	181,774
Death care services	1	34,346	25,431	36,868
Dry-cleaning and laundry services	3	80,767	56,923	77,546
Other personal services	3	95,140	116,300	175,746
Religious organizations	2	82,697	48,975	163,152
Grantmaking, giving, and social advocacy organizations	1	60,016	204,538	320,976
Business and professional associations	<1	60,540	110,010	192,710
Labor and civic organizations	1	36,649	111,892	195,845
Private households	4	54,356	54,348	54,348
Postal service	2	193,585	193,656	206,302
Federal electric utilities	<1	849	1,604	7,373
Other federal government enterprises	1	30,155	30,896	194,315
State government passenger transit	<1	864	275	6,256
State government electric utilities	0	0	0	0
Other state government enterprises	<1	15,125	18,559	40,505
Local government passenger transit	<1	25,865	9,885	34,301
Local government electric utilities	<1	3,488	11,908	20,844
Other local government enterprises	2	117,116	278,193	607,341
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	34	5,439,327	7,192,264	16,453,945

Moon to Mars Campaign

Table 725: Detailed M2M Campaign Impacts by Types of Impact, North Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>31</i>	<i>2,498,415</i>	<i>3,730,063</i>	<i>7,001,971</i>
Oilseed farming	<1	2,233	4,964	12,963
Grain farming	<1	901	146	4,883
Vegetable and melon farming	<1	626	841	2,610
Fruit farming	<1	268	365	927
Tree nut farming	<1	5	8	20
Greenhouse, nursery, and floriculture production	<1	521	634	1,863
Tobacco farming	<1	1,596	1,445	4,384
Cotton farming	<1	55	67	190
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	362	411	1,267
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	198	251	905
Dairy cattle and milk production	<1	149	194	1,349
Poultry and egg production	<1	436	559	10,219
Animal production, except cattle and poultry and eggs	<1	2,990	5,087	10,888
Forestry, forest products, and timber tract production	<1	92	102	126
Commercial logging	<1	444	451	727
Commercial fishing	<1	81	179	358
Commercial hunting and trapping	<1	138	186	259
Support activities for agriculture and forestry	<1	2,654	2,650	3,281
Oil and gas extraction	<1	0	10	4,702

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	33	40	56
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	29	37	74
Stone mining and quarrying	<1	305	538	1,208
Sand and gravel mining	<1	72	106	231
Other clay, ceramic, refractory minerals mining	<1	29	39	99
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	21	29	72
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	0	<1	41
Other nonmetallic minerals services	<1	<1	<1	3
Electric power generation - Hydroelectric	<1	67	211	422
Electric power generation - Fossil fuel	<1	2,777	9,818	20,440
Electric power generation - Nuclear	<1	2,266	4,824	8,669
Electric power generation - Solar	<1	251	1,056	2,268
Electric power generation - Wind	<1	25	222	370
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	43	204	498
Electric power generation - All other	<1	65	53	106
Electric power transmission and distribution	<1	7,412	26,312	57,167
Natural gas distribution	<1	1,897	5,949	12,709
Water, sewage and other systems	<1	599	1,182	1,943
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	6,028	7,931	20,022
Maintenance and repair construction of residential structures	<1	3,068	4,033	10,078
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	4	6	15
Dog and cat food manufacturing	<1	90	299	1,261
Other animal food manufacturing	<1	429	801	5,807
Flour milling	<1	204	412	3,334
Rice milling	0	0	0	0
Malt manufacturing	<1	37	74	684
Wet corn milling	<1	199	604	2,973
Soybean and other oilseed processing	<1	107	606	4,176
Fats and oils refining and blending	<1	54	116	1,057
Breakfast cereal manufacturing	<1	36	95	282
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	98	157	784
Chocolate and confectionery manufacturing from cacao beans	<1	15	24	117
Confectionery manufacturing from purchased chocolate	<1	21	32	187
Frozen fruits, juices and vegetables manufacturing	<1	24	50	187
Frozen specialties manufacturing	<1	71	102	426
Canned fruits and vegetables manufacturing	<1	306	653	2,604

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Canned specialties	<1	296	767	2,712
Dehydrated food products manufacturing	<1	56	103	339
Cheese manufacturing	<1	2	4	136
Dry, condensed, and evaporated dairy product manufacturing	<1	12	33	328
Fluid milk manufacturing	<1	142	244	1,724
Creamery butter manufacturing	<1	9	43	454
Ice cream and frozen dessert manufacturing	<1	101	150	598
Frozen cakes and other pastries manufacturing	<1	552	770	1,550
Poultry processing	<1	2,534	3,361	16,427
Animal, except poultry, slaughtering	<1	1,917	2,534	21,315
Meat processed from carcasses	<1	591	599	4,998
Rendering and meat byproduct processing	<1	133	126	754
Seafood product preparation and packaging	<1	145	203	1,459
Bread and bakery product, except frozen, manufacturing	<1	1,630	2,337	5,940
Cookie and cracker manufacturing	<1	1,240	1,951	5,112
Dry pasta, mixes, and dough manufacturing	<1	84	197	845
Tortilla manufacturing	<1	55	70	274
Roasted nuts and peanut butter manufacturing	<1	169	426	1,483
Other snack food manufacturing	<1	379	889	3,198
Coffee and tea manufacturing	<1	156	309	1,507
Flavoring syrup and concentrate manufacturing	<1	15	124	242
Mayonnaise, dressing, and sauce manufacturing	<1	16	33	184
Spice and extract manufacturing	<1	118	210	792
All other food manufacturing	<1	435	670	3,650
Bottled and canned soft drinks & water	<1	997	1,461	5,223
Manufactured ice	<1	77	61	154
Breweries	<1	1,248	2,698	7,417
Wineries	<1	349	547	2,097
Distilleries	<1	112	463	919
Tobacco product manufacturing	<1	733	19,592	27,639
Fiber, yarn, and thread mills	<1	1,384	2,367	9,605
Broadwoven fabric mills	<1	484	886	2,907
Narrow fabric mills and schiffli machine embroidery	<1	197	220	670

Appendix

Nonwoven fabric mills	<1	1,515	2,877	9,023
Knit fabric mills	<1	438	567	1,734
Textile and fabric finishing mills	<1	422	545	2,110
Fabric coating mills	<1	106	139	567
Carpet and rug mills	<1	416	813	2,666
Curtain and linen mills	<1	79	105	365
Textile bag and canvas mills	<1	62	76	233
Rope, cordage, twine, tire cord and tire fabric mills	<1	108	170	455
Other textile product mills	<1	251	307	884
Hosiery and sock mills	<1	193	197	506
Other apparel knitting mills	<1	21	25	66
Cut and sew apparel contractors	<1	25	28	69
Mens and boys cut and sew apparel manufacturing	<1	82	90	278
Womens and girls cut and sew apparel manufacturing	<1	13	18	88
Other cut and sew apparel manufacturing	<1	116	131	361
Apparel accessories and other apparel manufacturing	<1	31	37	131
Leather and hide tanning and finishing	<1	14	18	116
Footwear manufacturing	<1	22	25	92
Other leather and allied product manufacturing	<1	14	15	47
Sawmills	<1	380	624	2,186
Wood preservation	<1	24	70	237
Veneer and plywood manufacturing	<1	153	251	839
Engineered wood member and truss manufacturing	<1	132	202	591
Reconstituted wood product manufacturing	<1	108	267	890
Wood windows and door manufacturing	<1	671	956	2,174
Cut stock, resawing lumber, and planing	<1	59	111	329
Other millwork, including flooring	<1	224	370	917
Wood container and pallet manufacturing	<1	310	440	1,201
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	20	28	91
All other miscellaneous wood product manufacturing	<1	191	301	732
Pulp mills	<1	118	160	665

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Paper mills	<1	840	1,472	6,422
Paperboard mills	<1	207	419	1,857
Paperboard container manufacturing	<1	1,421	2,031	9,298
Paper bag and coated and treated paper manufacturing	<1	928	1,466	5,629
Stationery product manufacturing	<1	125	173	638
Sanitary paper product manufacturing	<1	427	989	3,525
All other converted paper product manufacturing	<1	154	211	833
Printing	<1	3,212	5,583	10,848
Support activities for printing	<1	390	615	924
Petroleum refineries	<1	5	44	192
Asphalt paving mixture and block manufacturing	<1	39	69	291
Asphalt shingle and coating materials manufacturing	<1	39	181	399
Petroleum lubricating oil and grease manufacturing	<1	42	193	455
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	31	402	1,209
Industrial gas manufacturing	<1	20	63	160
Synthetic dye and pigment manufacturing	<1	76	219	546
Other basic inorganic chemical manufacturing	<1	125	427	1,175
Other basic organic chemical manufacturing	<1	396	1,099	5,764
Plastics material and resin manufacturing	<1	275	611	3,945
Synthetic rubber manufacturing	<1	37	72	370
Artificial and synthetic fibers and filaments manufacturing	<1	1,920	3,271	12,376
Nitrogenous fertilizer manufacturing	<1	125	455	1,005
Phosphatic fertilizer manufacturing	<1	109	329	872
Fertilizer mixing	<1	11	33	97
Pesticide and other agricultural chemical manufacturing	<1	382	1,672	4,079
Medicinal and botanical manufacturing	<1	89	211	445
Pharmaceutical preparation manufacturing	<1	5,870	32,130	70,334
In-vitro diagnostic substance manufacturing	<1	7	12	31

Appendix

Biological product (except diagnostic) manufacturing	<1	1,501	4,683	7,713
Paint and coating manufacturing	<1	354	1,004	3,205
Adhesive manufacturing	<1	155	355	1,182
Soap and other detergent manufacturing	<1	667	3,536	7,989
Polish and other sanitation good manufacturing	<1	442	916	2,267
Surface active agent manufacturing	<1	151	849	1,837
Toilet preparation manufacturing	<1	724	3,866	8,273
Printing ink manufacturing	<1	124	142	613
Explosives manufacturing	<1	3	3	12
Custom compounding of purchased resins	<1	349	967	2,771
Photographic film and chemical manufacturing	<1	159	538	1,511
Other miscellaneous chemical product manufacturing	<1	240	557	1,671
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	886	1,527	4,525
Unlaminated plastics profile shape manufacturing	<1	133	312	1,081
Plastics pipe and pipe fitting manufacturing	<1	110	318	933
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	85	166	478
Polystyrene foam product manufacturing	<1	407	730	2,681
Urethane and other foam product (except polystyrene) manufacturing	<1	398	686	2,959
Plastics bottle manufacturing	<1	130	220	938
Other plastics product manufacturing	<1	2,116	3,242	9,952
Tire manufacturing	<1	649	1,045	4,071
Rubber and plastics hoses and belting manufacturing	<1	112	173	503
Other rubber product manufacturing	<1	326	478	1,681
Pottery, ceramics, and plumbing fixture manufacturing	<1	47	64	172
Brick, tile, and other structural clay product manufacturing	<1	106	171	442
Flat glass manufacturing	<1	63	118	311
Other pressed and blown glass and glassware manufacturing	<1	754	1,210	2,625
Glass container manufacturing	<1	229	342	866

Appendix

Glass product manufacturing made of purchased glass	<1	104	165	453
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	403	642	2,197
Concrete block and brick manufacturing	<1	175	286	623
Concrete pipe manufacturing	<1	20	32	92
Other concrete product manufacturing	<1	150	201	505
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	64	153	396
Abrasive product manufacturing	<1	66	161	314
Cut stone and stone product manufacturing	<1	140	163	361
Ground or treated mineral and earth manufacturing	<1	7	16	35
Mineral wool manufacturing	<1	20	41	91
Miscellaneous nonmetallic mineral products manufacturing	<1	26	63	137
Iron and steel mills and ferroalloy manufacturing	<1	244	379	2,645
Iron, steel pipe and tube manufacturing from purchased steel	<1	24	34	199
Rolled steel shape manufacturing	<1	23	40	282
Steel wire drawing	<1	74	95	538
Alumina refining and primary aluminum production	<1	27	36	299
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	25	42	278
Other aluminum rolling, drawing and extruding	<1	20	25	142
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	2	8
Copper rolling, drawing, extruding and alloying	<1	247	336	3,012
Nonferrous metal, except copper and aluminum, shaping	<1	147	166	607
Secondary processing of other nonferrous metals	<1	30	38	247
Ferrous metal foundries	<1	101	130	349
Nonferrous metal foundries	<1	217	275	800
Custom roll forming	<1	30	56	254
Crown and closure manufacturing and metal stamping	<1	151	206	580
Iron and steel forging	<1	70	129	442

Appendix

Nonferrous forging	<1	11	17	61
Cutlery, utensil, pot, and pan manufacturing	<1	28	92	206
Handtool manufacturing	<1	408	753	1,368
Prefabricated metal buildings and components manufacturing	<1	53	80	250
Fabricated structural metal manufacturing	<1	261	424	1,374
Plate work manufacturing	<1	112	129	428
Metal window and door manufacturing	<1	258	379	945
Sheet metal work manufacturing	<1	402	576	1,505
Ornamental and architectural metal work manufacturing	<1	91	127	370
Power boiler and heat exchanger manufacturing	<1	11	17	56
Metal tank (heavy gauge) manufacturing	<1	30	40	114
Metal cans manufacturing	<1	73	196	664
Metal barrels, drums and pails manufacturing	<1	46	60	218
Hardware manufacturing	<1	209	364	1,070
Spring and wire product manufacturing	<1	139	204	681
Machine shops	<1	807	1,056	2,285
Turned product and screw, nut, and bolt manufacturing	<1	185	298	757
Metal heat treating	<1	104	166	406
Metal coating and nonprecious engraving	<1	233	468	1,125
Electroplating, anodizing, and coloring metal	<1	141	168	384
Valve and fittings, other than plumbing, manufacturing	<1	183	331	897
Plumbing fixture fitting and trim manufacturing	<1	162	548	1,706
Ball and roller bearing manufacturing	<1	129	267	653
Small arms ammunition manufacturing	<1	4	10	30
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	152	336	741
Fabricated pipe and pipe fitting manufacturing	<1	51	68	183
Other fabricated metal manufacturing	<1	219	316	802
Farm machinery and equipment manufacturing	<1	5	9	40

Appendix

Lawn and garden equipment manufacturing	<1	58	118	454
Construction machinery manufacturing	<1	28	75	195
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	3	4	12
Food product machinery manufacturing	<1	2	3	8
Sawmill, woodworking, and paper machinery	<1	18	21	60
Printing machinery and equipment manufacturing	<1	8	9	28
All other industrial machinery manufacturing	<1	23	32	92
Optical instrument and lens manufacturing	<1	3	5	13
Photographic and photocopying equipment manufacturing	<1	4	5	16
Other commercial service industry machinery manufacturing	<1	61	113	315
Air purification and ventilation equipment manufacturing	<1	48	73	217
Heating equipment (except warm air furnaces) manufacturing	<1	84	149	481
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	359	745	1,756
Industrial mold manufacturing	<1	19	23	46
Special tool, die, jig, and fixture manufacturing	<1	20	28	55
Cutting tool and machine tool accessory manufacturing	<1	50	59	145
Machine tool manufacturing	<1	14	19	50
Rolling mill and other metalworking machinery manufacturing	<1	2	2	6
Turbine and turbine generator set units manufacturing	<1	9	13	38
Speed changer, industrial high-speed drive, and gear manufacturing	<1	41	69	188
Mechanical power transmission equipment manufacturing	<1	57	101	209
Other engine equipment manufacturing	<1	358	907	2,974

Appendix

Pump and pumping equipment manufacturing	<1	31	61	153
Air and gas compressor manufacturing	<1	16	34	85
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	5	5	17
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	4
Industrial truck, trailer, and stacker manufacturing	<1	20	36	110
Power-driven handtool manufacturing	<1	58	177	480
Welding and soldering equipment manufacturing	<1	2	3	8
Packaging machinery manufacturing	<1	8	12	31
Industrial process furnace and oven manufacturing	<1	3	4	8
Fluid power cylinder and actuator manufacturing	<1	23	35	91
Fluid power pump and motor manufacturing	<1	28	50	148
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	24	32	90
Electronic computer manufacturing	<1	6	19	37
Computer storage device manufacturing	<1	41	166	431
Computer terminals and other computer peripheral equipment manufacturing	<1	757	1,680	3,014
Telephone apparatus manufacturing	<1	53	113	235
Broadcast and wireless communications equipment manufacturing	<1	39	84	164
Other communications equipment manufacturing	<1	26	61	161
Audio and video equipment manufacturing	<1	38	92	257
Printed circuit assembly (electronic assembly) manufacturing	<1	107	295	903
Bare printed circuit board manufacturing	<1	13	21	34
Semiconductor and related device manufacturing	<1	469	1,129	2,442

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	60	111	284
Electronic connector manufacturing	<1	122	251	442
Other electronic component manufacturing	<1	33	57	145
Electromedical and electrotherapeutic apparatus manufacturing	<1	9	27	59
Search, detection, and navigation instruments manufacturing	<1	2	6	9
Automatic environmental control manufacturing	<1	61	102	221
Industrial process variable instruments manufacturing	<1	412	881	1,334
Totalizing fluid meter and counting device manufacturing	<1	5	16	35
Electricity and signal testing instruments manufacturing	<1	1,083	2,385	5,476
Analytical laboratory instrument manufacturing	<1	16,813	42,111	81,354
Irradiation apparatus manufacturing	<1	1	4	8
Watch, clock, and other measuring and controlling device manufacturing	<1	48	134	289
Blank magnetic and optical recording media manufacturing	<1	17	87	108
Software and other prerecorded and record reproducing	<1	139	260	302
Electric lamp bulb and part manufacturing	<1	183	500	874
Lighting fixture manufacturing	<1	41	73	200
Small electrical appliance manufacturing	<1	3	11	32
Household cooking appliance manufacturing	<1	152	503	1,065
Household refrigerator and home freezer manufacturing	<1	164	574	1,169
Household laundry equipment manufacturing	<1	387	940	2,561
Other major household appliance manufacturing	<1	68	260	492
Power, distribution, and specialty transformer manufacturing	<1	13	24	53
Motor and generator manufacturing	<1	185	401	1,063
Switchgear and switchboard apparatus manufacturing	<1	116	254	503

Appendix

Relay and industrial control manufacturing	<1	1,232	2,037	4,410
Storage battery manufacturing	<1	142	236	512
Primary battery manufacturing	<1	602	2,803	3,197
Fiber optic cable manufacturing	<1	538	744	2,802
Other communication and energy wire manufacturing	<1	81	153	422
Wiring device manufacturing	<1	1,156	2,930	6,040
Carbon and graphite product manufacturing	<1	214	476	1,278
All other miscellaneous electrical equipment and component manufacturing	<1	6	7	21
Automobile manufacturing	<1	2	6	19
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	9	26	111
Motor vehicle body manufacturing	<1	43	60	215
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	220	247	822
Motor vehicle gasoline engine and engine parts manufacturing	<1	158	246	1,494
Motor vehicle electrical and electronic equipment manufacturing	<1	66	91	440
Motor vehicle transmission and power train parts manufacturing	<1	2,158	3,481	14,697
Motor vehicle seating and interior trim manufacturing	<1	3	4	26
Motor vehicle metal stamping	<1	38	49	160
Other motor vehicle parts manufacturing	<1	1,341	1,737	8,089
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	376	650	2,536
Aircraft manufacturing	<1	2	22	37
Aircraft engine and engine parts manufacturing	<1	370	2,494	3,357
Other aircraft parts and auxiliary equipment manufacturing	<1	40	148	229
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	2	5	13
Ship building and repairing	<1	<1	<1	2
Boat building	<1	298	833	1,909
Motorcycle, bicycle, and parts manufacturing	<1	29	438	511
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	312	1,819	3,193
Wood kitchen cabinet and countertop manufacturing	<1	364	501	1,196
Upholstered household furniture manufacturing	<1	2,157	2,515	8,028
Nonupholstered wood household furniture manufacturing	<1	206	250	691
Other household nonupholstered furniture manufacturing	<1	78	131	428
Institutional furniture manufacturing	<1	5	6	20
Wood office furniture manufacturing	<1	5	7	18
Custom architectural woodwork and millwork	<1	7	7	21
Office furniture, except wood, manufacturing	<1	10	18	57
Showcase, partition, shelving, and locker manufacturing	<1	82	122	368
Mattress manufacturing	<1	210	403	1,339
Blind and shade manufacturing	<1	27	29	103
Surgical and medical instrument manufacturing	<1	100	205	481
Surgical appliance and supplies manufacturing	<1	292	661	1,619
Dental equipment and supplies manufacturing	<1	16	30	67
Ophthalmic goods manufacturing	<1	3	7	14
Dental laboratories	<1	106	111	212
Jewelry and silverware manufacturing	<1	162	260	714
Sporting and athletic goods manufacturing	<1	57	87	294
Doll, toy, and game manufacturing	<1	5	10	40
Office supplies (except paper) manufacturing	<1	158	252	721
Sign manufacturing	<1	114	106	300
Gasket, packing, and sealing device manufacturing	<1	52	68	183

Appendix

Musical instrument manufacturing	<1	51	59	151
Fasteners, buttons, needles, and pins manufacturing	<1	127	185	481
Broom, brush, and mop manufacturing	<1	135	288	650
Burial casket manufacturing	<1	21	28	59
All other miscellaneous manufacturing	<1	302	431	1,177
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,766	3,700	8,689
Wholesale - Professional and commercial equipment and supplies	<1	9,441	14,426	23,759
Wholesale - Household appliances and electrical and electronic goods	<1	3,388	7,248	15,317
Wholesale - Machinery, equipment, and supplies	<1	3,250	5,841	10,125
Wholesale - Other durable goods merchant wholesalers	<1	7,002	11,422	22,743
Wholesale - Drugs and druggists' sundries	<1	4,349	12,569	22,742
Wholesale - Grocery and related product wholesalers	<1	6,332	8,262	16,860
Wholesale - Petroleum and petroleum products	<1	666	13,123	14,830
Wholesale - Other nondurable goods merchant wholesalers	<1	9,554	20,464	37,378
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,543	7,790	8,944
Retail - Motor vehicle and parts dealers	<1	7,877	11,263	16,958
Retail - Furniture and home furnishings stores	<1	3,951	4,896	8,439
Retail - Electronics and appliance stores	<1	4,495	4,370	7,442
Retail - Building material and garden equipment and supplies stores	<1	4,368	7,453	11,413
Retail - Food and beverage stores	<1	11,131	14,538	25,947
Retail - Health and personal care stores	<1	7,724	9,386	14,938
Retail - Gasoline stores	<1	4,402	6,213	11,912
Retail - Clothing and clothing accessories stores	<1	4,987	7,337	16,664
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,990	3,741	6,399
Retail - General merchandise stores	<1	11,939	16,051	28,031

Appendix

Retail - Miscellaneous store retailers	<1	5,124	5,927	10,538
Retail - Nonstore retailers	<1	5,747	20,911	42,978
Air transportation	<1	5,964	13,065	23,854
Rail transportation	<1	890	1,311	2,956
Water transportation	<1	92	226	1,509
Truck transportation	<1	12,485	15,179	30,703
Transit and ground passenger transportation	<1	2,539	3,013	5,561
Pipeline transportation	<1	477	1,207	1,514
Scenic and sightseeing transportation and support activities for transportation	<1	7,864	8,612	17,664
Couriers and messengers	<1	4,493	6,192	10,918
Warehousing and storage	<1	8,528	9,724	18,632
Newspaper publishers	<1	769	1,337	1,729
Periodical publishers	<1	586	951	1,445
Book publishers	<1	537	1,664	2,707
Directory, mailing list, and other publishers	<1	168	491	782
Greeting card publishing	<1	71	211	326
Software publishers	<1	24,162	55,234	59,898
Motion picture and video industries	<1	1,684	2,721	8,053
Sound recording industries	<1	181	1,020	2,065
Radio and television broadcasting	<1	5,124	5,976	16,431
Cable and other subscription programming	<1	2,191	9,440	20,081
Wired telecommunications carriers	<1	7,445	13,340	27,394
Wireless telecommunications carriers (except satellite)	<1	2,094	11,523	33,636
Satellite, telecommunications resellers, and all other telecommunications	<1	2,064	2,531	6,676
Data processing, hosting, and related services	<1	32,307	64,995	137,146
News syndicates, libraries, archives and all other information services	<1	367	574	1,189
Internet publishing and broadcasting and web search portals	<1	3,158	7,158	21,181
Nondepository credit intermediation and related activities	<1	9,653	13,712	20,321
Securities and commodity contracts intermediation and brokerage	<1	18,148	15,527	23,797

Appendix

Monetary authorities and depository credit intermediation	<1	27,309	109,459	137,044
Other financial investment activities	<1	20,209	24,094	45,143
Direct life insurance carriers	<1	6,092	11,049	15,857
Insurance carriers, except direct life	<1	12,124	35,025	78,217
Insurance agencies, brokerages, and related activities	<1	13,800	20,679	49,236
Funds, trusts, and other financial vehicles	<1	2,832	3,893	19,464
Other real estate	1	33,997	97,473	253,895
Tenant-occupied housing	<1	2,364	48,372	52,405
Owner-occupied dwellings	0	0	156,334	198,459
Automotive equipment rental and leasing	<1	2,287	6,125	8,497
General and consumer goods rental except video tapes and discs	<1	2,923	3,574	5,991
Video tape and disc rental	<1	613	1,003	1,623
Commercial and industrial machinery and equipment rental and leasing	<1	2,292	5,532	7,656
Lessors of nonfinancial intangible assets	<1	483	10,729	12,273
Legal services	<1	20,314	32,170	45,742
Accounting, tax preparation, bookkeeping, and payroll services	<1	11,664	17,936	24,646
Architectural, engineering, and related services	<1	10,386	12,231	21,097
Specialized design services	<1	1,448	2,864	3,831
Custom computer programming services	<1	7,809	8,781	11,668
Computer systems design services	<1	8,381	8,643	10,789
Other computer related services, including facilities management	<1	2,538	4,739	7,742
Management consulting services	<1	32,967	35,369	54,355
Environmental and other technical consulting services	<1	4,299	4,707	6,929
Scientific research and development services	3	311,668	486,173	825,575
Advertising, public relations, and related services	<1	9,759	15,022	25,398
Photographic services	<1	367	1,279	1,993
Veterinary services	<1	1,920	2,712	4,067
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	18,101	42,070	64,213

Appendix

Management of companies and enterprises	<1	57,730	71,282	109,439
Office administrative services	<1	12,618	4,561	12,101
Facilities support services	<1	970	1,422	3,256
Employment services	<1	36,670	53,244	77,448
Business support services	<1	6,288	5,288	9,478
Travel arrangement and reservation services	<1	1,177	1,534	3,927
Investigation and security services	<1	4,208	4,201	6,329
Services to buildings	<1	7,404	10,378	19,387
Landscape and horticultural services	<1	5,253	6,556	11,758
Other support services	<1	2,971	3,880	8,198
Waste management and remediation services	<1	3,367	6,211	11,309
Elementary and secondary schools	<1	6,923	5,860	6,957
Junior colleges, colleges, universities, and professional schools	4	208,797	276,885	360,049
Other educational services	<1	4,805	5,566	10,302
Offices of physicians	<1	50,059	53,050	75,119
Offices of dentists	<1	10,845	13,548	18,582
Offices of other health practitioners	<1	7,228	10,424	13,906
Outpatient care centers	<1	6,591	6,134	11,694
Medical and diagnostic laboratories	<1	4,389	6,271	8,760
Home health care services	<1	5,395	5,246	7,117
Other ambulatory health care services	<1	2,071	2,337	3,961
Hospitals	<1	51,146	60,615	116,421
Nursing and community care facilities	<1	11,652	13,544	24,085
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,973	4,425	7,255
Individual and family services	<1	8,870	8,000	11,881
Child day care services	<1	3,938	6,089	8,166
Community food, housing, and other relief services, including rehabilitation services	<1	1,920	2,024	4,289
Performing arts companies	<1	613	928	1,434
Commercial Sports Except Racing	<1	6,442	4,920	7,610
Racing and Track Operation	<1	455	949	1,189
Independent artists, writers, and performers	<1	674	2,237	2,955

Appendix

Promoters of performing arts and sports and agents for public figures	<1	2,036	3,885	6,551
Museums, historical sites, zoos, and parks	<1	692	824	1,199
Amusement parks and arcades	<1	405	1,000	1,407
Gambling industries (except casino hotels)	<1	2,280	4,642	7,840
Other amusement and recreation industries	<1	2,377	2,571	5,073
Fitness and recreational sports centers	<1	1,754	2,388	4,894
Bowling centers	<1	213	348	631
Hotels and motels, including casino hotels	<1	5,119	9,632	14,972
Other accommodations	<1	2,059	2,894	3,792
Full-service restaurants	<1	21,206	31,028	53,585
Limited-service restaurants	<1	15,055	23,876	53,076
All other food and drinking places	<1	14,481	20,166	29,173
Automotive repair and maintenance, except car washes	<1	11,097	12,393	19,121
Car washes	<1	5,617	8,020	12,603
Electronic and precision equipment repair and maintenance	<1	3,011	3,447	5,630
Commercial and industrial machinery and equipment repair and maintenance	<1	4,218	4,586	6,870
Personal and household goods repair and maintenance	<1	1,550	2,931	4,335
Personal care services	<1	6,269	5,536	7,475
Death care services	<1	1,602	1,030	1,544
Dry-cleaning and laundry services	<1	3,012	1,852	2,611
Other personal services	<1	3,989	4,822	7,238
Religious organizations	<1	3,560	1,831	6,746
Grantmaking, giving, and social advocacy organizations	<1	1,137	3,698	5,761
Business and professional associations	<1	2,466	4,269	7,387
Labor and civic organizations	<1	1,683	4,836	8,613
Private households	<1	2,340	2,340	2,340
Postal service	<1	7,229	7,233	7,698
Federal electric utilities	<1	13	25	116
Other federal government enterprises	<1	350	405	1,932
State government passenger transit	<1	291	113	1,106
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	244	298	613
Local government passenger transit	<1	958	382	1,018
Local government electric utilities	<1	103	335	583
Other local government enterprises	<1	2,959	6,693	14,612
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	844,194	881,382	2,016,362

Investments in Climate Change Research and Technology

Table 726: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>320</i>	<i>17,800,004</i>	<i>28,149,115</i>	<i>50,710,874</i>
Oilseed farming	<1	15,151	20,081	44,226
Grain farming	<1	8,406	1,097	46,046
Vegetable and melon farming	<1	4,620	6,125	19,227
Fruit farming	<1	1,675	2,311	5,882
Tree nut farming	<1	23	33	86
Greenhouse, nursery, and floriculture production	<1	4,120	5,008	15,224
Tobacco farming	<1	4,837	4,346	12,101
Cotton farming	<1	1,150	1,379	3,973
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	4,393	4,821	15,485
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,752	2,945	11,856

Appendix

Dairy cattle and milk production	<1	1,105	1,610	11,969
Poultry and egg production	<1	4,811	5,427	119,743
Animal production, except cattle and poultry and eggs	<1	42,869	56,171	114,414
Forestry, forest products, and timber tract production	<1	771	856	1,117
Commercial logging	<1	11,458	11,762	20,095
Commercial fishing	<1	562	2,072	4,027
Commercial hunting and trapping	<1	632	1,649	2,224
Support activities for agriculture and forestry	<1	23,294	23,378	29,014
Oil and gas extraction	<1	-11	171	77,956
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	380	464	627
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	283	372	757
Stone mining and quarrying	<1	8,282	20,952	44,047
Sand and gravel mining	<1	2,354	4,087	9,009
Other clay, ceramic, refractory minerals mining	<1	760	1,203	2,756
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	200	319	794
Drilling oil and gas wells	<1	<1	1	6
Support activities for oil and gas operations	<1	5	5	28
Metal mining services	<1	0	1	714
Other nonmetallic minerals services	<1	3	4	117
Electric power generation - Hydroelectric	<1	663	1,994	4,003
Electric power generation - Fossil fuel	<1	17,848	68,486	160,255
Electric power generation - Nuclear	<1	18,946	40,007	78,119
Electric power generation - Solar	<1	2,210	9,175	20,411
Electric power generation - Wind	<1	390	3,290	5,905
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	391	1,655	4,566
Electric power generation - All other	<1	348	282	699
Electric power transmission and distribution	<1	63,307	230,357	537,129
Natural gas distribution	<1	20,759	62,800	144,412
Water, sewage and other systems	<1	10,027	21,065	37,407
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	18	1,106,718	1,253,405	2,730,732
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	64,124	84,254	220,859
Maintenance and repair construction of residential structures	<1	21,084	27,594	71,605
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	31	42	108
Dog and cat food manufacturing	<1	736	2,294	10,307
Other animal food manufacturing	<1	3,504	6,122	48,172
Flour milling	<1	2,353	4,812	38,675
Rice milling	0	0	0	0
Malt manufacturing	<1	522	1,040	9,729
Wet corn milling	<1	1,755	4,948	25,490
Soybean and other oilseed processing	<1	720	4,157	29,403
Fats and oils refining and blending	<1	356	752	7,234
Breakfast cereal manufacturing	<1	278	705	2,279
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	612	991	5,321
Chocolate and confectionery manufacturing from cacao beans	<1	69	110	555
Confectionery manufacturing from purchased chocolate	<1	182	266	1,683
Frozen fruits, juices and vegetables manufacturing	<1	165	338	1,464
Frozen specialties manufacturing	<1	559	813	3,506
Canned fruits and vegetables manufacturing	<1	1,751	3,741	15,332
Canned specialties	<1	2,990	8,376	29,309
Dehydrated food products manufacturing	<1	319	595	1,999
Cheese manufacturing	<1	14	25	872
Dry, condensed, and evaporated dairy product manufacturing	<1	101	268	3,050
Fluid milk manufacturing	<1	1,212	2,033	15,108
Creamery butter manufacturing	<1	86	472	5,043
Ice cream and frozen dessert manufacturing	<1	1,124	1,613	7,164
Frozen cakes and other pastries manufacturing	<1	4,848	6,796	14,036
Poultry processing	<1	29,875	37,511	193,142
Animal, except poultry, slaughtering	<1	24,375	31,815	272,746
Meat processed from carcasses	<1	4,054	4,039	34,866
Rendering and meat byproduct processing	<1	961	902	5,633
Seafood product preparation and packaging	<1	2,030	2,738	22,114
Bread and bakery product, except frozen, manufacturing	<1	14,613	20,990	54,345
Cookie and cracker manufacturing	<1	8,076	11,928	36,171
Dry pasta, mixes, and dough manufacturing	<1	605	1,435	5,854
Tortilla manufacturing	<1	448	580	2,373
Roasted nuts and peanut butter manufacturing	<1	1,096	2,622	10,042
Other snack food manufacturing	<1	2,964	7,095	25,730
Coffee and tea manufacturing	<1	1,518	2,921	14,461
Flavoring syrup and concentrate manufacturing	<1	91	784	1,491
Mayonnaise, dressing, and sauce manufacturing	<1	136	285	1,653
Spice and extract manufacturing	<1	820	1,424	5,837
All other food manufacturing	<1	2,512	3,890	22,441

Appendix

Bottled and canned soft drinks & water	<1	7,949	11,368	42,371
Manufactured ice	<1	557	410	1,221
Breweries	<1	12,264	25,340	71,793
Wineries	<1	1,529	2,388	9,814
Distilleries	<1	923	3,489	7,475
Tobacco product manufacturing	<1	4,692	92,751	148,496
Fiber, yarn, and thread mills	<1	14,273	20,255	101,359
Broadwoven fabric mills	<1	5,663	8,722	32,472
Narrow fabric mills and schiffli machine embroidery	<1	1,052	1,150	3,692
Nonwoven fabric mills	<1	8,656	15,672	55,376
Knit fabric mills	<1	1,623	2,071	6,493
Textile and fabric finishing mills	<1	1,505	1,949	7,955
Fabric coating mills	<1	727	981	4,386
Carpet and rug mills	<1	4,087	6,525	27,445
Curtain and linen mills	<1	529	676	2,584
Textile bag and canvas mills	<1	455	539	1,778
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,679	2,425	7,087
Other textile product mills	<1	1,867	2,237	7,023
Hosiery and sock mills	<1	1,435	1,381	4,311
Other apparel knitting mills	<1	114	140	398
Cut and sew apparel contractors	<1	123	137	353
Mens and boys cut and sew apparel manufacturing	<1	393	429	1,510
Womens and girls cut and sew apparel manufacturing	<1	49	69	353
Other cut and sew apparel manufacturing	<1	833	955	2,870
Apparel accessories and other apparel manufacturing	<1	155	183	750
Leather and hide tanning and finishing	<1	105	122	874
Footwear manufacturing	<1	204	219	983
Other leather and allied product manufacturing	<1	73	77	260
Sawmills	<1	14,236	22,492	79,268
Wood preservation	<1	1,162	3,266	11,164
Veneer and plywood manufacturing	<1	6,741	10,649	35,477
Engineered wood member and truss manufacturing	<1	4,956	7,479	22,240
Reconstituted wood product manufacturing	<1	4,490	10,424	33,790
Wood windows and door manufacturing	<1	12,741	18,028	41,939

Appendix

Cut stock, resawing lumber, and planing	<1	1,307	2,421	7,284
Other millwork, including flooring	<1	4,265	7,007	18,375
Wood container and pallet manufacturing	<1	3,066	4,297	12,154
Manufactured home (mobile home) manufacturing	<1	71	90	246
Prefabricated wood building manufacturing	<1	2,174	3,052	9,546
All other miscellaneous wood product manufacturing	<1	1,654	2,510	6,890
Pulp mills	<1	3,141	4,587	18,218
Paper mills	<1	10,429	21,881	83,502
Paperboard mills	<1	3,584	7,583	31,568
Paperboard container manufacturing	<1	11,124	16,077	74,721
Paper bag and coated and treated paper manufacturing	<1	8,005	13,557	53,406
Stationery product manufacturing	<1	1,272	1,833	7,156
Sanitary paper product manufacturing	<1	4,244	10,623	34,883
All other converted paper product manufacturing	<1	1,384	1,943	7,219
Printing	<1	22,328	36,980	79,499
Support activities for printing	<1	2,008	3,135	4,878
Petroleum refineries	<1	67	604	2,628
Asphalt paving mixture and block manufacturing	<1	1,410	2,538	11,163
Asphalt shingle and coating materials manufacturing	<1	1,344	6,193	13,763
Petroleum lubricating oil and grease manufacturing	<1	326	1,475	3,663
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,301	18,192	57,755
Industrial gas manufacturing	<1	257	773	1,993
Synthetic dye and pigment manufacturing	<1	754	2,066	4,656
Other basic inorganic chemical manufacturing	<1	1,559	4,693	13,377
Other basic organic chemical manufacturing	<1	6,728	18,277	85,041
Plastics material and resin manufacturing	<1	4,723	9,989	57,550
Synthetic rubber manufacturing	<1	435	828	3,913
Artificial and synthetic fibers and filaments manufacturing	<1	9,593	17,365	63,442

Appendix

Nitrogenous fertilizer manufacturing	<1	1,884	6,594	16,070
Phosphatic fertilizer manufacturing	<1	2,527	7,208	19,469
Fertilizer mixing	<1	233	633	1,910
Pesticide and other agricultural chemical manufacturing	<1	5,831	24,911	58,246
Medicinal and botanical manufacturing	<1	372	835	1,966
Pharmaceutical preparation manufacturing	<1	26,247	133,699	319,955
In-vitro diagnostic substance manufacturing	<1	18	34	86
Biological product (except diagnostic) manufacturing	<1	4,578	13,284	24,000
Paint and coating manufacturing	<1	4,061	10,794	34,743
Adhesive manufacturing	<1	1,291	2,757	10,193
Soap and other detergent manufacturing	<1	4,285	20,211	59,092
Polish and other sanitation good manufacturing	<1	2,712	5,302	14,687
Surface active agent manufacturing	<1	1,347	6,651	16,261
Toilet preparation manufacturing	<1	3,732	18,372	41,740
Printing ink manufacturing	<1	684	774	3,352
Explosives manufacturing	<1	84	104	398
Custom compounding of purchased resins	<1	1,043	2,441	8,012
Photographic film and chemical manufacturing	<1	1,349	4,373	12,843
Other miscellaneous chemical product manufacturing	<1	2,148	4,660	13,547
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	7,029	12,294	37,551
Unlaminated plastics profile shape manufacturing	<1	987	2,359	8,525
Plastics pipe and pipe fitting manufacturing	<1	3,036	8,866	25,119
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	888	1,785	5,018
Polystyrene foam product manufacturing	<1	5,456	9,923	36,387
Urethane and other foam product (except polystyrene) manufacturing	<1	4,334	7,543	33,244
Plastics bottle manufacturing	<1	760	1,297	5,914
Other plastics product manufacturing	<1	20,997	32,002	104,366

Appendix

Tire manufacturing	<1	7,383	11,809	45,839
Rubber and plastics hoses and belting manufacturing	<1	1,207	1,899	5,502
Other rubber product manufacturing	<1	2,147	3,192	10,693
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,416	2,023	5,033
Brick, tile, and other structural clay product manufacturing	<1	4,339	7,268	17,654
Flat glass manufacturing	<1	1,983	4,013	10,190
Other pressed and blown glass and glassware manufacturing	<1	4,972	8,455	17,962
Glass container manufacturing	<1	2,004	3,092	7,547
Glass product manufacturing made of purchased glass	<1	871	1,447	3,846
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	16,875	27,877	93,233
Concrete block and brick manufacturing	<1	9,400	16,477	34,117
Concrete pipe manufacturing	<1	5,906	9,853	25,521
Other concrete product manufacturing	<1	18,684	25,865	62,755
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	1,576	4,079	10,036
Abrasive product manufacturing	<1	1,137	3,069	5,797
Cut stone and stone product manufacturing	<1	2,178	2,556	5,659
Ground or treated mineral and earth manufacturing	<1	215	546	1,134
Mineral wool manufacturing	<1	606	1,311	2,936
Miscellaneous nonmetallic mineral products manufacturing	<1	5,409	15,001	32,515
Iron and steel mills and ferroalloy manufacturing	<1	54,897	101,870	596,094
Iron, steel pipe and tube manufacturing from purchased steel	<1	495	813	4,479
Rolled steel shape manufacturing	<1	704	1,360	7,963
Steel wire drawing	<1	1,982	2,727	14,437
Alumina refining and primary aluminum production	<1	178	273	2,363
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	273	521	2,910
Other aluminum rolling, drawing and extruding	<1	165	235	1,250

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	25	90	391
Copper rolling, drawing, extruding and alloying	<1	3,028	4,345	41,120
Nonferrous metal, except copper and aluminum, shaping	<1	1,154	1,372	4,697
Secondary processing of other nonferrous metals	<1	399	743	3,864
Ferrous metal foundries	<1	1,406	2,054	4,982
Nonferrous metal foundries	<1	1,357	1,854	5,289
Custom roll forming	<1	144	284	1,251
Crown and closure manufacturing and metal stamping	<1	796	1,090	3,193
Iron and steel forging	<1	530	993	3,420
Nonferrous forging	<1	64	106	394
Cutlery, utensil, pot, and pan manufacturing	<1	185	601	1,407
Handtool manufacturing	<1	1,917	3,574	6,830
Prefabricated metal buildings and components manufacturing	<1	16,598	26,962	78,503
Fabricated structural metal manufacturing	<1	11,660	19,591	63,404
Plate work manufacturing	<1	1,705	1,941	6,622
Metal window and door manufacturing	<1	7,046	10,585	26,941
Sheet metal work manufacturing	<1	3,143	4,577	12,340
Ornamental and architectural metal work manufacturing	<1	2,579	3,693	11,091
Power boiler and heat exchanger manufacturing	<1	112	178	557
Metal tank (heavy gauge) manufacturing	<1	1,748	2,411	7,064
Metal cans manufacturing	<1	451	1,217	4,164
Metal barrels, drums and pails manufacturing	<1	473	628	2,410
Hardware manufacturing	<1	2,579	4,591	13,781
Spring and wire product manufacturing	<1	640	975	3,227
Machine shops	<1	5,253	6,930	15,426
Turned product and screw, nut, and bolt manufacturing	<1	768	1,270	3,327
Metal heat treating	<1	1,003	1,631	3,958
Metal coating and nonprecious engraving	<1	2,298	4,722	11,216
Electroplating, anodizing, and coloring metal	<1	1,159	1,385	3,190
Valve and fittings, other than plumbing, manufacturing	<1	3,792	6,859	18,682

Appendix

Plumbing fixture fitting and trim manufacturing	<1	2,949	10,003	32,153
Ball and roller bearing manufacturing	<1	498	1,058	2,705
Small arms ammunition manufacturing	<1	27	68	235
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	934	2,063	5,008
Fabricated pipe and pipe fitting manufacturing	<1	2,690	3,661	9,534
Other fabricated metal manufacturing	<1	2,455	3,551	9,300
Farm machinery and equipment manufacturing	<1	32	61	268
Lawn and garden equipment manufacturing	<1	311	595	2,582
Construction machinery manufacturing	<1	1,067	2,618	7,511
Mining machinery and equipment manufacturing	<1	3	5	11
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	9	11	32
Food product machinery manufacturing	<1	27	33	100
Sawmill, woodworking, and paper machinery	<1	130	148	441
Printing machinery and equipment manufacturing	<1	68	77	259
All other industrial machinery manufacturing	<1	179	241	706
Optical instrument and lens manufacturing	<1	21	32	87
Photographic and photocopying equipment manufacturing	<1	12	18	58
Other commercial service industry machinery manufacturing	<1	3,332	5,824	16,291
Air purification and ventilation equipment manufacturing	<1	992	1,396	4,282
Heating equipment (except warm air furnaces) manufacturing	<1	1,413	2,337	8,646
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5,854	11,381	29,336
Industrial mold manufacturing	<1	143	172	365
Special tool, die, jig, and fixture manufacturing	<1	205	287	582

Appendix

Cutting tool and machine tool accessory manufacturing	<1	300	349	879
Machine tool manufacturing	<1	142	187	512
Rolling mill and other metalworking machinery manufacturing	<1	13	16	42
Turbine and turbine generator set units manufacturing	<1	57	78	281
Speed changer, industrial high-speed drive, and gear manufacturing	<1	357	565	1,740
Mechanical power transmission equipment manufacturing	<1	928	1,571	3,468
Other engine equipment manufacturing	<1	2,331	5,256	22,571
Pump and pumping equipment manufacturing	<1	1,723	3,266	8,583
Air and gas compressor manufacturing	<1	416	801	2,003
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	56	65	211
Overhead cranes, hoists, and monorail systems manufacturing	<1	164	346	1,151
Industrial truck, trailer, and stacker manufacturing	<1	237	406	1,304
Power-driven handtool manufacturing	<1	188	549	1,669
Welding and soldering equipment manufacturing	<1	42	64	180
Packaging machinery manufacturing	<1	38	58	151
Industrial process furnace and oven manufacturing	<1	28	34	81
Fluid power cylinder and actuator manufacturing	<1	353	526	1,363
Fluid power pump and motor manufacturing	<1	141	244	764
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	284	362	1,082
Electronic computer manufacturing	<1	25	83	171
Computer storage device manufacturing	<1	146	595	1,536
Computer terminals and other computer peripheral equipment manufacturing	<1	3,847	8,819	15,927
Telephone apparatus manufacturing	<1	1,012	2,345	4,394

Appendix

Broadcast and wireless communications equipment manufacturing	<1	65	140	287
Other communications equipment manufacturing	<1	163	416	998
Audio and video equipment manufacturing	<1	137	334	975
Printed circuit assembly (electronic assembly) manufacturing	<1	204	591	1,797
Bare printed circuit board manufacturing	<1	42	70	100
Semiconductor and related device manufacturing	<1	1,581	4,128	9,683
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	77	144	384
Electronic connector manufacturing	<1	497	1,048	1,856
Other electronic component manufacturing	<1	91	161	408
Electromedical and electrotherapeutic apparatus manufacturing	<1	42	126	278
Search, detection, and navigation instruments manufacturing	<1	2	4	7
Automatic environmental control manufacturing	<1	341	578	1,273
Industrial process variable instruments manufacturing	<1	2,883	6,287	9,537
Totalizing fluid meter and counting device manufacturing	<1	57	215	451
Electricity and signal testing instruments manufacturing	<1	24	54	127
Analytical laboratory instrument manufacturing	<1	18	45	94
Irradiation apparatus manufacturing	<1	5	16	35
Watch, clock, and other measuring and controlling device manufacturing	<1	157	448	990
Blank magnetic and optical recording media manufacturing	<1	37	184	276
Software and other prerecorded and record reproducing	<1	763	1,439	1,949
Electric lamp bulb and part manufacturing	<1	1,198	2,925	5,741
Lighting fixture manufacturing	<1	500	895	2,546
Small electrical appliance manufacturing	<1	24	72	233

Appendix

Household cooking appliance manufacturing	<1	1,038	2,985	6,782
Household refrigerator and home freezer manufacturing	<1	1,146	3,449	7,551
Household laundry equipment manufacturing	<1	2,600	5,668	16,256
Other major household appliance manufacturing	<1	631	2,034	4,190
Power, distribution, and specialty transformer manufacturing	<1	74	135	324
Motor and generator manufacturing	<1	1,773	3,712	9,978
Switchgear and switchboard apparatus manufacturing	<1	1,581	3,240	6,990
Relay and industrial control manufacturing	<1	3,688	5,929	13,414
Storage battery manufacturing	<1	733	1,251	2,830
Primary battery manufacturing	<1	3,588	9,006	18,765
Fiber optic cable manufacturing	<1	3,674	5,041	21,750
Other communication and energy wire manufacturing	<1	1,141	2,095	6,020
Wiring device manufacturing	<1	5,918	14,367	32,898
Carbon and graphite product manufacturing	<1	1,233	2,568	6,957
All other miscellaneous electrical equipment and component manufacturing	<1	28	36	105
Automobile manufacturing	<1	13	56	171
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	100	307	1,312
Motor vehicle body manufacturing	<1	479	704	2,325
Truck trailer manufacturing	<1	3	4	18
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,362	2,731	8,906
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,288	2,236	12,500
Motor vehicle electrical and electronic equipment manufacturing	<1	741	1,150	6,160
Motor vehicle transmission and power train parts manufacturing	<1	10,957	18,724	93,551
Motor vehicle seating and interior trim manufacturing	<1	51	68	445
Motor vehicle metal stamping	<1	900	1,197	4,097
Other motor vehicle parts manufacturing	<1	13,435	21,377	83,364

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,875	5,267	20,980
Aircraft manufacturing	<1	27	260	411
Aircraft engine and engine parts manufacturing	<1	207	1,529	2,205
Other aircraft parts and auxiliary equipment manufacturing	<1	75	290	460
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	28	67	191
Ship building and repairing	<1	3	7	14
Boat building	<1	3,142	8,731	20,592
Motorcycle, bicycle, and parts manufacturing	<1	131	1,942	2,359
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,003	10,865	20,418
Wood kitchen cabinet and countertop manufacturing	<1	4,752	7,205	16,919
Upholstered household furniture manufacturing	<1	10,227	11,899	38,321
Nonupholstered wood household furniture manufacturing	<1	1,352	1,697	4,738
Other household nonupholstered furniture manufacturing	<1	445	758	2,619
Institutional furniture manufacturing	<1	226	253	854
Wood office furniture manufacturing	<1	415	624	1,675
Custom architectural woodwork and millwork	<1	158	153	470
Office furniture, except wood, manufacturing	<1	191	365	1,085
Showcase, partition, shelving, and locker manufacturing	<1	827	1,339	4,030
Mattress manufacturing	<1	1,471	2,910	9,889
Blind and shade manufacturing	<1	203	217	779
Surgical and medical instrument manufacturing	<1	546	1,092	2,817
Surgical appliance and supplies manufacturing	<1	1,508	3,230	8,645
Dental equipment and supplies manufacturing	<1	82	151	356

Appendix

Ophthalmic goods manufacturing	<1	19	40	85
Dental laboratories	<1	557	580	1,124
Jewelry and silverware manufacturing	<1	1,236	1,931	5,428
Sporting and athletic goods manufacturing	<1	393	589	2,176
Doll, toy, and game manufacturing	<1	27	48	218
Office supplies (except paper) manufacturing	<1	1,331	2,045	6,687
Sign manufacturing	<1	1,219	1,077	3,155
Gasket, packing, and sealing device manufacturing	<1	515	670	1,873
Musical instrument manufacturing	<1	172	190	515
Fasteners, buttons, needles, and pins manufacturing	<1	682	954	2,535
Broom, brush, and mop manufacturing	<1	839	1,353	4,074
Burial casket manufacturing	<1	304	388	925
All other miscellaneous manufacturing	<1	2,300	3,182	9,352
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,091	27,645	64,556
Wholesale - Professional and commercial equipment and supplies	<1	63,754	97,941	163,538
Wholesale - Household appliances and electrical and electronic goods	<1	25,275	55,812	118,838
Wholesale - Machinery, equipment, and supplies	<1	45,862	83,679	144,527
Wholesale - Other durable goods merchant wholesalers	1	109,599	179,632	358,638
Wholesale - Drugs and druggists' sundries	<1	29,794	88,865	163,776
Wholesale - Grocery and related product wholesalers	<1	57,297	75,636	155,823
Wholesale - Petroleum and petroleum products	<1	10,096	137,832	160,648
Wholesale - Other nondurable goods merchant wholesalers	1	81,207	165,753	313,474
Wholesale - Wholesale electronic markets and agents and brokers	<1	77,482	80,027	92,399
Retail - Motor vehicle and parts dealers	1	60,492	86,375	131,386
Retail - Furniture and home furnishings stores	<1	28,883	35,779	62,973
Retail - Electronics and appliance stores	<1	33,724	32,040	56,206

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Retail - Building material and garden equipment and supplies stores	2	76,388	130,000	199,637
Retail - Food and beverage stores	3	73,387	97,107	177,833
Retail - Health and personal care stores	1	57,397	69,418	111,187
Retail - Gasoline stores	1	31,820	47,873	97,455
Retail - Clothing and clothing accessories stores	2	34,490	51,734	122,635
Retail - Sporting goods, hobby, musical instrument and book stores	<1	21,998	27,563	48,544
Retail - General merchandise stores	3	96,138	128,158	224,996
Retail - Miscellaneous store retailers	2	35,704	41,752	77,760
Retail - Nonstore retailers	2	40,964	140,415	298,878
Air transportation	<1	49,882	102,559	193,910
Rail transportation	<1	10,635	18,735	38,965
Water transportation	<1	579	1,411	9,963
Truck transportation	2	125,179	155,552	322,232
Transit and ground passenger transportation	1	13,057	15,189	30,536
Pipeline transportation	<1	11,250	21,314	26,642
Scenic and sightseeing transportation and support activities for transportation	<1	65,204	71,172	144,741
Couriers and messengers	<1	31,586	43,273	77,468
Warehousing and storage	2	63,611	72,451	141,732
Newspaper publishers	<1	6,136	10,460	13,834
Periodical publishers	<1	3,270	5,204	8,518
Book publishers	<1	4,071	12,417	20,774
Directory, mailing list, and other publishers	<1	1,745	4,782	7,690
Greeting card publishing	<1	367	997	1,642
Software publishers	<1	87,311	195,860	215,988
Motion picture and video industries	<1	9,184	14,495	52,865
Sound recording industries	<1	1,410	7,283	16,470
Radio and television broadcasting	<1	22,596	28,643	112,536
Cable and other subscription programming	<1	5,503	36,946	100,614
Wired telecommunications carriers	<1	57,503	107,479	226,631
Wireless telecommunications carriers (except satellite)	<1	16,461	86,345	263,297

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Satellite, telecommunications resellers, and all other telecommunications	<1	13,735	17,867	51,007
Data processing, hosting, and related services	<1	35,096	70,935	190,773
News syndicates, libraries, archives and all other information services	<1	1,950	2,929	6,700
Internet publishing and broadcasting and web search portals	<1	18,418	42,027	171,796
Nondepository credit intermediation and related activities	<1	66,318	92,123	146,125
Securities and commodity contracts intermediation and brokerage	1	121,296	107,864	197,452
Monetary authorities and depository credit intermediation	2	248,704	915,526	1,216,419
Other financial investment activities	1	101,240	125,579	287,692
Direct life insurance carriers	<1	50,494	86,541	132,344
Insurance carriers, except direct life	1	98,220	260,834	636,691
Insurance agencies, brokerages, and related activities	2	118,329	172,526	431,160
Funds, trusts, and other financial vehicles	<1	17,666	23,442	140,284
Other real estate	15	315,189	936,144	2,724,236
Tenant-occupied housing	<1	15,378	288,408	323,853
Owner-occupied dwellings	0	0	977,190	1,240,499
Automotive equipment rental and leasing	<1	11,335	40,497	60,136
General and consumer goods rental except video tapes and discs	<1	27,608	37,108	66,242
Video tape and disc rental	<1	4,351	7,308	11,900
Commercial and industrial machinery and equipment rental and leasing	<1	27,000	79,500	113,983
Lessors of nonfinancial intangible assets	<1	3,141	62,174	71,473
Legal services	2	159,171	244,692	357,002
Accounting, tax preparation, bookkeeping, and payroll services	1	89,198	130,295	187,267
Architectural, engineering, and related services	2	128,473	146,633	260,356
Specialized design services	<1	11,015	20,173	28,950
Custom computer programming services	<1	39,934	45,597	63,195

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Computer systems design services	<1	55,361	56,671	72,468
Other computer related services, including facilities management	<1	14,684	27,531	46,952
Management consulting services	2	201,458	214,595	344,069
Environmental and other technical consulting services	<1	26,685	28,874	43,515
Scientific research and development services	23	2,009,305	3,248,049	5,689,200
Advertising, public relations, and related services	1	70,069	103,638	188,760
Photographic services	<1	2,853	8,770	15,054
Veterinary services	<1	13,444	18,139	28,318
Marketing research and all other miscellaneous professional, scientific, and technical services	1	86,882	189,469	317,812
Management of companies and enterprises	3	367,296	451,211	721,318
Office administrative services	1	65,893	22,502	66,330
Facilities support services	<1	6,798	9,955	24,926
Employment services	7	255,091	362,850	564,321
Business support services	1	58,197	47,889	92,353
Travel arrangement and reservation services	<1	9,346	12,157	31,925
Investigation and security services	1	32,285	31,985	50,767
Services to buildings	3	72,605	100,118	200,071
Landscape and horticultural services	1	48,596	60,200	112,578
Other support services	<1	28,970	37,629	83,612
Waste management and remediation services	<1	32,481	59,972	111,339
Elementary and secondary schools	<1	36,774	31,404	38,010
Junior colleges, colleges, universities, and professional schools	111	5,724,070	7,722,824	10,009,052
Other educational services	1	40,164	46,002	88,779
Offices of physicians	4	360,451	378,910	539,173
Offices of dentists	1	75,090	91,332	127,353
Offices of other health practitioners	<1	52,720	73,030	98,632
Outpatient care centers	<1	42,792	39,381	74,763
Medical and diagnostic laboratories	<1	29,933	41,147	59,334
Home health care services	1	39,156	37,772	51,431
Other ambulatory health care services	<1	14,336	15,933	27,418

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Hospitals	4	297,246	355,610	694,034
Nursing and community care facilities	2	74,705	86,694	160,330
Residential mental retardation, mental health, substance abuse and other facilities	<1	21,828	24,245	40,916
Individual and family services	2	51,943	45,719	69,615
Child day care services	1	25,188	37,223	52,046
Community food, housing, and other relief services, including rehabilitation services	<1	10,374	10,861	24,005
Performing arts companies	<1	3,344	5,259	9,070
Commercial Sports Except Racing	1	42,265	34,656	54,825
Racing and Track Operation	<1	2,705	5,885	8,579
Independent artists, writers, and performers	<1	3,887	15,129	20,574
Promoters of performing arts and sports and agents for public figures	<1	11,727	23,834	43,880
Museums, historical sites, zoos, and parks	<1	4,347	5,217	7,872
Amusement parks and arcades	<1	2,348	6,884	9,843
Gambling industries (except casino hotels)	<1	13,714	28,024	49,315
Other amusement and recreation industries	<1	16,217	18,337	37,865
Fitness and recreational sports centers	<1	10,586	15,269	32,672
Bowling centers	<1	1,436	2,445	4,601
Hotels and motels, including casino hotels	<1	30,221	58,827	93,674
Other accommodations	<1	9,596	13,666	18,317
Full-service restaurants	7	157,833	225,729	406,035
Limited-service restaurants	5	105,019	163,418	384,938
All other food and drinking places	3	98,505	137,070	205,615
Automotive repair and maintenance, except car washes	2	79,226	94,883	146,675
Car washes	<1	39,532	56,972	90,569
Electronic and precision equipment repair and maintenance	<1	33,987	38,388	65,629
Commercial and industrial machinery and equipment repair and maintenance	<1	42,395	46,953	72,549
Personal and household goods repair and maintenance	<1	12,241	24,527	36,599
Personal care services	1	38,791	36,431	49,178
Death care services	<1	8,926	7,443	10,535

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Dry-cleaning and laundry services	<1	21,598	17,216	22,885
Other personal services	<1	25,877	31,927	48,769
Religious organizations	<1	21,061	14,216	43,769
Grantmaking, giving, and social advocacy organizations	<1	35,296	133,174	205,218
Business and professional associations	<1	17,142	32,117	56,531
Labor and civic organizations	<1	9,028	28,815	49,828
Private households	1	14,616	14,616	14,616
Postal service	<1	55,453	55,479	59,150
Federal electric utilities	<1	529	950	4,479
Other federal government enterprises	<1	2,711	2,332	13,262
State government passenger transit	<1	162	52	1,161
State government electric utilities	0	0	0	0
Other state government enterprises	<1	6,554	8,535	19,275
Local government passenger transit	<1	7,339	2,217	13,179
Local government electric utilities	<1	960	3,628	6,402
Other local government enterprises	<1	32,022	81,361	177,406
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	5	721,865	1,047,475	2,396,338

North Dakota

NASA

Table 727: Detailed NASA Impacts by Types of Impact, North Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	35	2,219,672	3,252,177	6,780,859
Oilseed farming	<1	9,004	29,059	56,965
Grain farming	<1	2,675	2,566	21,043
Vegetable and melon farming	<1	561	1,071	2,747
Fruit farming	<1	3	7	13
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	41	61	157
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	274	381	1,033
All other crop farming	<1	313	436	1,197
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	480	1,183	4,925
Dairy cattle and milk production	<1	57	118	833
Poultry and egg production	<1	11	17	256
Animal production, except cattle and poultry and eggs	<1	2,286	6,201	11,326
Forestry, forest products, and timber tract production	<1	65	64	79
Commercial logging	<1	18	20	29
Commercial fishing	<1	180	135	142
Commercial hunting and trapping	<1	92	21	66
Support activities for agriculture and forestry	<1	1,769	1,458	1,784
Oil and gas extraction	<1	9,495	48,026	84,919
Coal mining	<1	6,388	9,329	18,108
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	1	3
Sand and gravel mining	<1	373	768	1,380

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Other clay, ceramic, refractory minerals mining	<1	30	44	86
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	40	73	144
Drilling oil and gas wells	<1	3	8	13
Support activities for oil and gas operations	<1	244	384	663
Metal mining services	<1	47	263	523
Other nonmetallic minerals services	<1	10	54	99
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	5,014	14,193	44,240
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	471	2,881	7,306
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	41	17	76
Electric power transmission and distribution	<1	7,066	19,542	58,956
Natural gas distribution	<1	3,504	7,603	16,688
Water, sewage and other systems	<1	399	678	1,170
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,677	13,386	27,463
Maintenance and repair construction of residential structures	<1	2,562	3,819	7,956
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	6	8	17
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	199	316	2,757
Flour milling	<1	127	237	1,452
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	1	9
Wet corn milling	<1	647	1,626	7,621
Soybean and other oilseed processing	<1	46	240	1,969
Fats and oils refining and blending	<1	32	62	602
Breakfast cereal manufacturing	<1	9	23	66
Beet sugar manufacturing	<1	57	119	444
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	9
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	11	15	59
Frozen fruits, juices and vegetables manufacturing	<1	419	831	2,787
Frozen specialties manufacturing	<1	11	16	125
Canned fruits and vegetables manufacturing	<1	11	23	70
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	11	20	64
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	168	264	1,348
Creamery butter manufacturing	<1	44	196	998
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	55	74	155

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	64	79	805
Meat processed from carcasses	<1	233	223	1,838
Rendering and meat byproduct processing	<1	34	31	194
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	386	541	1,286
Cookie and cracker manufacturing	<1	92	132	403
Dry pasta, mixes, and dough manufacturing	<1	234	513	1,765
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	120	332	1,000
Other snack food manufacturing	<1	57	112	450
Coffee and tea manufacturing	<1	1	2	13
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	3	4	22
All other food manufacturing	<1	10	15	78
Bottled and canned soft drinks & water	<1	277	456	2,307
Manufactured ice	<1	20	12	61
Breweries	<1	52	115	517
Wineries	<1	5	9	75
Distilleries	<1	16	58	151
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	13	18	106
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	49	55	146
Rope, cordage, twine, tire cord and tire fabric mills	<1	3	4	23
Other textile product mills	<1	9	11	32
Hosiery and sock mills	<1	<1	<1	2

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Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	1	2	7
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	1
Womens and girls cut and sew apparel manufacturing	<1	<1	5	17
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	<1	3	8
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	2	4	12
Other leather and allied product manufacturing	0	0	0	0
Sawmills	0	0	0	0
Wood preservation	<1	4	11	52
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	44	66	201
Reconstituted wood product manufacturing	<1	10	23	109
Wood windows and door manufacturing	<1	1,060	1,470	3,784
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	112	180	489
Wood container and pallet manufacturing	<1	67	92	239
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	3	14
All other miscellaneous wood product manufacturing	<1	3	5	15
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	49	129	435
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	39	93	231

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Printing	<1	1,826	1,948	5,168
Support activities for printing	0	0	0	0
Petroleum refineries	<1	2,927	7,809	96,774
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	3	10	22
Other basic organic chemical manufacturing	<1	167	613	2,713
Plastics material and resin manufacturing	<1	16	41	256
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	15	86	295
Medicinal and botanical manufacturing	<1	4	14	33
Pharmaceutical preparation manufacturing	<1	<1	5	11
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	11	47	90
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	19	117	276
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	6	48	109
Printing ink manufacturing	0	0	0	0

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	41	183	537
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	50	84	359
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	81	227	681
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	17	33	108
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	24	39	197
Other plastics product manufacturing	<1	374	552	1,703
Tire manufacturing	<1	176	271	1,281
Rubber and plastics hoses and belting manufacturing	<1	12	18	58
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	6	9	19
Brick, tile, and other structural clay product manufacturing	<1	86	161	340
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	360	662	1,419
Cement manufacturing	<1	41	109	268
Ready-mix concrete manufacturing	<1	634	1,154	3,106
Concrete block and brick manufacturing	<1	14	27	63
Concrete pipe manufacturing	<1	12	21	51
Other concrete product manufacturing	<1	257	378	813
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

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Abrasive product manufacturing	<1	19	59	86
Cut stone and stone product manufacturing	<1	128	156	325
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	79	205	371
Miscellaneous nonmetallic mineral products manufacturing	<1	4	12	22
Iron and steel mills and ferroalloy manufacturing	<1	28	254	573
Iron, steel pipe and tube manufacturing from purchased steel	<1	14	120	235
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	3	31	66
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	4	20	32
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	20	23	97
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	4	5	12
Prefabricated metal buildings and components manufacturing	<1	10	12	54
Fabricated structural metal manufacturing	<1	134	166	604
Plate work manufacturing	<1	146	153	507
Metal window and door manufacturing	<1	139	164	472
Sheet metal work manufacturing	<1	21	25	75

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Ornamental and architectural metal work manufacturing	<1	39	45	167
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	15	17	64
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	2	2	10
Hardware manufacturing	<1	6	8	26
Spring and wire product manufacturing	<1	11	14	47
Machine shops	<1	137	153	359
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	9	12	40
Electroplating, anodizing, and coloring metal	<1	26	27	64
Valve and fittings, other than plumbing, manufacturing	<1	5	6	25
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	5	17
Fabricated pipe and pipe fitting manufacturing	<1	3	3	11
Other fabricated metal manufacturing	<1	22	25	85
Farm machinery and equipment manufacturing	<1	147	362	994
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	41	146	393
Mining machinery and equipment manufacturing	<1	10	23	50
Oil and gas field machinery and equipment manufacturing	<1	26	65	180
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1

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Sawmill, woodworking, and paper machinery	<1	<1	<1	3
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	6	14	35
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	5	14	45
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	2	3	13
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	76	265	1,012
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	<1	<1	<1	1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	1	4
Electronic computer manufacturing	<1	4	6	22
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	4	5	31
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	8	11	37
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	26	30	111
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	2	3	8

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Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	3
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	<1	2	8
Relay and industrial control manufacturing	<1	<1	2	6
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	5	7	50
Other communication and energy wire manufacturing	<1	1	3	17
Wiring device manufacturing	<1	4	10	33
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	2	1	27
Motor vehicle body manufacturing	<1	11	10	59
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	182	176	710
Motor vehicle gasoline engine and engine parts manufacturing	<1	3	2	25
Motor vehicle electrical and electronic equipment manufacturing	<1	576	473	4,210
Motor vehicle transmission and power train parts manufacturing	<1	122	103	917
Motor vehicle seating and interior trim manufacturing	<1	3	3	26
Motor vehicle metal stamping	<1	39	33	207
Other motor vehicle parts manufacturing	<1	7	6	56
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	72	60	553
Aircraft manufacturing	<1	<1	2	9
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	1	2	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	4	13	46
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	44	33	113
Upholstered household furniture manufacturing	0	0	0	0

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Nonupholstered wood household furniture manufacturing	<1	7	6	22
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	6	6	21
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	3
Mattress manufacturing	<1	4	2	23
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	<1	10	12	45
Surgical appliance and supplies manufacturing	<1	4	5	22
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	10	10	19
Jewelry and silverware manufacturing	<1	80	98	344
Sporting and athletic goods manufacturing	<1	3	3	18
Doll, toy, and game manufacturing	<1	24	24	98
Office supplies (except paper) manufacturing	<1	21	23	101
Sign manufacturing	<1	252	206	617
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	5	5	18
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,102	3,678	8,715
Wholesale - Professional and commercial equipment and supplies	<1	3,360	4,941	8,521

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Wholesale - Household appliances and electrical and electronic goods	<1	2,725	4,974	11,606
Wholesale - Machinery, equipment, and supplies	<1	5,458	8,490	14,693
Wholesale - Other durable goods merchant wholesalers	<1	5,553	7,871	16,260
Wholesale - Drugs and druggists' sundries	<1	1,964	4,270	8,275
Wholesale - Grocery and related product wholesalers	<1	5,580	6,815	13,143
Wholesale - Petroleum and petroleum products	<1	2,007	13,733	18,051
Wholesale - Other nondurable goods merchant wholesalers	<1	14,567	22,684	44,380
Wholesale - Wholesale electronic markets and agents and brokers	<1	919	939	1,105
Retail - Motor vehicle and parts dealers	<1	6,509	9,636	14,458
Retail - Furniture and home furnishings stores	<1	2,996	3,607	6,164
Retail - Electronics and appliance stores	<1	3,504	3,154	5,631
Retail - Building material and garden equipment and supplies stores	<1	3,837	6,578	9,877
Retail - Food and beverage stores	<1	7,308	9,674	17,449
Retail - Health and personal care stores	<1	6,107	7,360	11,619
Retail - Gasoline stores	<1	3,761	5,711	11,014
Retail - Clothing and clothing accessories stores	<1	2,761	4,259	10,166
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,989	3,564	6,167
Retail - General merchandise stores	<1	9,837	8,929	17,840
Retail - Miscellaneous store retailers	<1	6,268	6,582	9,792
Retail - Nonstore retailers	<1	4,368	13,866	37,603
Air transportation	<1	1,408	3,621	6,858
Rail transportation	<1	1,470	6,378	8,726
Water transportation	<1	997	910	2,755
Truck transportation	<1	15,910	18,559	31,282
Transit and ground passenger transportation	<1	3,180	3,741	5,115
Pipeline transportation	<1	8,406	13,119	16,427
Scenic and sightseeing transportation and support activities for transportation	<1	15,813	16,971	31,681

Appendix

Couriers and messengers	<1	3,276	4,192	6,968
Warehousing and storage	<1	2,156	2,363	6,611
Newspaper publishers	<1	2,887	4,963	6,455
Periodical publishers	<1	550	889	1,605
Book publishers	<1	228	712	1,384
Directory, mailing list, and other publishers	<1	217	616	1,009
Greeting card publishing	0	0	0	0
Software publishers	<1	7,684	17,797	19,338
Motion picture and video industries	<1	639	1,123	4,693
Sound recording industries	<1	24	119	571
Radio and television broadcasting	<1	8,722	11,224	33,737
Cable and other subscription programming	<1	37	268	1,205
Wired telecommunications carriers	<1	9,187	19,394	31,305
Wireless telecommunications carriers (except satellite)	<1	38	252	475
Satellite, telecommunications resellers, and all other telecommunications	<1	119	157	301
Data processing, hosting, and related services	<1	2,224	4,358	15,174
News syndicates, libraries, archives and all other information services	<1	16	31	197
Internet publishing and broadcasting and web search portals	<1	7	152	2,758
Nondepository credit intermediation and related activities	<1	6,092	7,443	14,250
Securities and commodity contracts intermediation and brokerage	<1	8,850	8,238	21,712
Monetary authorities and depository credit intermediation	<1	43,996	94,224	178,538
Other financial investment activities	<1	2,451	3,289	12,392
Direct life insurance carriers	<1	1,662	3,150	4,407
Insurance carriers, except direct life	<1	10,905	35,111	80,278
Insurance agencies, brokerages, and related activities	<1	14,430	22,819	59,764
Funds, trusts, and other financial vehicles	<1	2,340	3,037	18,460
Other real estate	2	42,900	131,116	347,018
Tenant-occupied housing	<1	3,125	31,563	37,365

Appendix

Owner-occupied dwellings	0	0	101,902	129,361
Automotive equipment rental and leasing	<1	1,502	3,396	4,941
General and consumer goods rental except video tapes and discs	<1	1,990	2,665	4,228
Video tape and disc rental	<1	618	1,009	1,487
Commercial and industrial machinery and equipment rental and leasing	<1	4,811	10,426	12,911
Lessors of nonfinancial intangible assets	<1	192	6,110	6,996
Legal services	<1	32,010	39,807	64,814
Accounting, tax preparation, bookkeeping, and payroll services	<1	8,985	11,103	17,337
Architectural, engineering, and related services	<1	27,750	29,767	51,752
Specialized design services	<1	313	451	743
Custom computer programming services	<1	3,441	3,749	5,548
Computer systems design services	<1	3,098	3,133	4,273
Other computer related services, including facilities management	<1	399	1,563	2,194
Management consulting services	<1	17,839	18,338	30,504
Environmental and other technical consulting services	<1	11,122	11,488	17,347
Scientific research and development services	15	1,052,543	1,396,554	3,047,511
Advertising, public relations, and related services	<1	6,777	8,885	18,676
Photographic services	<1	472	984	1,967
Veterinary services	<1	1,609	1,892	3,048
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	21,521	35,015	64,797
Management of companies and enterprises	<1	56,250	62,261	105,837
Office administrative services	<1	8,394	2,756	8,598
Facilities support services	<1	245	327	804
Employment services	<1	34,572	45,862	67,229
Business support services	<1	5,453	4,431	7,948
Travel arrangement and reservation services	<1	3,141	3,786	10,474
Investigation and security services	<1	2,665	2,554	3,662
Services to buildings	<1	6,367	7,994	15,453
Landscape and horticultural services	<1	4,641	5,356	9,767

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Other support services	<1	2,646	3,136	6,365
Waste management and remediation services	<1	2,788	4,403	8,362
Elementary and secondary schools	<1	2,481	2,056	2,513
Junior colleges, colleges, universities, and professional schools	<1	18,171	23,874	40,450
Other educational services	<1	1,731	1,902	4,407
Offices of physicians	<1	46,381	48,133	62,619
Offices of dentists	<1	8,654	10,615	14,406
Offices of other health practitioners	<1	7,053	9,902	13,303
Outpatient care centers	<1	1,665	1,492	2,823
Medical and diagnostic laboratories	<1	917	1,281	1,901
Home health care services	<1	2,414	2,288	2,863
Other ambulatory health care services	<1	1,977	2,185	4,277
Hospitals	<1	70,998	82,019	167,304
Nursing and community care facilities	<1	11,251	11,968	21,246
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,707	4,901	7,719
Individual and family services	<1	9,867	7,724	11,580
Child day care services	<1	3,681	4,119	6,513
Community food, housing, and other relief services, including rehabilitation services	<1	3,053	2,962	7,162
Performing arts companies	<1	388	596	1,584
Commercial Sports Except Racing	<1	417	165	937
Racing and Track Operation	<1	67	111	329
Independent artists, writers, and performers	<1	556	1,502	3,693
Promoters of performing arts and sports and agents for public figures	<1	1,100	1,833	6,769
Museums, historical sites, zoos, and parks	<1	249	293	638
Amusement parks and arcades	<1	40	57	113
Gambling industries (except casino hotels)	<1	1,229	4,383	7,436
Other amusement and recreation industries	<1	1,298	1,461	3,066
Fitness and recreational sports centers	<1	1,246	1,586	3,432
Bowling centers	<1	215	338	680

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Hotels and motels, including casino hotels	<1	322	872	1,403
Other accommodations	<1	69	107	148
Full-service restaurants	<1	13,879	20,146	37,293
Limited-service restaurants	<1	10,394	16,237	36,785
All other food and drinking places	<1	12,028	18,507	30,389
Automotive repair and maintenance, except car washes	<1	13,508	14,695	21,988
Car washes	<1	6,465	9,422	14,491
Electronic and precision equipment repair and maintenance	<1	1,795	2,083	3,678
Commercial and industrial machinery and equipment repair and maintenance	<1	6,723	6,503	9,583
Personal and household goods repair and maintenance	<1	1,261	2,065	3,122
Personal care services	<1	4,828	4,189	5,628
Death care services	<1	1,154	713	1,060
Dry-cleaning and laundry services	<1	3,559	2,046	2,816
Other personal services	<1	2,067	2,568	3,794
Religious organizations	<1	12,315	6,261	23,394
Grantmaking, giving, and social advocacy organizations	<1	3,133	10,294	18,209
Business and professional associations	<1	2,968	5,198	9,676
Labor and civic organizations	<1	1,479	4,295	8,652
Private households	<1	822	822	822
Postal service	<1	5,553	5,555	5,972
Federal electric utilities	<1	464	861	3,769
Other federal government enterprises	<1	446	-7,626	692
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	7,488	8,790	13,160
Local government passenger transit	<1	294	-316	153
Local government electric utilities	<1	27	65	219
Other local government enterprises	<1	9,001	17,704	42,509
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	168,038	214,619	490,990

Moon to Mars Campaign

Table 728: Detailed M2M Campaign Impacts by Types of Impact, North Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<1	133	209	453
Oilseed farming	<1	<1	2	5
Grain farming	<1	<1	<1	<1
Vegetable and melon farming	<1	<1	<1	<1
Fruit farming	<1	<1	<1	<1
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	<1	<1	<1
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	<1	<1	<1
All other crop farming	<1	<1	<1	<1
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	<1	<1	<1
Dairy cattle and milk production	<1	<1	<1	<1
Poultry and egg production	<1	<1	<1	<1
Animal production, except cattle and poultry and eggs	<1	<1	<1	<1
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	<1	<1	<1	<1
Commercial fishing	<1	<1	<1	<1
Commercial hunting and trapping	<1	<1	<1	<1
Support activities for agriculture and forestry	<1	<1	<1	<1
Oil and gas extraction	<1	<1	2	3

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Coal mining	<1	<1	<1	<1
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	<1	<1
Sand and gravel mining	<1	<1	<1	<1
Other clay, ceramic, refractory minerals mining	<1	<1	<1	<1
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	<1
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	<1	<1	2
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	<1	<1	<1
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	<1	<1	<1
Electric power transmission and distribution	<1	<1	<1	2
Natural gas distribution	<1	<1	<1	<1
Water, sewage and other systems	<1	<1	<1	<1
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	<1	<1	<1
Maintenance and repair construction of residential structures	<1	<1	<1	<1
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	<1	<1	<1
Flour milling	<1	<1	<1	<1
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	<1
Wet corn milling	<1	<1	<1	<1
Soybean and other oilseed processing	<1	<1	<1	<1
Fats and oils refining and blending	<1	<1	<1	<1
Breakfast cereal manufacturing	<1	<1	<1	<1
Beet sugar manufacturing	<1	<1	<1	<1
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	<1
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	<1
Frozen fruits, juices and vegetables manufacturing	<1	<1	<1	<1
Frozen specialties manufacturing	<1	<1	<1	<1
Canned fruits and vegetables manufacturing	<1	<1	<1	<1

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	<1	<1	<1
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	<1	<1	<1
Creamery butter manufacturing	<1	<1	<1	<1
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	<1	<1	<1
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	<1	<1	<1
Meat processed from carcasses	<1	<1	<1	<1
Rendering and meat byproduct processing	<1	<1	<1	<1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	<1	<1	<1
Cookie and cracker manufacturing	<1	<1	<1	<1
Dry pasta, mixes, and dough manufacturing	<1	<1	<1	<1
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	<1	<1	<1
Other snack food manufacturing	<1	<1	<1	<1
Coffee and tea manufacturing	<1	<1	<1	<1
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	<1
All other food manufacturing	<1	<1	<1	<1
Bottled and canned soft drinks & water	<1	<1	<1	<1
Manufactured ice	<1	<1	<1	<1
Breweries	<1	<1	<1	<1
Wineries	<1	<1	<1	<1
Distilleries	<1	<1	<1	<1
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	<1	<1
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

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Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	<1	<1	<1
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	<1
Other textile product mills	<1	<1	<1	<1
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	<1	<1	<1
Other leather and allied product manufacturing	0	0	0	0
Sawmills	0	0	0	0
Wood preservation	<1	<1	<1	<1
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	<1	<1	<1
Reconstituted wood product manufacturing	<1	<1	<1	<1
Wood windows and door manufacturing	<1	<1	<1	<1
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	<1	<1	<1
Wood container and pallet manufacturing	<1	<1	<1	<1
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	<1	<1	<1
All other miscellaneous wood product manufacturing	<1	<1	<1	<1
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	<1	<1	<1
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	<1	<1	<1
Printing	<1	<1	<1	<1
Support activities for printing	0	0	0	0
Petroleum refineries	<1	<1	<1	4
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	<1	<1	<1
Other basic organic chemical manufacturing	<1	<1	<1	<1
Plastics material and resin manufacturing	<1	<1	<1	<1
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	<1	<1	<1
Medicinal and botanical manufacturing	<1	<1	<1	<1
Pharmaceutical preparation manufacturing	<1	<1	<1	<1
In-vitro diagnostic substance manufacturing	0	0	0	0

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Biological product (except diagnostic) manufacturing	<1	<1	<1	<1
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	<1	<1	<1
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	<1	<1
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	<1	<1	<1
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	<1	<1	<1
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	<1	<1	<1
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	<1	<1	<1
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	<1	<1	<1
Other plastics product manufacturing	<1	<1	<1	<1
Tire manufacturing	<1	<1	<1	<1
Rubber and plastics hoses and belting manufacturing	<1	<1	<1	<1
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	<1	<1	<1	<1
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	<1	<1	<1
Cement manufacturing	<1	<1	<1	<1
Ready-mix concrete manufacturing	<1	<1	<1	<1
Concrete block and brick manufacturing	<1	<1	<1	<1
Concrete pipe manufacturing	<1	<1	<1	<1
Other concrete product manufacturing	<1	<1	<1	<1
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	<1	<1	<1
Cut stone and stone product manufacturing	<1	<1	<1	<1
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	<1	<1	<1
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	<1	<1
Iron and steel mills and ferroalloy manufacturing	<1	<1	<1	<1
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	<1
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	<1	<1	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	<1	<1	<1
Iron and steel forging	0	0	0	0

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	<1
Prefabricated metal buildings and components manufacturing	<1	<1	<1	<1
Fabricated structural metal manufacturing	<1	<1	<1	<1
Plate work manufacturing	<1	<1	<1	<1
Metal window and door manufacturing	<1	<1	<1	<1
Sheet metal work manufacturing	<1	<1	<1	<1
Ornamental and architectural metal work manufacturing	<1	<1	<1	<1
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	<1
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	<1	<1	<1
Hardware manufacturing	<1	<1	<1	<1
Spring and wire product manufacturing	<1	<1	<1	<1
Machine shops	<1	<1	<1	<1
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	<1	<1	<1
Electroplating, anodizing, and coloring metal	<1	<1	<1	<1
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	<1	<1
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	<1
Other fabricated metal manufacturing	<1	<1	<1	<1
Farm machinery and equipment manufacturing	<1	<1	<1	<1

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	<1	<1
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	<1
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	<1	<1
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	<1	<1	<1

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Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	<1
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	<1

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	<1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	<1	<1
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	<1

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Relay and industrial control manufacturing	<1	<1	<1	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	<1	<1	<1
Other communication and energy wire manufacturing	<1	<1	<1	<1
Wiring device manufacturing	<1	<1	<1	<1
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	<1	<1	<1
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	<1
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	<1
Motor vehicle transmission and power train parts manufacturing	<1	<1	<1	<1
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	<1
Motor vehicle metal stamping	<1	<1	<1	<1
Other motor vehicle parts manufacturing	<1	<1	<1	<1
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	<1	<1	<1
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	<1
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	<1	<1	<1
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	<1
Mattress manufacturing	<1	<1	<1	<1
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	<1	<1	<1
Surgical appliance and supplies manufacturing	<1	<1	<1	<1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	<1	<1	<1
Jewelry and silverware manufacturing	<1	<1	<1	<1
Sporting and athletic goods manufacturing	<1	<1	<1	<1
Doll, toy, and game manufacturing	<1	<1	<1	<1
Office supplies (except paper) manufacturing	<1	<1	<1	<1
Sign manufacturing	<1	<1	<1	<1
Gasket, packing, and sealing device manufacturing	0	0	0	0

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Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	<1
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	<1	<1	<1
Wholesale - Professional and commercial equipment and supplies	<1	<1	<1	<1
Wholesale - Household appliances and electrical and electronic goods	<1	<1	<1	<1
Wholesale - Machinery, equipment, and supplies	<1	<1	<1	<1
Wholesale - Other durable goods merchant wholesalers	<1	<1	<1	<1
Wholesale - Drugs and druggists' sundries	<1	<1	<1	<1
Wholesale - Grocery and related product wholesalers	<1	<1	<1	<1
Wholesale - Petroleum and petroleum products	<1	<1	<1	<1
Wholesale - Other nondurable goods merchant wholesalers	<1	<1	1	2
Wholesale - Wholesale electronic markets and agents and brokers	<1	<1	<1	<1
Retail - Motor vehicle and parts dealers	<1	<1	<1	<1
Retail - Furniture and home furnishings stores	<1	<1	<1	<1
Retail - Electronics and appliance stores	<1	<1	<1	<1
Retail - Building material and garden equipment and supplies stores	<1	<1	<1	<1
Retail - Food and beverage stores	<1	<1	<1	1
Retail - Health and personal care stores	<1	<1	<1	<1
Retail - Gasoline stores	<1	<1	<1	<1
Retail - Clothing and clothing accessories stores	<1	<1	<1	<1
Retail - Sporting goods, hobby, musical instrument and book stores	<1	<1	<1	<1
Retail - General merchandise stores	<1	<1	<1	1

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Retail - Miscellaneous store retailers	<1	<1	<1	<1
Retail - Nonstore retailers	<1	<1	<1	2
Air transportation	<1	<1	<1	<1
Rail transportation	<1	<1	<1	<1
Water transportation	<1	<1	<1	<1
Truck transportation	<1	<1	<1	2
Transit and ground passenger transportation	<1	<1	<1	<1
Pipeline transportation	<1	<1	<1	<1
Scenic and sightseeing transportation and support activities for transportation	<1	<1	<1	<1
Couriers and messengers	<1	<1	<1	<1
Warehousing and storage	<1	<1	<1	<1
Newspaper publishers	<1	<1	<1	<1
Periodical publishers	<1	<1	<1	<1
Book publishers	<1	<1	<1	<1
Directory, mailing list, and other publishers	<1	<1	<1	<1
Greeting card publishing	0	0	0	0
Software publishers	<1	<1	<1	<1
Motion picture and video industries	<1	<1	<1	<1
Sound recording industries	<1	<1	<1	<1
Radio and television broadcasting	<1	<1	<1	<1
Cable and other subscription programming	<1	<1	<1	<1
Wired telecommunications carriers	<1	<1	<1	1
Wireless telecommunications carriers (except satellite)	<1	<1	<1	<1
Satellite, telecommunications resellers, and all other telecommunications	<1	<1	<1	<1
Data processing, hosting, and related services	<1	<1	<1	<1
News syndicates, libraries, archives and all other information services	<1	<1	<1	<1
Internet publishing and broadcasting and web search portals	<1	<1	<1	<1
Nondepository credit intermediation and related activities	<1	<1	<1	<1
Securities and commodity contracts intermediation and brokerage	<1	<1	<1	1

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Monetary authorities and depository credit intermediation	<1	1	3	5
Other financial investment activities	<1	<1	<1	<1
Direct life insurance carriers	<1	<1	<1	<1
Insurance carriers, except direct life	<1	<1	2	4
Insurance agencies, brokerages, and related activities	<1	<1	1	3
Funds, trusts, and other financial vehicles	<1	<1	<1	1
Other real estate	<1	<1	2	4
Tenant-occupied housing	<1	<1	2	3
Owner-occupied dwellings	0	0	7	9
Automotive equipment rental and leasing	<1	<1	<1	<1
General and consumer goods rental except video tapes and discs	<1	<1	<1	<1
Video tape and disc rental	<1	<1	<1	<1
Commercial and industrial machinery and equipment rental and leasing	<1	<1	<1	<1
Lessors of nonfinancial intangible assets	<1	<1	<1	<1
Legal services	<1	<1	<1	<1
Accounting, tax preparation, bookkeeping, and payroll services	<1	<1	<1	<1
Architectural, engineering, and related services	<1	<1	<1	<1
Specialized design services	<1	<1	<1	<1
Custom computer programming services	<1	<1	<1	<1
Computer systems design services	<1	<1	<1	<1
Other computer related services, including facilities management	<1	<1	<1	<1
Management consulting services	<1	<1	<1	<1
Environmental and other technical consulting services	<1	<1	<1	<1
Scientific research and development services	<1	<1	<1	<1
Advertising, public relations, and related services	<1	<1	<1	<1
Photographic services	<1	<1	<1	<1
Veterinary services	<1	<1	<1	<1
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	<1	<1	<1

Appendix

Management of companies and enterprises	<1	<1	<1	1
Office administrative services	<1	<1	<1	<1
Facilities support services	<1	<1	<1	<1
Employment services	<1	<1	<1	<1
Business support services	<1	<1	<1	<1
Travel arrangement and reservation services	<1	<1	<1	<1
Investigation and security services	<1	<1	<1	<1
Services to buildings	<1	<1	<1	<1
Landscape and horticultural services	<1	<1	<1	<1
Other support services	<1	<1	<1	<1
Waste management and remediation services	<1	<1	<1	<1
Elementary and secondary schools	<1	<1	<1	<1
Junior colleges, colleges, universities, and professional schools	<1	<1	<1	<1
Other educational services	<1	<1	<1	<1
Offices of physicians	<1	3	3	4
Offices of dentists	<1	<1	<1	<1
Offices of other health practitioners	<1	<1	<1	<1
Outpatient care centers	<1	<1	<1	<1
Medical and diagnostic laboratories	<1	<1	<1	<1
Home health care services	<1	<1	<1	<1
Other ambulatory health care services	<1	<1	<1	<1
Hospitals	<1	5	6	12
Nursing and community care facilities	<1	<1	<1	1
Residential mental retardation, mental health, substance abuse and other facilities	<1	<1	<1	<1
Individual and family services	<1	<1	<1	<1
Child day care services	<1	<1	<1	<1
Community food, housing, and other relief services, including rehabilitation services	<1	<1	<1	<1
Performing arts companies	<1	<1	<1	<1
Commercial Sports Except Racing	<1	<1	<1	<1
Racing and Track Operation	<1	<1	<1	<1
Independent artists, writers, and performers	<1	<1	<1	<1

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Promoters of performing arts and sports and agents for public figures	<1	<1	<1	<1
Museums, historical sites, zoos, and parks	<1	<1	<1	<1
Amusement parks and arcades	<1	<1	<1	<1
Gambling industries (except casino hotels)	<1	<1	<1	<1
Other amusement and recreation industries	<1	<1	<1	<1
Fitness and recreational sports centers	<1	<1	<1	<1
Bowling centers	<1	<1	<1	<1
Hotels and motels, including casino hotels	<1	<1	<1	<1
Other accommodations	<1	<1	<1	<1
Full-service restaurants	<1	<1	<1	2
Limited-service restaurants	<1	<1	<1	2
All other food and drinking places	<1	<1	<1	1
Automotive repair and maintenance, except car washes	<1	<1	<1	1
Car washes	<1	<1	<1	<1
Electronic and precision equipment repair and maintenance	<1	<1	<1	<1
Commercial and industrial machinery and equipment repair and maintenance	<1	<1	<1	<1
Personal and household goods repair and maintenance	<1	<1	<1	<1
Personal care services	<1	<1	<1	<1
Death care services	<1	<1	<1	<1
Dry-cleaning and laundry services	<1	<1	<1	<1
Other personal services	<1	<1	<1	<1
Religious organizations	<1	<1	<1	2
Grantmaking, giving, and social advocacy organizations	<1	<1	<1	1
Business and professional associations	<1	<1	<1	<1
Labor and civic organizations	<1	<1	<1	<1
Private households	<1	<1	<1	<1
Postal service	<1	<1	<1	<1
Federal electric utilities	<1	<1	<1	<1
Other federal government enterprises	<1	<1	-1	<1
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	<1	<1	<1
Local government passenger transit	<1	<1	0	<1
Local government electric utilities	<1	<1	<1	<1
Other local government enterprises	<1	<1	<1	1
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	94	142	325

Investments in Climate Change Research and Technology

Table 729: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, North Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	356,985	532,444	1,120,862
Oilseed farming	<1	1,373	3,683	6,799
Grain farming	<1	436	360	3,453
Vegetable and melon farming	<1	84	161	418
Fruit farming	<1	<1	<1	2
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	6	10	26
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	45	65	182
All other crop farming	<1	61	84	239
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	102	268	1,103

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Dairy cattle and milk production	<1	7	16	118
Poultry and egg production	<1	2	3	52
Animal production, except cattle and poultry and eggs	<1	572	1,307	2,296
Forestry, forest products, and timber tract production	<1	11	11	13
Commercial logging	<1	3	4	5
Commercial fishing	<1	26	28	29
Commercial hunting and trapping	<1	15	4	12
Support activities for agriculture and forestry	<1	351	293	357
Oil and gas extraction	<1	2,085	10,281	17,397
Coal mining	<1	1,741	3,215	6,229
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	<1	<1	<1
Sand and gravel mining	<1	67	148	264
Other clay, ceramic, refractory minerals mining	<1	6	10	18
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	6	12	23
Drilling oil and gas wells	<1	<1	2	4
Support activities for oil and gas operations	<1	55	86	143
Metal mining services	<1	13	79	146
Other nonmetallic minerals services	<1	3	13	23
Electric power generation - Hydroelectric	0	0	0	0
Electric power generation - Fossil fuel	<1	790	2,328	7,536
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	113	668	1,791
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	5	2	11
Electric power transmission and distribution	<1	1,232	3,506	10,779
Natural gas distribution	<1	490	1,056	2,382
Water, sewage and other systems	<1	67	115	205
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,488	2,312	4,828
Maintenance and repair construction of residential structures	<1	405	604	1,285
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	1	3
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	39	61	550
Flour milling	<1	23	45	272
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	2
Wet corn milling	<1	110	268	1,287
Soybean and other oilseed processing	<1	7	39	317
Fats and oils refining and blending	<1	4	9	86
Breakfast cereal manufacturing	<1	1	3	8
Beet sugar manufacturing	<1	6	14	52

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Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	1
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	2	2	9
Frozen fruits, juices and vegetables manufacturing	<1	60	118	420
Frozen specialties manufacturing	<1	2	2	19
Canned fruits and vegetables manufacturing	<1	1	3	9
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1	2	8
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	23	37	194
Creamery butter manufacturing	<1	7	33	164
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	8	11	24
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	11	13	138
Meat processed from carcasses	<1	37	35	298
Rendering and meat byproduct processing	<1	6	5	33
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	57	81	194
Cookie and cracker manufacturing	<1	13	19	60
Dry pasta, mixes, and dough manufacturing	<1	32	72	242
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	17	47	147
Other snack food manufacturing	<1	9	19	74
Coffee and tea manufacturing	<1	<1	<1	2
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	3
All other food manufacturing	<1	1	2	11

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Bottled and canned soft drinks & water	<1	47	78	397
Manufactured ice	<1	3	2	10
Breweries	<1	7	16	71
Wineries	<1	<1	1	10
Distilleries	<1	3	9	24
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	3	17
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	8	9	25
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	6
Other textile product mills	<1	1	2	5
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	1
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	<1	<1	3
Other leather and allied product manufacturing	0	0	0	0
Sawmills	0	0	0	0
Wood preservation	<1	<1	2	10
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	9	13	39
Reconstituted wood product manufacturing	<1	2	6	25
Wood windows and door manufacturing	<1	213	296	771

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Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	<1	21	33	91
Wood container and pallet manufacturing	<1	12	16	42
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	<1	<1	2
All other miscellaneous wood product manufacturing	<1	<1	<1	3
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	8	22	73
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	<1	8	20	47
Printing	<1	277	284	809
Support activities for printing	0	0	0	0
Petroleum refineries	<1	584	1,442	17,984
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	<1	2	5
Other basic organic chemical manufacturing	<1	48	174	706
Plastics material and resin manufacturing	<1	4	11	60
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

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Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	3	20	68
Medicinal and botanical manufacturing	<1	<1	2	4
Pharmaceutical preparation manufacturing	<1	<1	<1	1
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	1	6	12
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	3	16	42
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	<1	7	16
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	7	31	92
Other miscellaneous chemical product manufacturing	0	0	0	0
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	8	14	62
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	15	44	127
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	3	6	19
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	<1	4	6	31
Other plastics product manufacturing	<1	60	89	282

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Tire manufacturing	<1	32	50	238
Rubber and plastics hoses and belting manufacturing	<1	2	3	11
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	2	3
Brick, tile, and other structural clay product manufacturing	<1	16	30	60
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	66	123	261
Cement manufacturing	<1	8	22	52
Ready-mix concrete manufacturing	<1	123	228	607
Concrete block and brick manufacturing	<1	2	5	11
Concrete pipe manufacturing	<1	2	4	9
Other concrete product manufacturing	<1	52	79	166
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	3	11	15
Cut stone and stone product manufacturing	<1	24	30	62
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	13	35	63
Miscellaneous nonmetallic mineral products manufacturing	<1	<1	3	4
Iron and steel mills and ferroalloy manufacturing	<1	4	43	88
Iron, steel pipe and tube manufacturing from purchased steel	<1	2	22	40
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

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Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	<1	<1	5	10
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	<1	3	5
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	3	3	14
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	1
Prefabricated metal buildings and components manufacturing	<1	2	2	10
Fabricated structural metal manufacturing	<1	27	33	123
Plate work manufacturing	<1	31	32	106
Metal window and door manufacturing	<1	26	31	91
Sheet metal work manufacturing	<1	4	4	13
Ornamental and architectural metal work manufacturing	<1	7	8	32
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	3	3	11
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	<1	<1	2
Hardware manufacturing	<1	<1	1	4
Spring and wire product manufacturing	<1	1	2	5
Machine shops	<1	19	21	51
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	2	2	7
Electroplating, anodizing, and coloring metal	<1	4	5	11
Valve and fittings, other than plumbing, manufacturing	<1	<1	1	4

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Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	<1	<1	3
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	2
Other fabricated metal manufacturing	<1	3	4	13
Farm machinery and equipment manufacturing	<1	19	49	126
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	10	35	97
Mining machinery and equipment manufacturing	<1	3	6	14
Oil and gas field machinery and equipment manufacturing	<1	9	23	59
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	1	3	7
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	3	8
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

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Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	13	42	184
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

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Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	<1	4
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	1	1	5
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	3	3	13
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	<1	<1
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	1
Relay and industrial control manufacturing	<1	<1	<1	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	<1	<1	8
Other communication and energy wire manufacturing	<1	<1	<1	3
Wiring device manufacturing	<1	<1	1	4
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	0	0	0	0
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	6
Motor vehicle body manufacturing	<1	2	2	11
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	35	35	139
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	4
Motor vehicle electrical and electronic equipment manufacturing	<1	110	100	926
Motor vehicle transmission and power train parts manufacturing	<1	17	15	138
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	7
Motor vehicle metal stamping	<1	8	7	48
Other motor vehicle parts manufacturing	<1	1	1	11

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	12	11	99
Aircraft manufacturing	<1	<1	<1	2
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	<1	2	6
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	8	6	20
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	1	<1	3
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	2	2	6
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	<1
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	1	2	7
Surgical appliance and supplies manufacturing	<1	<1	<1	3
Dental equipment and supplies manufacturing	0	0	0	0

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Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	1	1	3
Jewelry and silverware manufacturing	<1	13	16	57
Sporting and athletic goods manufacturing	<1	<1	<1	3
Doll, toy, and game manufacturing	<1	3	3	14
Office supplies (except paper) manufacturing	<1	3	4	17
Sign manufacturing	<1	51	40	122
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	<1	<1	3
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	352	629	1,480
Wholesale - Professional and commercial equipment and supplies	<1	536	792	1,376
Wholesale - Household appliances and electrical and electronic goods	<1	444	836	1,955
Wholesale - Machinery, equipment, and supplies	<1	982	1,557	2,682
Wholesale - Other durable goods merchant wholesalers	<1	911	1,303	2,697
Wholesale - Drugs and druggists' sundries	<1	314	705	1,367
Wholesale - Grocery and related product wholesalers	<1	887	1,095	2,122
Wholesale - Petroleum and petroleum products	<1	432	2,429	3,235
Wholesale - Other nondurable goods merchant wholesalers	<1	2,323	3,577	7,084
Wholesale - Wholesale electronic markets and agents and brokers	<1	157	160	189
Retail - Motor vehicle and parts dealers	<1	1,105	1,635	2,463
Retail - Furniture and home furnishings stores	<1	487	586	1,013
Retail - Electronics and appliance stores	<1	579	517	934

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Retail - Building material and garden equipment and supplies stores	<1	630	1,085	1,637
Retail - Food and beverage stores	<1	1,145	1,527	2,792
Retail - Health and personal care stores	<1	1,007	1,214	1,927
Retail - Gasoline stores	<1	612	962	1,915
Retail - Clothing and clothing accessories stores	<1	444	692	1,692
Retail - Sporting goods, hobby, musical instrument and book stores	<1	481	576	1,014
Retail - General merchandise stores	<1	1,682	1,522	3,056
Retail - Miscellaneous store retailers	<1	980	1,039	1,587
Retail - Nonstore retailers	<1	673	2,138	5,929
Air transportation	<1	231	573	1,108
Rail transportation	<1	301	1,347	1,806
Water transportation	<1	171	156	482
Truck transportation	<1	2,950	3,497	6,028
Transit and ground passenger transportation	<1	432	496	712
Pipeline transportation	<1	2,008	2,510	3,198
Scenic and sightseeing transportation and support activities for transportation	<1	3,173	3,407	6,343
Couriers and messengers	<1	570	740	1,247
Warehousing and storage	<1	377	414	1,175
Newspaper publishers	<1	535	907	1,188
Periodical publishers	<1	85	136	254
Book publishers	<1	38	119	233
Directory, mailing list, and other publishers	<1	40	109	179
Greeting card publishing	0	0	0	0
Software publishers	<1	1,189	2,716	2,973
Motion picture and video industries	<1	91	155	720
Sound recording industries	<1	4	16	82
Radio and television broadcasting	<1	1,275	1,697	5,984
Cable and other subscription programming	<1	4	36	177
Wired telecommunications carriers	<1	1,520	3,233	5,307
Wireless telecommunications carriers (except satellite)	<1	6	42	82

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Satellite, telecommunications resellers, and all other telecommunications	<1	18	25	50
Data processing, hosting, and related services	<1	341	668	2,548
News syndicates, libraries, archives and all other information services	<1	3	5	33
Internet publishing and broadcasting and web search portals	<1	<1	21	497
Nondepository credit intermediation and related activities	<1	991	1,187	2,352
Securities and commodity contracts intermediation and brokerage	<1	1,401	1,330	3,832
Monetary authorities and depository credit intermediation	<1	8,230	16,449	32,464
Other financial investment activities	<1	336	458	1,888
Direct life insurance carriers	<1	281	525	763
Insurance carriers, except direct life	<1	1,861	5,817	13,859
Insurance agencies, brokerages, and related activities	<1	2,501	3,972	10,525
Funds, trusts, and other financial vehicles	<1	381	491	3,054
Other real estate	<1	7,167	21,815	60,325
Tenant-occupied housing	<1	491	4,674	5,630
Owner-occupied dwellings	0	0	15,524	19,707
Automotive equipment rental and leasing	<1	218	554	825
General and consumer goods rental except video tapes and discs	<1	302	424	691
Video tape and disc rental	<1	99	164	242
Commercial and industrial machinery and equipment rental and leasing	<1	771	1,871	2,354
Lessors of nonfinancial intangible assets	<1	36	1,073	1,226
Legal services	<1	6,032	7,418	12,190
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,561	1,886	2,999
Architectural, engineering, and related services	<1	5,177	5,451	9,628
Specialized design services	<1	49	67	116
Custom computer programming services	<1	558	611	927

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Computer systems design services	<1	538	541	747
Other computer related services, including facilities management	<1	63	248	355
Management consulting services	<1	3,237	3,327	5,622
Environmental and other technical consulting services	<1	1,989	2,056	3,140
Scientific research and development services	3	189,087	257,785	565,441
Advertising, public relations, and related services	<1	1,156	1,490	3,240
Photographic services	<1	82	161	339
Veterinary services	<1	259	298	489
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	4,030	6,418	12,582
Management of companies and enterprises	<1	9,701	10,741	18,661
Office administrative services	<1	1,382	455	1,462
Facilities support services	<1	45	61	154
Employment services	<1	6,425	8,480	12,826
Business support services	<1	1,011	817	1,520
Travel arrangement and reservation services	<1	532	643	1,813
Investigation and security services	<1	474	453	666
Services to buildings	<1	1,130	1,418	2,821
Landscape and horticultural services	<1	729	842	1,564
Other support services	<1	415	493	1,035
Waste management and remediation services	<1	481	760	1,459
Elementary and secondary schools	<1	362	303	373
Junior colleges, colleges, universities, and professional schools	<1	323	426	733
Other educational services	<1	255	279	655
Offices of physicians	<1	7,595	7,855	10,265
Offices of dentists	<1	1,381	1,675	2,287
Offices of other health practitioners	<1	1,157	1,595	2,151
Outpatient care centers	<1	253	225	429
Medical and diagnostic laboratories	<1	147	202	304
Home health care services	<1	402	380	480
Other ambulatory health care services	<1	316	347	684

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Hospitals	<1	10,585	12,255	25,272
Nursing and community care facilities	<1	1,728	1,837	3,327
Residential mental retardation, mental health, substance abuse and other facilities	<1	678	705	1,126
Individual and family services	<1	1,396	1,077	1,638
Child day care services	<1	567	614	996
Community food, housing, and other relief services, including rehabilitation services	<1	429	415	1,024
Performing arts companies	<1	55	87	242
Commercial Sports Except Racing	<1	66	27	156
Racing and Track Operation	<1	10	17	54
Independent artists, writers, and performers	<1	80	236	587
Promoters of performing arts and sports and agents for public figures	<1	157	271	1,041
Museums, historical sites, zoos, and parks	<1	36	43	95
Amusement parks and arcades	<1	6	9	18
Gambling industries (except casino hotels)	<1	181	630	1,099
Other amusement and recreation industries	<1	196	222	482
Fitness and recreational sports centers	<1	180	231	517
Bowling centers	<1	33	52	107
Hotels and motels, including casino hotels	<1	48	133	216
Other accommodations	<1	9	15	20
Full-service restaurants	<1	2,286	3,279	6,211
Limited-service restaurants	<1	1,678	2,591	6,058
All other food and drinking places	<1	1,966	3,020	5,039
Automotive repair and maintenance, except car washes	<1	2,156	2,434	3,647
Car washes	<1	1,030	1,508	2,334
Electronic and precision equipment repair and maintenance	<1	310	356	645
Commercial and industrial machinery and equipment repair and maintenance	<1	1,139	1,101	1,660
Personal and household goods repair and maintenance	<1	208	353	538
Personal care services	<1	726	648	873
Death care services	<1	172	120	174

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Dry-cleaning and laundry services	<1	559	363	488
Other personal services	<1	334	419	625
Religious organizations	<1	1,796	1,041	3,594
Grantmaking, giving, and social advocacy organizations	<1	419	1,445	2,547
Business and professional associations	<1	479	865	1,616
Labor and civic organizations	<1	209	633	1,260
Private households	<1	126	126	126
Postal service	<1	953	954	1,026
Federal electric utilities	<1	165	292	1,309
Other federal government enterprises	<1	85	-1,270	116
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,945	2,422	3,752
Local government passenger transit	<1	49	-42	35
Local government electric utilities	<1	4	11	39
Other local government enterprises	<1	1,482	3,120	7,478
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Appendix

Ohio

NASA

Table 730: Detailed NASA Impacts by Types of Impact, Ohio

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>10,907</i>	<i>834,878,777</i>	<i>1,254,647,322</i>	<i>2,461,123,085</i>
Oilseed farming	17	718,518	2,746,504	6,529,342
Grain farming	27	560,569	222,191	4,030,088
Vegetable and melon farming	3	61,363	95,894	202,817
Fruit farming	1	20,727	33,539	55,763
Tree nut farming	<1	505	848	1,359
Greenhouse, nursery, and floriculture production	7	193,541	246,946	447,622
Tobacco farming	<1	722	683	1,225
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	15	70,332	83,606	167,344
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	18	88,223	226,193	1,026,202
Dairy cattle and milk production	4	69,629	135,765	891,794
Poultry and egg production	3	73,102	110,075	996,889
Animal production, except cattle and poultry and eggs	36	488,073	1,187,990	2,305,789
Forestry, forest products, and timber tract production	<1	34,459	35,784	42,004
Commercial logging	2	349,888	325,563	398,369
Commercial fishing	<1	7,051	10,844	11,534
Commercial hunting and trapping	<1	5,965	-42,975	10,087
Support activities for agriculture and forestry	13	426,030	255,636	366,553
Oil and gas extraction	13	412,046	8,982,018	12,351,684
Coal mining	<1	325,517	270,956	430,930
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	3	374,933	302,104	780,718
Sand and gravel mining	2	281,364	286,369	509,097

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Other clay, ceramic, refractory minerals mining	<1	4,705	4,052	8,836
Potash, soda, and borate mineral mining	<1	4,847	4,872	7,196
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	46,758	46,470	75,001
Other nonmetallic minerals	<1	436	411	1,032
Drilling oil and gas wells	<1	68	434	718
Support activities for oil and gas operations	<1	9,325	24,863	41,788
Metal mining services	<1	3,117	70,191	115,405
Other nonmetallic minerals services	<1	2,010	16,814	27,807
Electric power generation - Hydroelectric	<1	4,757	20,873	48,894
Electric power generation - Fossil fuel	6	815,246	3,642,892	8,443,392
Electric power generation - Nuclear	3	650,767	1,621,383	3,212,079
Electric power generation - Solar	<1	23,264	93,438	168,059
Electric power generation - Wind	<1	7,956	86,467	161,801
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	5,150	27,454	67,944
Electric power generation - All other	<1	9,727	8,368	26,992
Electric power transmission and distribution	14	1,910,572	8,008,441	18,771,304
Natural gas distribution	6	808,320	2,575,907	5,251,801
Water, sewage and other systems	8	740,747	1,650,039	2,886,764
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	345	24,669,620	27,241,156	56,048,740
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	31	2,002,091	2,791,338	6,437,042
Maintenance and repair construction of residential structures	17	1,025,942	1,435,126	3,295,962
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,022	2,851	6,514
Dog and cat food manufacturing	<1	87,540	347,768	998,502
Other animal food manufacturing	2	135,210	291,207	1,902,883
Flour milling	<1	48,468	113,778	638,039
Rice milling	0	0	0	0
Malt manufacturing	<1	5,305	11,889	63,919
Wet corn milling	<1	84,547	298,819	1,177,892
Soybean and other oilseed processing	<1	45,001	334,625	2,169,451
Fats and oils refining and blending	<1	13,444	34,086	258,315
Breakfast cereal manufacturing	1	159,547	488,541	1,286,056
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	5,020	17,212	86,366
Nonchocolate confectionery manufacturing	<1	36,059	66,413	301,977
Chocolate and confectionery manufacturing from cacao beans	<1	4,049	7,061	19,197
Confectionery manufacturing from purchased chocolate	1	38,002	62,817	325,337
Frozen fruits, juices and vegetables manufacturing	<1	10,153	24,506	81,952
Frozen specialties manufacturing	4	246,630	390,174	1,398,204
Canned fruits and vegetables manufacturing	2	187,741	455,941	1,217,708
Canned specialties	2	148,353	461,457	1,610,579
Dehydrated food products manufacturing	<1	1,563	3,359	11,242
Cheese manufacturing	1	84,715	151,056	1,319,338
Dry, condensed, and evaporated dairy product manufacturing	2	242,751	713,741	2,435,494
Fluid milk manufacturing	2	126,003	245,397	1,327,162
Creamery butter manufacturing	<1	9,407	57,803	290,136
Ice cream and frozen dessert manufacturing	<1	47,361	76,077	277,046
Frozen cakes and other pastries manufacturing	4	126,721	200,063	366,077

Appendix

Poultry processing	3	163,383	229,648	1,022,356
Animal, except poultry, slaughtering	2	83,471	125,263	1,014,499
Meat processed from carcasses	8	531,884	565,350	3,938,257
Rendering and meat byproduct processing	<1	14,977	16,937	81,437
Seafood product preparation and packaging	<1	3,593	5,382	23,878
Bread and bakery product, except frozen, manufacturing	9	331,932	528,602	1,329,334
Cookie and cracker manufacturing	3	215,125	365,352	1,160,036
Dry pasta, mixes, and dough manufacturing	<1	56,395	156,053	510,247
Tortilla manufacturing	<1	1,498	2,171	10,350
Roasted nuts and peanut butter manufacturing	1	68,057	214,799	613,279
Other snack food manufacturing	2	118,111	333,903	1,156,749
Coffee and tea manufacturing	<1	6,242	14,347	66,428
Flavoring syrup and concentrate manufacturing	<1	33,330	341,793	661,268
Mayonnaise, dressing, and sauce manufacturing	<1	37,199	86,702	306,459
Spice and extract manufacturing	<1	66,481	132,620	507,691
All other food manufacturing	2	114,850	199,641	922,994
Bottled and canned soft drinks & water	4	256,406	525,356	2,151,130
Manufactured ice	<1	17,640	12,937	50,275
Breweries	3	228,368	783,311	1,635,595
Wineries	2	47,987	128,512	536,545
Distilleries	<1	20,898	305,103	480,630
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	536	762	3,328
Broadwoven fabric mills	<1	9,769	14,346	48,281
Narrow fabric mills and schiffli machine embroidery	<1	9,166	9,890	27,340
Nonwoven fabric mills	<1	47,137	73,255	304,490
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	21,605	25,914	68,608
Fabric coating mills	<1	23,013	28,166	108,447
Carpet and rug mills	<1	19,043	28,777	107,381
Curtain and linen mills	<1	21,745	26,753	83,306
Textile bag and canvas mills	<1	26,956	31,051	86,436
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,297	1,795	5,410
Other textile product mills	<1	19,080	22,376	71,956
Hosiery and sock mills	<1	2,122	3,144	6,941

Appendix

Other apparel knitting mills	<1	1,503	2,468	5,485
Cut and sew apparel contractors	<1	4,460	5,444	11,894
Mens and boys cut and sew apparel manufacturing	1	32,605	39,586	99,808
Womens and girls cut and sew apparel manufacturing	<1	1,602	2,743	10,761
Other cut and sew apparel manufacturing	<1	6,201	9,001	28,300
Apparel accessories and other apparel manufacturing	<1	3,556	5,260	13,176
Leather and hide tanning and finishing	<1	1,814	3,051	10,697
Footwear manufacturing	<1	2,119	2,386	6,439
Other leather and allied product manufacturing	<1	9,993	10,737	26,375
Sawmills	3	193,510	226,783	954,563
Wood preservation	<1	23,250	35,190	172,653
Veneer and plywood manufacturing	1	79,027	90,827	344,767
Engineered wood member and truss manufacturing	1	77,740	90,627	294,422
Reconstituted wood product manufacturing	<1	30,792	44,261	213,736
Wood windows and door manufacturing	3	239,820	268,778	750,958
Cut stock, resawing lumber, and planing	<1	60,357	72,547	223,804
Other millwork, including flooring	2	144,508	170,717	514,359
Wood container and pallet manufacturing	2	141,473	156,003	429,353
Manufactured home (mobile home) manufacturing	0	-6,502	-6,982	-18,102
Prefabricated wood building manufacturing	1	94,617	104,747	296,256
All other miscellaneous wood product manufacturing	1	55,101	62,425	208,935
Pulp mills	<1	2,917	3,923	29,211
Paper mills	2	226,232	372,851	1,612,798
Paperboard mills	<1	63,120	114,603	540,643
Paperboard container manufacturing	6	474,118	633,337	2,983,535
Paper bag and coated and treated paper manufacturing	5	501,983	743,949	2,444,595
Stationery product manufacturing	<1	36,768	49,433	232,072
Sanitary paper product manufacturing	1	106,399	223,819	923,508
All other converted paper product manufacturing	1	67,116	87,693	325,578

Appendix

Printing	27	1,577,199	2,664,949	5,110,352
Support activities for printing	1	81,232	126,111	183,675
Petroleum refineries	2	797,791	5,389,054	17,685,441
Asphalt paving mixture and block manufacturing	<1	100,189	155,318	479,177
Asphalt shingle and coating materials manufacturing	<1	61,490	209,592	406,971
Petroleum lubricating oil and grease manufacturing	5	1,327,867	3,913,305	7,562,598
All other petroleum and coal products manufacturing	<1	59,775	234,961	468,852
Petrochemical manufacturing	<1	56,620	502,128	2,214,217
Industrial gas manufacturing	2	351,012	769,540	2,250,162
Synthetic dye and pigment manufacturing	<1	103,543	217,752	657,948
Other basic inorganic chemical manufacturing	<1	102,960	241,801	829,171
Other basic organic chemical manufacturing	3	389,429	833,611	4,915,422
Plastics material and resin manufacturing	2	311,343	546,753	3,229,878
Synthetic rubber manufacturing	<1	36,300	58,835	316,800
Artificial and synthetic fibers and filaments manufacturing	<1	4,849	7,423	34,580
Nitrogenous fertilizer manufacturing	<1	169,119	433,124	1,060,507
Phosphatic fertilizer manufacturing	<1	2,105	4,841	19,711
Fertilizer mixing	<1	16,236	34,046	102,100
Pesticide and other agricultural chemical manufacturing	<1	1,192	3,836	18,287
Medicinal and botanical manufacturing	<1	2,779	4,792	15,130
Pharmaceutical preparation manufacturing	3	352,126	1,304,115	3,854,075
In-vitro diagnostic substance manufacturing	<1	10,867	16,647	49,388
Biological product (except diagnostic) manufacturing	<1	984	2,154	5,575
Paint and coating manufacturing	2	263,022	537,356	1,828,901
Adhesive manufacturing	1	127,503	217,180	778,701
Soap and other detergent manufacturing	3	1,073,555	3,467,495	6,070,465
Polish and other sanitation good manufacturing	1	97,627	156,787	476,261
Surface active agent manufacturing	<1	5,665	19,896	56,404
Toilet preparation manufacturing	2	199,690	692,006	1,818,656
Printing ink manufacturing	<1	51,413	57,260	235,693

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Explosives manufacturing	<1	1,780	2,095	7,084
Custom compounding of purchased resins	2	236,484	465,551	1,439,042
Photographic film and chemical manufacturing	<1	40,247	95,252	300,856
Other miscellaneous chemical product manufacturing	3	357,853	628,143	2,259,449
Plastics packaging materials and unlaminated film and sheet manufacturing	3	243,794	394,496	1,439,107
Unlaminated plastics profile shape manufacturing	1	76,102	161,721	526,711
Plastics pipe and pipe fitting manufacturing	3	203,838	531,141	1,784,342
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	59,919	108,286	311,504
Polystyrene foam product manufacturing	1	83,596	138,558	449,633
Urethane and other foam product (except polystyrene) manufacturing	1	60,472	96,281	377,231
Plastics bottle manufacturing	2	119,538	189,408	854,415
Other plastics product manufacturing	16	859,170	1,239,009	4,342,716
Tire manufacturing	3	276,256	411,660	1,504,237
Rubber and plastics hoses and belting manufacturing	1	73,528	107,785	298,551
Other rubber product manufacturing	4	256,433	359,205	1,290,546
Pottery, ceramics, and plumbing fixture manufacturing	1	56,881	78,736	189,737
Brick, tile, and other structural clay product manufacturing	2	117,556	188,707	438,823
Flat glass manufacturing	<1	22,064	41,497	102,530
Other pressed and blown glass and glassware manufacturing	2	118,676	192,937	458,838
Glass container manufacturing	<1	17,881	27,306	70,046
Glass product manufacturing made of purchased glass	2	110,348	176,970	449,983
Cement manufacturing	<1	59,441	128,165	345,550
Ready-mix concrete manufacturing	5	333,468	530,069	1,754,047
Concrete block and brick manufacturing	3	178,500	300,336	794,399
Concrete pipe manufacturing	<1	23,342	36,339	102,281
Other concrete product manufacturing	6	364,519	485,198	1,191,591
Lime manufacturing	<1	13,715	29,491	78,777
Gypsum product manufacturing	<1	36,167	85,901	248,486

Appendix

Abrasive product manufacturing	<1	65,117	156,372	264,294
Cut stone and stone product manufacturing	1	56,998	66,620	151,581
Ground or treated mineral and earth manufacturing	<1	5,704	13,611	35,267
Mineral wool manufacturing	<1	96,429	200,202	400,851
Miscellaneous nonmetallic mineral products manufacturing	2	134,785	329,982	705,486
Iron and steel mills and ferroalloy manufacturing	3	336,674	669,671	3,505,353
Iron, steel pipe and tube manufacturing from purchased steel	<1	77,296	141,038	578,075
Rolled steel shape manufacturing	1	121,198	278,726	1,116,982
Steel wire drawing	<1	30,077	46,016	225,642
Alumina refining and primary aluminum production	<1	13,677	23,351	254,152
Secondary smelting and alloying of aluminum	<1	9,440	18,228	153,271
Aluminum sheet, plate, and foil manufacturing	<1	58,733	126,081	514,715
Other aluminum rolling, drawing and extruding	<1	45,667	68,504	347,605
Nonferrous metal (exc aluminum) smelting and refining	<1	7,998	39,498	125,107
Copper rolling, drawing, extruding and alloying	2	187,309	299,029	1,962,503
Nonferrous metal, except copper and aluminum, shaping	<1	38,480	48,571	161,810
Secondary processing of other nonferrous metals	<1	3,854	7,551	39,012
Ferrous metal foundries	2	140,912	220,538	514,988
Nonferrous metal foundries	3	201,940	304,998	801,016
Custom roll forming	<1	9,680	17,209	96,821
Crown and closure manufacturing and metal stamping	2	137,874	178,091	495,913
Iron and steel forging	1	82,600	139,239	439,777
Nonferrous forging	<1	34,327	51,077	128,047
Cutlery, utensil, pot, and pan manufacturing	<1	63,796	178,498	450,315
Handtool manufacturing	2	130,994	220,979	449,350
Prefabricated metal buildings and components manufacturing	3	220,412	318,878	1,023,646
Fabricated structural metal manufacturing	3	206,967	315,204	1,013,882
Plate work manufacturing	<1	55,199	61,208	188,266
Metal window and door manufacturing	4	247,242	343,892	849,480
Sheet metal work manufacturing	2	118,762	161,219	427,894

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Ornamental and architectural metal work manufacturing	2	137,827	182,677	462,957
Power boiler and heat exchanger manufacturing	<1	7,955	11,863	28,065
Metal tank (heavy gauge) manufacturing	2	164,219	212,887	576,165
Metal cans manufacturing	<1	68,764	162,996	702,279
Metal barrels, drums and pails manufacturing	<1	25,875	32,849	133,740
Hardware manufacturing	<1	42,142	68,589	216,171
Spring and wire product manufacturing	<1	57,641	81,248	242,617
Machine shops	6	434,213	542,423	1,106,086
Turned product and screw, nut, and bolt manufacturing	2	158,135	240,376	652,682
Metal heat treating	1	69,840	104,937	273,159
Metal coating and nonprecious engraving	2	128,031	234,728	540,527
Electroplating, anodizing, and coloring metal	3	165,399	191,179	427,691
Valve and fittings, other than plumbing, manufacturing	4	367,457	607,144	1,573,764
Plumbing fixture fitting and trim manufacturing	1	112,069	325,212	751,800
Ball and roller bearing manufacturing	<1	94,836	178,641	364,043
Small arms ammunition manufacturing	<1	37,610	83,094	203,817
Ammunition, except for small arms, manufacturing	<1	2,249	2,780	5,610
Small arms, ordnance, and accessories manufacturing	<1	33,186	65,158	140,367
Fabricated pipe and pipe fitting manufacturing	<1	59,394	75,605	215,998
Other fabricated metal manufacturing	10	661,812	887,035	2,323,219
Farm machinery and equipment manufacturing	<1	8,531	13,929	47,129
Lawn and garden equipment manufacturing	<1	17,482	30,144	150,547
Construction machinery manufacturing	<1	14,646	31,253	105,559
Mining machinery and equipment manufacturing	<1	1,243	1,907	5,538
Oil and gas field machinery and equipment manufacturing	<1	1,720	2,741	9,039
Semiconductor machinery manufacturing	<1	488	564	1,586
Food product machinery manufacturing	<1	2,537	2,914	8,681

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Sawmill, woodworking, and paper machinery	<1	4,646	5,250	17,724
Printing machinery and equipment manufacturing	<1	5,447	6,046	17,658
All other industrial machinery manufacturing	2	135,412	175,513	462,348
Optical instrument and lens manufacturing	<1	5,333	8,043	19,491
Photographic and photocopying equipment manufacturing	<1	113	150	606
Other commercial service industry machinery manufacturing	<1	54,699	88,826	283,489
Air purification and ventilation equipment manufacturing	<1	21,425	28,882	76,565
Heating equipment (except warm air furnaces) manufacturing	<1	48,310	70,901	208,617
Air conditioning, refrigeration, and warm air heating equipment manufacturing	1	133,595	231,336	617,431
Industrial mold manufacturing	<1	20,215	23,289	48,389
Special tool, die, jig, and fixture manufacturing	<1	42,425	54,085	101,062
Cutting tool and machine tool accessory manufacturing	<1	18,748	21,048	50,830
Machine tool manufacturing	<1	10,703	13,277	37,935
Rolling mill and other metalworking machinery manufacturing	<1	4,831	5,697	13,085
Turbine and turbine generator set units manufacturing	<1	909	1,156	3,495
Speed changer, industrial high-speed drive, and gear manufacturing	<1	40,407	58,700	165,820
Mechanical power transmission equipment manufacturing	<1	21,971	33,736	83,920
Other engine equipment manufacturing	3	295,247	600,855	2,788,014
Pump and pumping equipment manufacturing	<1	24,229	41,518	122,237
Air and gas compressor manufacturing	<1	82,935	154,966	458,323
Elevator and moving stairway manufacturing	<1	1,219	1,688	5,497
Conveyor and conveying equipment manufacturing	<1	12,812	14,399	41,081
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,072	3,138	11,687
Industrial truck, trailer, and stacker manufacturing	<1	30,850	48,149	149,587

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Power-driven handtool manufacturing	<1	3,602	8,679	23,415
Welding and soldering equipment manufacturing	<1	39,298	54,690	142,903
Packaging machinery manufacturing	<1	8,360	11,385	29,287
Industrial process furnace and oven manufacturing	<1	6,528	7,569	17,640
Fluid power cylinder and actuator manufacturing	<1	35,992	49,597	138,128
Fluid power pump and motor manufacturing	<1	11,141	17,069	55,954
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	14,556	17,594	46,361
Electronic computer manufacturing	<1	15,973	23,853	128,526
Computer storage device manufacturing	<1	268	499	4,761
Computer terminals and other computer peripheral equipment manufacturing	1	149,315	212,077	629,008
Telephone apparatus manufacturing	<1	1,373	1,740	6,267
Broadcast and wireless communications equipment manufacturing	<1	2,675	3,383	11,074
Other communications equipment manufacturing	<1	18,724	24,228	79,295
Audio and video equipment manufacturing	<1	1,049	1,451	7,052
Printed circuit assembly (electronic assembly) manufacturing	2	125,006	166,756	949,045
Bare printed circuit board manufacturing	<1	5,264	6,130	21,138
Semiconductor and related device manufacturing	2	173,229	230,487	930,992
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8,374	10,358	29,759
Electronic connector manufacturing	<1	24,926	31,639	116,221
Other electronic component manufacturing	1	73,814	87,534	300,761
Electromedical and electrotherapeutic apparatus manufacturing	<1	5,540	7,852	22,441
Search, detection, and navigation instruments manufacturing	2	279,981	364,169	819,637
Automatic environmental control manufacturing	2	143,766	171,187	445,319

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Industrial process variable instruments manufacturing	<1	21,660	27,902	72,623
Totalizing fluid meter and counting device manufacturing	<1	3,634	5,581	15,663
Electricity and signal testing instruments manufacturing	<1	12,859	16,995	84,455
Analytical laboratory instrument manufacturing	4	315,748	431,790	1,465,691
Irradiation apparatus manufacturing	<1	595	856	2,680
Watch, clock, and other measuring and controlling device manufacturing	<1	6,982	9,618	29,416
Blank magnetic and optical recording media manufacturing	<1	7,299	13,306	57,021
Software and other prerecorded and record reproducing	<1	17,040	20,821	52,728
Electric lamp bulb and part manufacturing	<1	74,158	174,914	385,285
Lighting fixture manufacturing	<1	86,072	142,484	344,155
Small electrical appliance manufacturing	<1	50,190	133,138	423,797
Household cooking appliance manufacturing	2	125,164	336,645	915,580
Household refrigerator and home freezer manufacturing	2	137,042	385,724	1,006,092
Household laundry equipment manufacturing	4	319,989	656,368	2,304,989
Other major household appliance manufacturing	<1	61,508	184,756	449,778
Power, distribution, and specialty transformer manufacturing	<1	4,034	6,834	17,431
Motor and generator manufacturing	<1	48,314	96,162	247,698
Switchgear and switchboard apparatus manufacturing	<1	35,105	69,234	184,834
Relay and industrial control manufacturing	1	141,147	212,974	459,375
Storage battery manufacturing	<1	86,408	137,171	341,304
Primary battery manufacturing	<1	74,584	144,453	313,209
Fiber optic cable manufacturing	<1	15,185	19,884	76,288
Other communication and energy wire manufacturing	<1	11,186	19,406	66,036
Wiring device manufacturing	1	106,655	238,933	584,427
Carbon and graphite product manufacturing	1	161,664	316,350	767,285
All other miscellaneous electrical equipment and component manufacturing	<1	31,885	38,247	113,291
Automobile manufacturing	1	181,963	383,381	1,902,906

Appendix

Light truck and utility vehicle manufacturing	1	103,489	131,919	2,026,464
Heavy duty truck manufacturing	<1	23,746	39,998	256,720
Motor vehicle body manufacturing	<1	8,507	9,911	43,379
Truck trailer manufacturing	<1	403	430	2,033
Motor home manufacturing	1	118,503	142,394	592,244
Travel trailer and camper manufacturing	2	127,495	134,706	501,903
Motor vehicle gasoline engine and engine parts manufacturing	5	539,458	659,003	3,385,867
Motor vehicle electrical and electronic equipment manufacturing	3	210,388	228,920	1,335,955
Motor vehicle transmission and power train parts manufacturing	10	1,283,336	1,640,064	6,557,676
Motor vehicle seating and interior trim manufacturing	<1	57,361	60,741	378,577
Motor vehicle metal stamping	5	448,953	492,932	1,989,319
Other motor vehicle parts manufacturing	7	540,698	606,945	3,390,181
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	3	228,089	298,664	1,455,129
Aircraft manufacturing	<1	12	35	164
Aircraft engine and engine parts manufacturing	<1	114,848	335,065	571,287
Other aircraft parts and auxiliary equipment manufacturing	3	327,619	561,350	1,193,962
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	20	35	71
Railroad rolling stock manufacturing	<1	297	397	2,177
Ship building and repairing	<1	751	1,028	2,650
Boat building	<1	7,443	11,345	49,320
Motorcycle, bicycle, and parts manufacturing	<1	18,117	78,457	162,062
Military armored vehicle, tank, and tank component manufacturing	<1	39,489	104,669	265,640
All other transportation equipment manufacturing	<1	5,367	12,228	49,383
Wood kitchen cabinet and countertop manufacturing	3	144,715	170,722	409,365
Upholstered household furniture manufacturing	<1	21,267	23,314	80,716

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Nonupholstered wood household furniture manufacturing	2	92,767	101,670	282,292
Other household nonupholstered furniture manufacturing	<1	18,559	24,835	88,869
Institutional furniture manufacturing	<1	6,787	7,206	19,005
Wood office furniture manufacturing	<1	3,029	3,609	10,048
Custom architectural woodwork and millwork	<1	5,485	5,085	14,166
Office furniture, except wood, manufacturing	<1	15,457	20,902	69,629
Showcase, partition, shelving, and locker manufacturing	<1	18,667	22,844	63,458
Mattress manufacturing	<1	21,714	31,020	120,574
Blind and shade manufacturing	<1	1,549	1,610	5,541
Surgical and medical instrument manufacturing	<1	43,705	57,433	141,932
Surgical appliance and supplies manufacturing	2	156,777	214,325	581,658
Dental equipment and supplies manufacturing	<1	15,316	18,877	46,655
Ophthalmic goods manufacturing	<1	39,791	53,272	117,787
Dental laboratories	<1	46,347	47,262	79,407
Jewelry and silverware manufacturing	<1	51,717	73,592	184,092
Sporting and athletic goods manufacturing	<1	59,250	69,040	212,983
Doll, toy, and game manufacturing	<1	39,248	46,217	160,218
Office supplies (except paper) manufacturing	<1	18,724	22,181	69,017
Sign manufacturing	1	106,567	92,329	203,992
Gasket, packing, and sealing device manufacturing	<1	48,111	52,679	130,308
Musical instrument manufacturing	<1	19,682	20,040	46,090
Fasteners, buttons, needles, and pins manufacturing	<1	10,348	11,565	25,044
Broom, brush, and mop manufacturing	<1	47,494	51,385	173,760
Burial casket manufacturing	<1	10,987	12,267	24,575
All other miscellaneous manufacturing	1	99,082	116,778	304,003
Wholesale - Motor vehicle and motor vehicle parts and supplies	7	470,256	967,167	2,280,851
Wholesale - Professional and commercial equipment and supplies	27	2,984,064	4,525,270	7,918,241

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Wholesale - Household appliances and electrical and electronic goods	13	1,259,448	2,725,120	6,033,580
Wholesale - Machinery, equipment, and supplies	17	1,470,992	2,594,404	4,530,983
Wholesale - Other durable goods merchant wholesalers	37	2,903,718	4,723,402	9,188,431
Wholesale - Drugs and druggists' sundries	12	1,721,757	4,505,704	8,786,425
Wholesale - Grocery and related product wholesalers	26	2,005,122	2,643,142	5,108,454
Wholesale - Petroleum and petroleum products	4	359,787	4,812,654	5,588,674
Wholesale - Other nondurable goods merchant wholesalers	40	3,632,762	7,112,643	12,583,435
Wholesale - Wholesale electronic markets and agents and brokers	21	2,213,213	2,288,715	2,683,474
Retail - Motor vehicle and parts dealers	38	2,119,698	3,436,665	5,051,241
Retail - Furniture and home furnishings stores	26	1,067,665	1,437,301	2,353,070
Retail - Electronics and appliance stores	26	1,377,953	1,332,410	2,272,196
Retail - Building material and garden equipment and supplies stores	49	2,022,317	3,777,026	5,616,847
Retail - Food and beverage stores	115	3,184,343	4,533,275	7,832,983
Retail - Health and personal care stores	54	2,316,399	2,933,022	4,575,188
Retail - Gasoline stores	34	1,139,948	1,961,126	3,609,406
Retail - Clothing and clothing accessories stores	50	1,683,026	2,534,232	4,869,399
Retail - Sporting goods, hobby, musical instrument and book stores	35	968,373	1,291,839	2,104,631
Retail - General merchandise stores	116	3,288,407	5,153,005	8,554,184
Retail - Miscellaneous store retailers	72	1,760,573	2,198,967	3,634,975
Retail - Nonstore retailers	86	2,618,018	8,321,753	15,342,536
Air transportation	16	2,194,220	3,355,260	6,054,178
Rail transportation	5	590,931	1,265,572	2,313,510
Water transportation	1	124,203	189,057	834,698
Truck transportation	75	5,281,701	6,341,300	12,067,074
Transit and ground passenger transportation	68	905,126	1,157,013	1,888,523
Pipeline transportation	3	2,615,280	2,844,711	3,078,086
Scenic and sightseeing transportation and support activities for transportation	36	3,336,043	3,551,555	6,288,787

Appendix

Couriers and messengers	46	1,618,905	2,105,501	3,750,490
Warehousing and storage	65	3,047,221	3,441,894	6,280,247
Newspaper publishers	8	519,612	1,023,908	1,228,787
Periodical publishers	6	547,663	992,255	1,395,978
Book publishers	3	277,351	1,057,508	1,560,042
Directory, mailing list, and other publishers	1	67,025	230,295	313,056
Greeting card publishing	<1	51,106	168,837	212,427
Software publishers	72	9,276,799	25,165,629	27,536,753
Motion picture and video industries	11	465,129	845,431	2,528,557
Sound recording industries	<1	35,765	212,556	441,496
Radio and television broadcasting	11	1,358,855	1,794,629	4,678,882
Cable and other subscription programming	<1	12,497	87,633	223,676
Wired telecommunications carriers	22	2,162,452	6,276,802	10,849,971
Wireless telecommunications carriers (except satellite)	2	190,821	1,865,650	4,456,389
Satellite, telecommunications resellers, and all other telecommunications	4	381,306	663,941	1,565,291
Data processing, hosting, and related services	19	1,786,227	3,081,555	9,061,522
News syndicates, libraries, archives and all other information services	2	147,035	220,286	446,070
Internet publishing and broadcasting and web search portals	13	1,805,153	3,683,638	13,970,279
Nondepository credit intermediation and related activities	38	3,742,117	6,044,936	9,249,234
Securities and commodity contracts intermediation and brokerage	70	4,891,896	4,498,067	9,143,974
Monetary authorities and depository credit intermediation	87	7,952,723	45,067,510	56,961,996
Other financial investment activities	62	3,667,320	4,803,574	12,953,917
Direct life insurance carriers	22	2,257,993	4,978,308	6,852,381
Insurance carriers, except direct life	61	6,138,705	24,187,927	42,521,345
Insurance agencies, brokerages, and related activities	48	3,682,421	6,767,292	14,722,433
Funds, trusts, and other financial vehicles	23	873,956	1,084,764	6,594,753
Other real estate	333	5,950,025	23,302,516	62,380,933
Tenant-occupied housing	50	858,756	13,933,935	16,165,481

Appendix

Owner-occupied dwellings	0	0	45,452,983	57,700,563
Automotive equipment rental and leasing	14	1,099,800	2,679,847	3,754,221
General and consumer goods rental except video tapes and discs	13	832,041	1,067,549	1,778,916
Video tape and disc rental	4	218,759	367,277	575,798
Commercial and industrial machinery and equipment rental and leasing	14	1,427,519	3,150,605	4,499,410
Lessors of nonfinancial intangible assets	1	91,022	2,036,900	2,364,738
Legal services	90	7,308,957	12,293,921	17,354,394
Accounting, tax preparation, bookkeeping, and payroll services	68	5,127,559	6,443,225	9,462,410
Architectural, engineering, and related services	77	6,095,858	6,607,504	11,789,310
Specialized design services	9	828,447	1,219,305	1,749,451
Custom computer programming services	34	3,078,491	3,289,482	4,645,367
Computer systems design services	30	2,754,680	2,576,552	3,359,608
Other computer related services, including facilities management	11	971,435	1,434,992	2,669,719
Management consulting services	520	46,935,858	48,450,633	76,632,620
Environmental and other technical consulting services	12	979,978	1,020,947	1,558,515
Scientific research and development services	976	78,499,102	102,511,946	208,159,516
Advertising, public relations, and related services	42	2,767,423	3,555,108	6,815,775
Photographic services	4	180,093	401,230	783,280
Veterinary services	17	799,590	955,982	1,517,010
Marketing research and all other miscellaneous professional, scientific, and technical services	89	7,099,327	11,944,985	22,011,874
Management of companies and enterprises	168	23,180,597	26,774,706	42,086,558
Office administrative services	61	4,174,982	1,751,093	4,184,759
Facilities support services	8	376,674	558,364	1,214,226
Employment services	326	12,256,076	17,825,146	27,400,621
Business support services	61	3,011,746	2,577,148	4,404,801
Travel arrangement and reservation services	8	431,960	569,579	1,343,950
Investigation and security services	39	1,404,373	1,419,808	2,113,726
Services to buildings	101	3,039,085	4,328,893	8,050,318
Landscape and horticultural services	47	1,904,407	2,407,483	4,141,158

Appendix

Other support services	20	944,467	1,227,435	2,329,235
Waste management and remediation services	19	1,480,286	2,602,173	4,539,281
Elementary and secondary schools	65	2,306,889	1,966,564	2,420,634
Junior colleges, colleges, universities, and professional schools	150	6,147,777	8,310,530	11,420,802
Other educational services	35	1,235,719	1,387,189	2,823,894
Offices of physicians	161	18,286,649	19,300,682	26,633,099
Offices of dentists	49	3,121,227	4,101,537	5,797,789
Offices of other health practitioners	49	2,477,971	3,860,721	5,187,438
Outpatient care centers	52	3,234,328	3,026,307	5,498,414
Medical and diagnostic laboratories	18	1,392,355	2,168,259	3,067,508
Home health care services	103	3,959,206	3,839,672	5,148,209
Other ambulatory health care services	16	823,596	942,020	1,612,439
Hospitals	352	27,306,726	32,042,490	63,329,232
Nursing and community care facilities	110	4,203,241	4,798,103	8,573,139
Residential mental retardation, mental health, substance abuse and other facilities	50	1,850,737	2,030,200	3,300,562
Individual and family services	142	4,470,573	3,915,339	5,710,538
Child day care services	55	1,495,933	2,216,646	3,015,661
Community food, housing, and other relief services, including rehabilitation services	39	1,200,055	1,185,048	2,786,575
Performing arts companies	11	309,942	522,494	837,616
Commercial Sports Except Racing	41	1,702,242	1,326,248	2,072,968
Racing and Track Operation	2	64,089	123,278	200,371
Independent artists, writers, and performers	6	153,767	746,239	970,096
Promoters of performing arts and sports and agents for public figures	24	737,341	1,769,436	2,854,518
Museums, historical sites, zoos, and parks	10	397,175	548,850	953,792
Amusement parks and arcades	7	327,406	445,447	608,014
Gambling industries (except casino hotels)	25	1,051,423	2,895,667	4,161,093
Other amusement and recreation industries	31	1,165,914	1,223,865	2,030,146
Fitness and recreational sports centers	26	842,064	971,296	1,559,341
Bowling centers	5	165,656	206,409	360,139

Appendix

Hotels and motels, including casino hotels	30	972,236	1,690,603	2,864,142
Other accommodations	11	448,996	601,371	824,600
Full-service restaurants	265	6,275,707	9,277,569	16,484,489
Limited-service restaurants	218	4,366,986	7,125,919	16,039,975
All other food and drinking places	145	4,059,301	5,485,673	8,687,189
Automotive repair and maintenance, except car washes	89	4,887,387	5,836,325	8,544,021
Car washes	46	2,342,240	3,785,156	5,681,497
Electronic and precision equipment repair and maintenance	330	23,768,208	29,650,410	46,701,737
Commercial and industrial machinery and equipment repair and maintenance	28	2,242,111	2,140,696	3,166,662
Personal and household goods repair and maintenance	11	521,725	1,005,544	1,426,421
Personal care services	67	1,983,808	1,777,522	2,385,681
Death care services	15	511,664	330,425	480,097
Dry-cleaning and laundry services	35	1,292,652	781,342	1,051,588
Other personal services	35	1,062,479	1,340,846	1,968,952
Religious organizations	145	6,286,554	3,538,984	12,333,667
Grantmaking, giving, and social advocacy organizations	18	972,889	3,362,292	5,119,013
Business and professional associations	11	851,476	1,564,970	2,700,855
Labor and civic organizations	46	984,605	3,059,997	5,946,912
Private households	33	495,796	495,720	495,720
Postal service	29	2,546,718	2,547,357	2,716,482
Federal electric utilities	0	0	0	0
Other federal government enterprises	11	519,150	-269,246	942,596
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	1	134,893	143,910	308,225
Local government passenger transit	8	663,976	-593,620	391,596
Local government electric utilities	1	132,728	334,854	685,850
Other local government enterprises	23	2,044,164	3,747,513	7,476,845
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1,530	261,273,056	325,881,724	745,528,799

Moon to Mars Campaign

Table 731: Detailed M2M Campaign Impacts by Types of Impact, Ohio

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,280</i>	<i>101,407,825</i>	<i>153,511,753</i>	<i>300,894,467</i>
Oilseed farming	4	89,572	479,692	1,276,820
Grain farming	3	59,871	25,726	439,976
Vegetable and melon farming	<1	7,121	11,403	24,078
Fruit farming	<1	2,672	4,388	7,329
Tree nut farming	<1	82	139	220
Greenhouse, nursery, and floriculture production	<1	21,387	27,747	49,798
Tobacco farming	<1	219	214	402
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	6,526	8,013	15,926
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	2	10,491	24,505	104,801
Dairy cattle and milk production	<1	9,414	17,317	107,901
Poultry and egg production	<1	7,516	12,404	101,187
Animal production, except cattle and poultry and eggs	5	47,129	132,606	260,215
Forestry, forest products, and timber tract production	<1	4,171	4,331	4,959
Commercial logging	<1	19,817	18,234	21,616
Commercial fishing	<1	903	1,239	1,333
Commercial hunting and trapping	<1	1,117	-5,239	1,186
Support activities for agriculture and forestry	2	52,919	31,677	45,466
Oil and gas extraction	<1	23,056	619,168	904,077

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Coal mining	<1	19,436	15,027	24,547
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	22,768	15,447	40,744
Sand and gravel mining	<1	13,069	11,993	20,919
Other clay, ceramic, refractory minerals mining	<1	288	237	530
Potash, soda, and borate mineral mining	<1	445	425	628
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	6,306	5,233	8,330
Other nonmetallic minerals	<1	56	50	125
Drilling oil and gas wells	<1	5	36	61
Support activities for oil and gas operations	<1	585	1,633	2,767
Metal mining services	<1	224	5,809	9,618
Other nonmetallic minerals services	<1	83	852	1,388
Electric power generation - Hydroelectric	<1	408	1,786	4,095
Electric power generation - Fossil fuel	<1	93,586	402,401	860,842
Electric power generation - Nuclear	<1	71,216	182,051	342,125
Electric power generation - Solar	<1	1,804	7,571	13,371
Electric power generation - Wind	<1	598	6,498	11,882
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	407	2,332	5,371
Electric power generation - All other	<1	1,108	981	2,813
Electric power transmission and distribution	1	181,202	762,375	1,696,127
Natural gas distribution	<1	107,138	352,515	687,843
Water, sewage and other systems	<1	13,382	30,408	50,205
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	3,113	3,404	7,126
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	4	246,375	346,099	782,663
Maintenance and repair construction of residential structures	2	125,668	176,539	398,751
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	239	335	764
Dog and cat food manufacturing	<1	8,694	36,251	101,000
Other animal food manufacturing	<1	16,647	37,481	234,572
Flour milling	<1	5,105	12,171	67,944
Rice milling	0	0	0	0
Malt manufacturing	<1	466	1,102	5,427
Wet corn milling	<1	9,224	34,126	132,053
Soybean and other oilseed processing	<1	5,679	43,005	270,366
Fats and oils refining and blending	<1	1,458	3,798	27,410
Breakfast cereal manufacturing	<1	13,768	43,361	107,519
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	820	2,886	13,859
Nonchocolate confectionery manufacturing	<1	5,048	9,291	40,497
Chocolate and confectionery manufacturing from cacao beans	<1	698	1,230	3,229
Confectionery manufacturing from purchased chocolate	<1	4,477	7,535	36,473
Frozen fruits, juices and vegetables manufacturing	<1	1,363	3,415	10,397
Frozen specialties manufacturing	<1	30,253	48,179	170,777
Canned fruits and vegetables manufacturing	<1	29,089	71,560	185,902

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Canned specialties	<1	19,814	61,329	208,797
Dehydrated food products manufacturing	<1	229	490	1,614
Cheese manufacturing	<1	10,869	19,393	171,340
Dry, condensed, and evaporated dairy product manufacturing	<1	36,507	111,362	348,144
Fluid milk manufacturing	<1	15,124	30,259	161,656
Creamery butter manufacturing	<1	1,148	6,944	33,743
Ice cream and frozen dessert manufacturing	<1	5,915	9,792	33,153
Frozen cakes and other pastries manufacturing	<1	15,947	25,079	45,439
Poultry processing	<1	16,383	23,854	102,897
Animal, except poultry, slaughtering	<1	8,291	12,632	100,837
Meat processed from carcasses	1	64,541	69,499	479,144
Rendering and meat byproduct processing	<1	1,827	2,074	9,867
Seafood product preparation and packaging	<1	396	616	2,668
Bread and bakery product, except frozen, manufacturing	1	40,377	64,646	161,121
Cookie and cracker manufacturing	<1	29,420	52,907	153,901
Dry pasta, mixes, and dough manufacturing	<1	6,485	18,140	61,427
Tortilla manufacturing	<1	172	248	1,175
Roasted nuts and peanut butter manufacturing	<1	9,013	29,755	79,557
Other snack food manufacturing	<1	14,516	41,832	141,154
Coffee and tea manufacturing	<1	710	1,690	7,573
Flavoring syrup and concentrate manufacturing	<1	5,447	55,049	105,959
Mayonnaise, dressing, and sauce manufacturing	<1	5,028	11,605	39,768
Spice and extract manufacturing	<1	11,055	22,981	81,848
All other food manufacturing	<1	15,574	27,183	121,728
Bottled and canned soft drinks & water	<1	29,586	62,331	248,097
Manufactured ice	<1	2,127	1,668	5,848
Breweries	<1	26,635	96,096	195,575
Wineries	<1	7,581	20,586	82,457
Distilleries	<1	2,633	39,602	59,431
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	52	82	319
Broadwoven fabric mills	<1	927	1,511	4,767
Narrow fabric mills and schiffli machine embroidery	<1	1,370	1,505	4,056

Appendix

Nonwoven fabric mills	<1	7,213	11,953	45,377
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3,875	4,661	11,903
Fabric coating mills	<1	3,091	3,727	13,764
Carpet and rug mills	<1	1,977	3,469	10,873
Curtain and linen mills	<1	2,917	3,687	11,054
Textile bag and canvas mills	<1	3,309	3,882	10,476
Rope, cordage, twine, tire cord and tire fabric mills	<1	118	172	494
Other textile product mills	<1	2,393	2,847	8,776
Hosiery and sock mills	<1	237	367	728
Other apparel knitting mills	<1	232	373	800
Cut and sew apparel contractors	<1	769	935	1,986
Mens and boys cut and sew apparel manufacturing	<1	4,940	6,050	14,197
Womens and girls cut and sew apparel manufacturing	<1	274	469	1,767
Other cut and sew apparel manufacturing	<1	1,031	1,491	4,462
Apparel accessories and other apparel manufacturing	<1	531	788	1,836
Leather and hide tanning and finishing	<1	235	403	1,337
Footwear manufacturing	<1	266	303	777
Other leather and allied product manufacturing	<1	1,477	1,591	3,773
Sawmills	<1	8,144	9,749	41,443
Wood preservation	<1	821	1,295	6,170
Veneer and plywood manufacturing	<1	3,033	3,629	13,737
Engineered wood member and truss manufacturing	<1	2,774	3,224	10,428
Reconstituted wood product manufacturing	<1	1,189	1,739	8,100
Wood windows and door manufacturing	<1	18,223	20,626	56,954
Cut stock, resawing lumber, and planing	<1	3,590	4,425	13,423
Other millwork, including flooring	<1	9,964	11,850	34,574
Wood container and pallet manufacturing	<1	14,274	15,962	42,905
Manufactured home (mobile home) manufacturing	<1	2	2	7
Prefabricated wood building manufacturing	<1	1,557	1,742	5,057
All other miscellaneous wood product manufacturing	<1	6,722	7,900	24,173
Pulp mills	<1	198	257	1,984

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Paper mills	<1	19,895	30,473	140,572
Paperboard mills	<1	5,525	9,753	47,523
Paperboard container manufacturing	<1	54,086	72,314	338,493
Paper bag and coated and treated paper manufacturing	<1	59,845	84,834	281,055
Stationery product manufacturing	<1	4,833	6,369	29,246
Sanitary paper product manufacturing	<1	12,182	23,887	103,623
All other converted paper product manufacturing	<1	7,553	9,765	37,675
Printing	3	197,547	338,904	623,208
Support activities for printing	<1	11,880	18,384	26,383
Petroleum refineries	<1	67,246	445,844	1,463,083
Asphalt paving mixture and block manufacturing	<1	4,976	7,689	23,124
Asphalt shingle and coating materials manufacturing	<1	3,145	10,681	20,480
Petroleum lubricating oil and grease manufacturing	<1	17,383	55,233	102,198
All other petroleum and coal products manufacturing	<1	4,723	17,526	34,476
Petrochemical manufacturing	<1	3,591	32,647	139,957
Industrial gas manufacturing	<1	10,296	23,811	67,332
Synthetic dye and pigment manufacturing	<1	11,864	25,663	79,526
Other basic inorganic chemical manufacturing	<1	10,973	27,675	91,280
Other basic organic chemical manufacturing	<1	40,694	87,215	529,543
Plastics material and resin manufacturing	<1	32,546	57,897	346,669
Synthetic rubber manufacturing	<1	4,390	7,171	39,357
Artificial and synthetic fibers and filaments manufacturing	<1	1,044	1,540	7,300
Nitrogenous fertilizer manufacturing	<1	15,070	39,578	90,650
Phosphatic fertilizer manufacturing	<1	190	442	1,793
Fertilizer mixing	<1	1,199	2,615	7,689
Pesticide and other agricultural chemical manufacturing	<1	120	389	1,898
Medicinal and botanical manufacturing	<1	433	782	2,277
Pharmaceutical preparation manufacturing	<1	55,290	214,319	602,431
In-vitro diagnostic substance manufacturing	<1	2,382	3,694	10,950

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Biological product (except diagnostic) manufacturing	<1	205	478	1,157
Paint and coating manufacturing	<1	25,001	52,955	179,386
Adhesive manufacturing	<1	13,765	24,598	83,244
Soap and other detergent manufacturing	<1	146,840	525,428	779,540
Polish and other sanitation good manufacturing	<1	14,197	23,858	67,482
Surface active agent manufacturing	<1	674	2,627	6,796
Toilet preparation manufacturing	<1	29,609	108,016	271,772
Printing ink manufacturing	<1	8,304	9,282	38,250
Explosives manufacturing	<1	207	244	845
Custom compounding of purchased resins	<1	13,643	27,257	81,896
Photographic film and chemical manufacturing	<1	4,831	12,004	36,408
Other miscellaneous chemical product manufacturing	1	155,676	283,629	1,019,180
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	30,457	49,426	176,144
Unlaminated plastics profile shape manufacturing	<1	10,971	23,356	73,680
Plastics pipe and pipe fitting manufacturing	<1	41,827	108,959	363,944
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6,349	11,508	32,909
Polystyrene foam product manufacturing	<1	7,779	12,918	42,274
Urethane and other foam product (except polystyrene) manufacturing	<1	6,173	9,869	38,341
Plastics bottle manufacturing	<1	15,151	24,055	105,073
Other plastics product manufacturing	2	91,038	132,582	448,639
Tire manufacturing	<1	24,497	37,101	138,088
Rubber and plastics hoses and belting manufacturing	<1	7,638	11,154	31,207
Other rubber product manufacturing	<1	44,519	62,294	228,326
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,150	4,201	10,715
Brick, tile, and other structural clay product manufacturing	<1	4,974	7,787	18,582
Flat glass manufacturing	<1	1,198	2,181	5,574
Other pressed and blown glass and glassware manufacturing	<1	18,521	29,226	69,157
Glass container manufacturing	<1	2,073	3,060	8,069

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Glass product manufacturing made of purchased glass	<1	13,316	20,842	53,885
Cement manufacturing	<1	1,871	3,943	10,803
Ready-mix concrete manufacturing	<1	11,619	18,224	60,800
Concrete block and brick manufacturing	<1	5,193	8,414	23,048
Concrete pipe manufacturing	<1	143	225	648
Other concrete product manufacturing	<1	6,061	8,040	19,962
Lime manufacturing	<1	1,013	2,210	5,906
Gypsum product manufacturing	<1	2,435	5,682	16,556
Abrasive product manufacturing	<1	5,444	12,767	21,732
Cut stone and stone product manufacturing	<1	5,030	5,851	13,323
Ground or treated mineral and earth manufacturing	<1	514	1,225	3,157
Mineral wool manufacturing	<1	5,245	10,607	20,759
Miscellaneous nonmetallic mineral products manufacturing	<1	1,723	4,070	8,614
Iron and steel mills and ferroalloy manufacturing	<1	50,001	95,209	531,751
Iron, steel pipe and tube manufacturing from purchased steel	<1	8,563	15,053	61,626
Rolled steel shape manufacturing	<1	9,409	20,942	90,686
Steel wire drawing	<1	2,056	3,206	15,586
Alumina refining and primary aluminum production	<1	1,660	2,711	27,444
Secondary smelting and alloying of aluminum	<1	1,238	2,295	19,442
Aluminum sheet, plate, and foil manufacturing	<1	8,609	17,616	77,901
Other aluminum rolling, drawing and extruding	<1	8,751	12,688	64,967
Nonferrous metal (exc aluminum) smelting and refining	<1	695	3,194	10,648
Copper rolling, drawing, extruding and alloying	<1	17,069	26,947	169,394
Nonferrous metal, except copper and aluminum, shaping	<1	6,177	7,554	26,377
Secondary processing of other nonferrous metals	<1	553	922	5,179
Ferrous metal foundries	<1	12,735	19,664	47,305
Nonferrous metal foundries	<1	27,559	40,322	106,529
Custom roll forming	<1	1,094	1,903	10,824
Crown and closure manufacturing and metal stamping	<1	18,818	24,300	66,519
Iron and steel forging	<1	16,021	26,752	83,657

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Nonferrous forging	<1	7,068	10,359	25,193
Cutlery, utensil, pot, and pan manufacturing	<1	8,005	23,045	57,065
Handtool manufacturing	<1	19,197	32,433	64,115
Prefabricated metal buildings and components manufacturing	<1	1,532	2,131	7,231
Fabricated structural metal manufacturing	<1	9,244	13,832	44,919
Plate work manufacturing	<1	5,464	6,086	18,258
Metal window and door manufacturing	<1	12,345	17,040	41,902
Sheet metal work manufacturing	<1	11,795	15,908	41,780
Ornamental and architectural metal work manufacturing	<1	6,421	8,450	21,271
Power boiler and heat exchanger manufacturing	<1	1,295	1,882	4,569
Metal tank (heavy gauge) manufacturing	<1	3,098	3,977	10,564
Metal cans manufacturing	<1	8,388	19,861	84,869
Metal barrels, drums and pails manufacturing	<1	2,406	3,054	12,114
Hardware manufacturing	<1	4,045	6,527	20,510
Spring and wire product manufacturing	<1	8,618	11,763	35,262
Machine shops	<1	48,631	60,663	122,629
Turned product and screw, nut, and bolt manufacturing	<1	22,537	33,766	90,192
Metal heat treating	<1	7,453	11,108	28,905
Metal coating and nonprecious engraving	<1	12,379	22,474	51,965
Electroplating, anodizing, and coloring metal	<1	18,894	21,795	48,684
Valve and fittings, other than plumbing, manufacturing	<1	7,413	12,203	32,503
Plumbing fixture fitting and trim manufacturing	<1	7,186	20,823	47,272
Ball and roller bearing manufacturing	<1	13,755	25,530	50,038
Small arms ammunition manufacturing	<1	5,121	11,389	26,417
Ammunition, except for small arms, manufacturing	<1	242	299	600
Small arms, ordnance, and accessories manufacturing	<1	4,368	8,510	17,560
Fabricated pipe and pipe fitting manufacturing	<1	2,207	2,789	8,119
Other fabricated metal manufacturing	3	234,700	314,286	814,242
Farm machinery and equipment manufacturing	<1	1,282	2,165	6,984

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Lawn and garden equipment manufacturing	<1	2,829	5,111	23,543
Construction machinery manufacturing	<1	865	1,996	6,312
Mining machinery and equipment manufacturing	<1	80	122	352
Oil and gas field machinery and equipment manufacturing	<1	133	215	709
Semiconductor machinery manufacturing	<1	117	136	374
Food product machinery manufacturing	<1	331	388	1,147
Sawmill, woodworking, and paper machinery	<1	592	683	2,243
Printing machinery and equipment manufacturing	<1	752	841	2,363
All other industrial machinery manufacturing	<1	1,898	2,431	6,636
Optical instrument and lens manufacturing	<1	85	117	369
Photographic and photocopying equipment manufacturing	<1	16	21	83
Other commercial service industry machinery manufacturing	<1	2,220	3,599	11,253
Air purification and ventilation equipment manufacturing	<1	2,315	3,199	8,503
Heating equipment (except warm air furnaces) manufacturing	<1	4,363	6,723	18,059
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11,332	20,179	51,751
Industrial mold manufacturing	<1	3,131	3,665	7,481
Special tool, die, jig, and fixture manufacturing	<1	5,046	6,615	12,027
Cutting tool and machine tool accessory manufacturing	<1	2,453	2,785	6,659
Machine tool manufacturing	<1	1,572	2,004	5,740
Rolling mill and other metalworking machinery manufacturing	<1	571	685	1,540
Turbine and turbine generator set units manufacturing	<1	121	157	429
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,775	8,600	22,966
Mechanical power transmission equipment manufacturing	<1	3,053	4,782	11,624
Other engine equipment manufacturing	<1	12,883	27,559	111,066

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Pump and pumping equipment manufacturing	<1	838	1,432	4,229
Air and gas compressor manufacturing	<1	5,280	11,298	37,834
Elevator and moving stairway manufacturing	<1	74	107	348
Conveyor and conveying equipment manufacturing	<1	1,093	1,241	3,508
Overhead cranes, hoists, and monorail systems manufacturing	<1	70	133	447
Industrial truck, trailer, and stacker manufacturing	<1	3,417	5,416	16,430
Power-driven handtool manufacturing	<1	925	2,251	5,620
Welding and soldering equipment manufacturing	<1	3,116	4,406	10,802
Packaging machinery manufacturing	<1	1,282	1,784	4,482
Industrial process furnace and oven manufacturing	<1	1,281	1,502	3,412
Fluid power cylinder and actuator manufacturing	<1	2,514	3,501	9,858
Fluid power pump and motor manufacturing	<1	2,079	3,240	10,334
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,298	1,591	4,080
Electronic computer manufacturing	<1	57	92	539
Computer storage device manufacturing	<1	35	65	623
Computer terminals and other computer peripheral equipment manufacturing	<1	77,689	112,324	324,142
Telephone apparatus manufacturing	<1	141	179	642
Broadcast and wireless communications equipment manufacturing	<1	406	514	1,653
Other communications equipment manufacturing	<1	2,104	2,675	8,999
Audio and video equipment manufacturing	<1	175	240	1,141
Printed circuit assembly (electronic assembly) manufacturing	<1	12,658	17,299	96,276
Bare printed circuit board manufacturing	<1	616	716	2,562
Semiconductor and related device manufacturing	<1	19,597	26,389	100,956

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,060	1,319	3,741
Electronic connector manufacturing	<1	2,327	2,955	10,969
Other electronic component manufacturing	<1	6,667	7,934	26,552
Electromedical and electrotherapeutic apparatus manufacturing	<1	822	1,154	3,246
Search, detection, and navigation instruments manufacturing	<1	166	214	486
Automatic environmental control manufacturing	<1	15,213	18,016	47,846
Industrial process variable instruments manufacturing	<1	2,341	3,012	7,807
Totalizing fluid meter and counting device manufacturing	<1	425	650	1,826
Electricity and signal testing instruments manufacturing	<1	3,509	4,638	22,826
Analytical laboratory instrument manufacturing	1	80,028	109,347	361,472
Irradiation apparatus manufacturing	<1	78	112	342
Watch, clock, and other measuring and controlling device manufacturing	<1	1,086	1,482	4,477
Blank magnetic and optical recording media manufacturing	<1	2,085	3,868	14,124
Software and other prerecorded and record reproducing	<1	2,072	2,540	5,899
Electric lamp bulb and part manufacturing	<1	10,061	24,753	52,294
Lighting fixture manufacturing	<1	6,566	10,581	25,359
Small electrical appliance manufacturing	<1	5,795	16,185	49,278
Household cooking appliance manufacturing	<1	14,286	41,792	109,429
Household refrigerator and home freezer manufacturing	<1	15,501	47,639	119,420
Household laundry equipment manufacturing	<1	36,550	79,908	273,286
Other major household appliance manufacturing	<1	6,040	20,224	46,941
Power, distribution, and specialty transformer manufacturing	<1	505	870	2,180
Motor and generator manufacturing	<1	5,487	10,732	28,219
Switchgear and switchboard apparatus manufacturing	<1	2,632	5,275	13,777

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Relay and industrial control manufacturing	<1	20,131	30,948	64,619
Storage battery manufacturing	<1	13,876	21,409	52,239
Primary battery manufacturing	<1	10,229	26,889	42,128
Fiber optic cable manufacturing	<1	1,793	2,353	8,628
Other communication and energy wire manufacturing	<1	905	1,568	5,266
Wiring device manufacturing	<1	10,388	23,659	55,217
Carbon and graphite product manufacturing	<1	13,345	26,683	64,015
All other miscellaneous electrical equipment and component manufacturing	<1	835	1,026	3,134
Automobile manufacturing	<1	18,871	38,951	191,265
Light truck and utility vehicle manufacturing	<1	9,254	12,286	183,953
Heavy duty truck manufacturing	<1	2,423	4,044	24,925
Motor vehicle body manufacturing	<1	784	918	4,110
Truck trailer manufacturing	<1	37	37	178
Motor home manufacturing	<1	11,027	13,370	53,227
Travel trailer and camper manufacturing	<1	12,508	13,260	49,228
Motor vehicle gasoline engine and engine parts manufacturing	<1	64,377	76,323	403,236
Motor vehicle electrical and electronic equipment manufacturing	<1	23,124	24,776	135,447
Motor vehicle transmission and power train parts manufacturing	1	212,317	265,091	953,503
Motor vehicle seating and interior trim manufacturing	<1	4,948	5,342	32,321
Motor vehicle metal stamping	<1	42,417	46,850	186,229
Other motor vehicle parts manufacturing	<1	57,042	59,093	354,976
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	26,493	34,574	164,708
Aircraft manufacturing	<1	1	3	16
Aircraft engine and engine parts manufacturing	<1	100,995	229,699	459,992
Other aircraft parts and auxiliary equipment manufacturing	<1	3,783	6,038	12,458
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	12	19	41

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Railroad rolling stock manufacturing	<1	32	44	228
Ship building and repairing	<1	109	150	385
Boat building	<1	750	1,136	4,970
Motorcycle, bicycle, and parts manufacturing	<1	2,598	11,329	22,895
Military armored vehicle, tank, and tank component manufacturing	<1	6,825	18,227	41,491
All other transportation equipment manufacturing	<1	717	1,673	6,614
Wood kitchen cabinet and countertop manufacturing	<1	12,252	13,701	33,378
Upholstered household furniture manufacturing	<1	3,327	3,653	12,597
Nonupholstered wood household furniture manufacturing	<1	11,471	12,234	33,899
Other household nonupholstered furniture manufacturing	<1	2,610	3,419	12,048
Institutional furniture manufacturing	<1	598	623	1,638
Wood office furniture manufacturing	<1	35	40	113
Custom architectural woodwork and millwork	<1	335	308	844
Office furniture, except wood, manufacturing	<1	450	567	2,028
Showcase, partition, shelving, and locker manufacturing	<1	1,743	2,007	5,673
Mattress manufacturing	<1	2,687	3,604	14,372
Blind and shade manufacturing	<1	168	173	620
Surgical and medical instrument manufacturing	<1	5,834	7,622	17,984
Surgical appliance and supplies manufacturing	<1	23,440	32,799	85,065
Dental equipment and supplies manufacturing	<1	425	516	1,209
Ophthalmic goods manufacturing	<1	5,528	7,609	16,293
Dental laboratories	<1	6,561	6,701	11,165
Jewelry and silverware manufacturing	<1	5,965	8,553	21,212
Sporting and athletic goods manufacturing	<1	6,935	8,082	23,827
Doll, toy, and game manufacturing	<1	5,030	6,203	20,501
Office supplies (except paper) manufacturing	<1	2,431	2,889	8,565
Sign manufacturing	<1	10,705	9,416	20,562
Gasket, packing, and sealing device manufacturing	<1	5,199	5,661	13,799

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Musical instrument manufacturing	<1	3,601	3,803	8,377
Fasteners, buttons, needles, and pins manufacturing	<1	1,409	1,613	3,495
Broom, brush, and mop manufacturing	<1	6,280	8,345	23,031
Burial casket manufacturing	<1	906	1,022	1,962
All other miscellaneous manufacturing	<1	12,819	15,294	38,530
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	57,536	119,720	281,817
Wholesale - Professional and commercial equipment and supplies	3	375,021	568,429	987,692
Wholesale - Household appliances and electrical and electronic goods	1	108,821	236,165	520,627
Wholesale - Machinery, equipment, and supplies	1	132,092	233,807	407,613
Wholesale - Other durable goods merchant wholesalers	3	235,610	385,832	748,165
Wholesale - Drugs and druggists' sundries	1	212,729	557,117	1,066,888
Wholesale - Grocery and related product wholesalers	3	234,707	309,609	596,051
Wholesale - Petroleum and petroleum products	<1	30,701	509,890	579,475
Wholesale - Other nondurable goods merchant wholesalers	5	420,886	856,197	1,479,797
Wholesale - Wholesale electronic markets and agents and brokers	2	228,425	236,356	276,233
Retail - Motor vehicle and parts dealers	4	247,745	401,843	586,979
Retail - Furniture and home furnishings stores	3	126,857	170,814	277,073
Retail - Electronics and appliance stores	3	162,284	159,249	266,698
Retail - Building material and garden equipment and supplies stores	4	147,492	277,243	411,640
Retail - Food and beverage stores	14	401,028	567,677	968,585
Retail - Health and personal care stores	6	272,022	346,164	539,511
Retail - Gasoline stores	4	136,786	228,387	408,662
Retail - Clothing and clothing accessories stores	6	207,127	309,455	583,325
Retail - Sporting goods, hobby, musical instrument and book stores	4	113,317	151,531	243,843
Retail - General merchandise stores	13	372,892	587,501	974,575

Appendix

Retail - Miscellaneous store retailers	8	211,218	263,481	426,903
Retail - Nonstore retailers	10	302,233	1,020,448	1,857,275
Air transportation	2	261,924	409,892	729,627
Rail transportation	<1	65,469	121,117	235,082
Water transportation	<1	20,039	30,963	130,643
Truck transportation	8	563,492	673,189	1,280,164
Transit and ground passenger transportation	9	128,704	163,871	258,000
Pipeline transportation	<1	175,158	207,189	229,201
Scenic and sightseeing transportation and support activities for transportation	5	456,114	487,467	869,948
Couriers and messengers	5	190,070	251,438	446,867
Warehousing and storage	7	352,075	398,847	722,337
Newspaper publishers	<1	61,564	122,037	144,330
Periodical publishers	<1	81,150	148,347	199,167
Book publishers	<1	33,166	127,341	185,220
Directory, mailing list, and other publishers	<1	5,724	20,297	27,392
Greeting card publishing	<1	5,852	20,634	24,662
Software publishers	5	626,621	1,719,234	1,884,205
Motion picture and video industries	1	63,963	116,245	312,171
Sound recording industries	<1	5,146	31,388	61,758
Radio and television broadcasting	1	217,893	273,566	581,573
Cable and other subscription programming	<1	2,815	13,876	29,871
Wired telecommunications carriers	2	256,847	718,298	1,227,573
Wireless telecommunications carriers (except satellite)	<1	23,128	230,914	541,650
Satellite, telecommunications resellers, and all other telecommunications	<1	46,672	79,234	180,744
Data processing, hosting, and related services	2	204,368	348,606	965,423
News syndicates, libraries, archives and all other information services	<1	20,611	31,684	60,825
Internet publishing and broadcasting and web search portals	1	230,135	471,898	1,596,319
Nondepository credit intermediation and related activities	4	479,242	776,768	1,149,255
Securities and commodity contracts intermediation and brokerage	8	630,090	568,598	1,058,183

Appendix

Monetary authorities and depository credit intermediation	10	899,823	5,142,581	6,400,087
Other financial investment activities	8	545,599	697,203	1,682,571
Direct life insurance carriers	2	244,552	563,218	754,899
Insurance carriers, except direct life	7	736,114	3,072,830	5,136,771
Insurance agencies, brokerages, and related activities	5	418,587	789,783	1,666,455
Funds, trusts, and other financial vehicles	3	121,408	154,704	804,638
Other real estate	45	923,094	3,495,882	8,772,645
Tenant-occupied housing	6	109,394	1,827,289	2,080,718
Owner-occupied dwellings	0	0	5,870,439	7,452,264
Automotive equipment rental and leasing	2	169,195	345,580	462,174
General and consumer goods rental except video tapes and discs	1	105,587	128,229	203,295
Video tape and disc rental	<1	26,028	43,253	67,571
Commercial and industrial machinery and equipment rental and leasing	1	131,763	267,210	374,133
Lessors of nonfinancial intangible assets	<1	11,317	262,275	302,613
Legal services	12	1,047,261	1,790,855	2,489,232
Accounting, tax preparation, bookkeeping, and payroll services	7	582,223	752,087	1,075,991
Architectural, engineering, and related services	7	579,880	637,280	1,121,639
Specialized design services	<1	84,926	129,275	180,664
Custom computer programming services	3	276,636	293,303	409,242
Computer systems design services	3	314,813	294,678	379,923
Other computer related services, including facilities management	1	124,507	182,583	332,940
Management consulting services	30	2,901,536	3,014,527	4,641,618
Environmental and other technical consulting services	2	135,190	142,275	214,319
Scientific research and development services	193	16,624,945	21,521,362	42,588,379
Advertising, public relations, and related services	5	351,766	461,981	849,810
Photographic services	<1	19,281	46,038	85,794
Veterinary services	2	96,695	118,478	183,920
Marketing research and all other miscellaneous professional, scientific, and technical services	7	532,531	926,730	1,658,578

Appendix

Management of companies and enterprises	22	3,089,016	3,589,034	5,542,224
Office administrative services	8	618,546	276,314	611,224
Facilities support services	<1	42,757	63,924	132,077
Employment services	38	1,579,084	2,338,409	3,457,804
Business support services	6	322,913	281,142	463,167
Travel arrangement and reservation services	<1	51,338	68,106	159,454
Investigation and security services	4	172,131	174,979	253,219
Services to buildings	8	269,715	390,244	698,295
Landscape and horticultural services	5	229,845	293,146	491,900
Other support services	2	108,634	142,374	265,290
Waste management and remediation services	2	176,778	310,374	536,072
Elementary and secondary schools	9	338,013	288,576	350,875
Junior colleges, colleges, universities, and professional schools	18	828,343	1,112,700	1,494,592
Other educational services	4	162,404	183,712	362,788
Offices of physicians	19	2,202,274	2,335,377	3,221,311
Offices of dentists	6	380,671	507,919	710,704
Offices of other health practitioners	6	294,840	469,826	625,762
Outpatient care centers	7	400,187	376,958	691,720
Medical and diagnostic laboratories	1	98,550	155,607	219,453
Home health care services	13	480,863	468,488	632,621
Other ambulatory health care services	2	101,100	116,656	198,035
Hospitals	47	3,713,475	4,326,077	8,506,523
Nursing and community care facilities	13	531,074	606,763	1,063,513
Residential mental retardation, mental health, substance abuse and other facilities	7	256,717	282,183	451,606
Individual and family services	18	573,201	506,747	731,448
Child day care services	7	191,308	287,176	384,337
Community food, housing, and other relief services, including rehabilitation services	5	165,544	164,054	377,658
Performing arts companies	1	42,998	71,275	107,099
Commercial Sports Except Racing	5	212,551	159,846	248,091
Racing and Track Operation	<1	8,540	16,458	24,258
Independent artists, writers, and performers	<1	22,021	99,132	126,384

Appendix

Promoters of performing arts and sports and agents for public figures	3	97,167	226,826	347,879
Museums, historical sites, zoos, and parks	1	48,845	67,417	115,268
Amusement parks and arcades	<1	44,752	54,628	74,551
Gambling industries (except casino hotels)	3	135,733	364,329	516,799
Other amusement and recreation industries	3	138,752	139,718	229,550
Fitness and recreational sports centers	3	109,472	120,113	190,946
Bowling centers	<1	19,794	23,950	41,344
Hotels and motels, including casino hotels	4	136,692	234,004	391,925
Other accommodations	2	66,057	87,906	119,081
Full-service restaurants	31	760,425	1,136,216	1,982,523
Limited-service restaurants	26	539,096	886,223	1,942,882
All other food and drinking places	17	507,126	685,328	1,062,716
Automotive repair and maintenance, except car washes	11	606,233	700,969	1,025,620
Car washes	5	287,516	462,487	690,520
Electronic and precision equipment repair and maintenance	12	933,650	1,178,021	1,813,088
Commercial and industrial machinery and equipment repair and maintenance	3	230,710	215,885	316,545
Personal and household goods repair and maintenance	1	64,385	121,009	171,325
Personal care services	8	255,317	221,166	297,628
Death care services	2	72,321	40,550	60,937
Dry-cleaning and laundry services	4	162,969	85,750	119,490
Other personal services	4	136,963	170,930	249,277
Religious organizations	19	821,650	401,655	1,548,354
Grantmaking, giving, and social advocacy organizations	2	136,454	441,476	674,760
Business and professional associations	1	111,579	195,451	333,020
Labor and civic organizations	6	137,291	401,614	794,176
Private households	4	64,902	64,902	64,902
Postal service	3	287,600	287,723	306,555
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	27,161	-11,600	37,413
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	9,752	10,370	20,850
Local government passenger transit	<1	78,834	-74,577	37,138
Local government electric utilities	<1	13,050	31,221	63,501
Other local government enterprises	3	241,681	420,153	837,042
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	198	33,112,765	42,186,179	96,510,509

Investments in Climate Change Research and Technology

Table 732: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Ohio

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,910</i>	<i>138,805,876</i>	<i>209,181,353</i>	<i>416,717,684</i>
Oilseed farming	2	115,812	367,034	821,462
Grain farming	5	92,123	32,017	688,204
Vegetable and melon farming	<1	9,571	15,149	32,385
Fruit farming	<1	3,005	4,987	8,346
Tree nut farming	<1	65	111	177
Greenhouse, nursery, and floriculture production	1	32,459	42,083	78,122
Tobacco farming	<1	82	80	139
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	13,179	15,604	32,340
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	5	14,084	43,681	208,742

Appendix

Dairy cattle and milk production	<1	9,735	20,252	137,490
Poultry and egg production	<1	15,301	22,221	218,643
Animal production, except cattle and poultry and eggs	7	114,562	245,486	457,776
Forestry, forest products, and timber tract production	<1	5,924	6,179	7,450
Commercial logging	<1	51,614	47,973	60,878
Commercial fishing	<1	1,037	2,338	2,407
Commercial hunting and trapping	<1	1,004	-9,115	2,004
Support activities for agriculture and forestry	3	84,109	50,733	72,826
Oil and gas extraction	2	82,623	1,761,498	2,393,404
Coal mining	<1	73,207	77,178	122,288
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	51,880	49,674	123,043
Sand and gravel mining	<1	35,962	38,961	68,895
Other clay, ceramic, refractory minerals mining	<1	802	756	1,556
Potash, soda, and borate mineral mining	<1	761	789	1,144
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	7,648	9,149	14,889
Other nonmetallic minerals	<1	59	61	155
Drilling oil and gas wells	<1	20	136	209
Support activities for oil and gas operations	<1	2,026	5,399	8,732
Metal mining services	<1	900	21,768	32,425
Other nonmetallic minerals services	<1	405	3,244	5,021
Electric power generation - Hydroelectric	<1	712	2,944	6,746
Electric power generation - Fossil fuel	<1	95,588	447,380	1,074,413
Electric power generation - Nuclear	<1	88,363	222,730	454,341
Electric power generation - Solar	<1	2,644	10,957	19,983
Electric power generation - Wind	<1	1,593	16,759	32,717
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	629	3,202	8,283
Electric power generation - All other	<1	1,058	928	3,274
Electric power transmission and distribution	2	246,520	1,057,338	2,524,804
Natural gas distribution	<1	123,443	390,050	817,816
Water, sewage and other systems	<1	21,328	49,186	88,187
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	40	2,844,827	3,255,818	6,555,045
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	6	359,054	502,838	1,181,868
Maintenance and repair construction of residential structures	3	167,927	234,889	551,049
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	335	475	1,100
Dog and cat food manufacturing	<1	13,958	54,623	162,199
Other animal food manufacturing	<1	25,073	52,812	358,949
Flour milling	<1	9,678	23,426	129,665
Rice milling	0	0	0	0
Malt manufacturing	<1	1,101	2,557	12,951
Wet corn milling	<1	13,931	47,890	193,793
Soybean and other oilseed processing	<1	7,284	55,904	361,470
Fats and oils refining and blending	<1	1,956	5,007	37,969
Breakfast cereal manufacturing	<1	19,962	60,861	164,872
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	803	2,782	14,109
Nonchocolate confectionery manufacturing	<1	4,995	9,288	43,816
Chocolate and confectionery manufacturing from cacao beans	<1	492	857	2,358
Confectionery manufacturing from purchased chocolate	<1	6,327	10,612	55,201
Frozen fruits, juices and vegetables manufacturing	<1	1,565	3,758	13,343
Frozen specialties manufacturing	<1	39,269	63,241	231,622
Canned fruits and vegetables manufacturing	<1	26,432	64,732	174,046
Canned specialties	<1	27,927	91,330	314,681
Dehydrated food products manufacturing	<1	203	442	1,483
Cheese manufacturing	<1	11,199	20,052	175,515
Dry, condensed, and evaporated dairy product manufacturing	<1	40,317	121,392	442,660
Fluid milk manufacturing	<1	19,112	37,464	208,299
Creamery butter manufacturing	<1	1,586	10,561	52,368
Ice cream and frozen dessert manufacturing	<1	7,396	11,803	45,503
Frozen cakes and other pastries manufacturing	<1	20,695	32,759	61,052
Poultry processing	<1	37,488	51,657	234,816
Animal, except poultry, slaughtering	<1	15,676	23,543	192,538
Meat processed from carcasses	1	85,925	90,995	648,967
Rendering and meat byproduct processing	<1	2,651	2,969	14,750
Seafood product preparation and packaging	<1	671	1,003	4,836
Bread and bakery product, except frozen, manufacturing	2	53,819	86,390	219,395
Cookie and cracker manufacturing	<1	32,119	54,319	182,112
Dry pasta, mixes, and dough manufacturing	<1	8,149	23,023	73,816
Tortilla manufacturing	<1	251	369	1,835
Roasted nuts and peanut butter manufacturing	<1	10,252	32,004	94,415
Other snack food manufacturing	<1	19,934	58,709	199,803
Coffee and tea manufacturing	<1	1,005	2,324	10,696
Flavoring syrup and concentrate manufacturing	<1	5,501	59,743	112,226
Mayonnaise, dressing, and sauce manufacturing	<1	5,791	13,885	49,846
Spice and extract manufacturing	<1	9,792	19,556	76,448
All other food manufacturing	<1	16,183	28,375	134,764

Appendix

Bottled and canned soft drinks & water	<1	45,313	93,108	386,447
Manufactured ice	<1	2,988	2,172	8,939
Breweries	<1	35,843	121,434	254,731
Wineries	<1	6,382	17,275	74,181
Distilleries	<1	3,839	52,330	85,409
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	89	116	560
Broadwoven fabric mills	<1	1,893	2,588	9,280
Narrow fabric mills and schiffli machine embroidery	<1	1,349	1,446	4,116
Nonwoven fabric mills	<1	7,296	11,525	49,303
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2,541	3,048	8,240
Fabric coating mills	<1	2,961	3,730	15,055
Carpet and rug mills	<1	3,170	4,528	18,325
Curtain and linen mills	<1	3,461	4,212	13,877
Textile bag and canvas mills	<1	4,424	5,045	14,567
Rope, cordage, twine, tire cord and tire fabric mills	<1	331	443	1,396
Other textile product mills	<1	3,103	3,617	12,154
Hosiery and sock mills	<1	342	499	1,203
Other apparel knitting mills	<1	212	357	823
Cut and sew apparel contractors	<1	661	809	1,815
Mens and boys cut and sew apparel manufacturing	<1	4,474	5,402	14,514
Womens and girls cut and sew apparel manufacturing	<1	197	337	1,370
Other cut and sew apparel manufacturing	<1	848	1,231	4,057
Apparel accessories and other apparel manufacturing	<1	510	748	2,041
Leather and hide tanning and finishing	<1	370	571	2,101
Footwear manufacturing	<1	488	534	1,629
Other leather and allied product manufacturing	<1	1,498	1,604	4,085
Sawmills	<1	29,564	34,027	144,826
Wood preservation	<1	3,699	5,514	26,422
Veneer and plywood manufacturing	<1	15,166	17,345	65,039
Engineered wood member and truss manufacturing	<1	12,158	13,749	45,624
Reconstituted wood product manufacturing	<1	5,900	8,120	37,189
Wood windows and door manufacturing	<1	42,965	48,175	136,153

Appendix

Cut stock, resawing lumber, and planing	<1	9,245	11,200	34,661
Other millwork, including flooring	<1	22,572	26,540	82,089
Wood container and pallet manufacturing	<1	24,275	26,880	74,728
Manufactured home (mobile home) manufacturing	<1	22	23	60
Prefabricated wood building manufacturing	<1	12,810	14,153	38,969
All other miscellaneous wood product manufacturing	<1	9,051	10,230	35,573
Pulp mills	<1	953	1,328	9,792
Paper mills	<1	43,450	79,794	321,709
Paperboard mills	<1	18,869	34,843	159,373
Paperboard container manufacturing	<1	74,696	100,951	480,085
Paper bag and coated and treated paper manufacturing	<1	86,798	132,046	449,102
Stationery product manufacturing	<1	6,451	8,842	42,742
Sanitary paper product manufacturing	<1	22,550	47,783	190,867
All other converted paper product manufacturing	<1	12,378	16,365	59,398
Printing	5	253,289	414,712	841,186
Support activities for printing	<1	11,347	17,397	25,862
Petroleum refineries	<1	154,929	977,848	3,231,479
Asphalt paving mixture and block manufacturing	<1	15,600	24,082	76,023
Asphalt shingle and coating materials manufacturing	<1	10,172	33,854	65,067
Petroleum lubricating oil and grease manufacturing	1	219,652	763,770	1,685,539
All other petroleum and coal products manufacturing	<1	15,079	63,859	126,938
Petrochemical manufacturing	<1	28,475	263,064	1,228,329
Industrial gas manufacturing	<1	20,731	46,447	132,682
Synthetic dye and pigment manufacturing	<1	20,608	42,056	118,000
Other basic inorganic chemical manufacturing	<1	20,095	44,653	153,421
Other basic organic chemical manufacturing	<1	111,502	233,949	1,259,297
Plastics material and resin manufacturing	<1	76,472	129,228	692,475
Synthetic rubber manufacturing	<1	9,445	15,030	75,784
Artificial and synthetic fibers and filaments manufacturing	<1	798	1,233	5,718

Appendix

Nitrogenous fertilizer manufacturing	<1	24,800	61,860	156,425
Phosphatic fertilizer manufacturing	<1	486	1,065	4,413
Fertilizer mixing	<1	2,637	5,352	16,332
Pesticide and other agricultural chemical manufacturing	<1	287	904	4,236
Medicinal and botanical manufacturing	<1	353	604	1,967
Pharmaceutical preparation manufacturing	<1	48,515	174,999	537,758
In-vitro diagnostic substance manufacturing	<1	1,287	1,962	5,861
Biological product (except diagnostic) manufacturing	<1	120	260	690
Paint and coating manufacturing	<1	43,184	85,592	291,059
Adhesive manufacturing	<1	17,252	28,745	108,328
Soap and other detergent manufacturing	<1	147,397	467,613	908,582
Polish and other sanitation good manufacturing	<1	13,914	22,030	69,878
Surface active agent manufacturing	<1	950	3,234	9,481
Toilet preparation manufacturing	<1	29,510	99,174	264,959
Printing ink manufacturing	<1	8,176	9,041	37,396
Explosives manufacturing	<1	510	592	2,104
Custom compounding of purchased resins	<1	39,961	72,991	246,075
Photographic film and chemical manufacturing	<1	7,297	17,348	55,096
Other miscellaneous chemical product manufacturing	<1	50,020	86,334	304,590
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	39,755	65,515	240,707
Unlaminated plastics profile shape manufacturing	<1	12,164	26,335	86,806
Plastics pipe and pipe fitting manufacturing	<1	23,132	61,156	198,931
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10,101	18,724	52,682
Polystyrene foam product manufacturing	<1	15,460	26,083	85,252
Urethane and other foam product (except polystyrene) manufacturing	<1	10,210	16,540	65,764
Plastics bottle manufacturing	<1	18,248	29,227	136,283
Other plastics product manufacturing	3	132,706	192,201	691,162

Appendix

Tire manufacturing	<1	52,180	78,309	291,932
Rubber and plastics hoses and belting manufacturing	<1	12,925	19,234	53,553
Other rubber product manufacturing	<1	48,819	69,092	241,437
Pottery, ceramics, and plumbing fixture manufacturing	<1	7,374	10,336	24,634
Brick, tile, and other structural clay product manufacturing	<1	16,532	27,054	60,713
Flat glass manufacturing	<1	3,242	6,359	15,672
Other pressed and blown glass and glassware manufacturing	<1	23,326	39,027	90,395
Glass container manufacturing	<1	2,893	4,461	11,216
Glass product manufacturing made of purchased glass	<1	19,987	32,681	81,892
Cement manufacturing	<1	8,471	19,081	50,477
Ready-mix concrete manufacturing	<1	48,951	79,362	259,274
Concrete block and brick manufacturing	<1	19,946	34,763	90,494
Concrete pipe manufacturing	<1	2,801	4,571	12,028
Other concrete product manufacturing	<1	53,437	73,133	175,791
Lime manufacturing	<1	3,321	7,071	18,757
Gypsum product manufacturing	<1	5,152	13,116	36,258
Abrasive product manufacturing	<1	9,587	24,744	40,913
Cut stone and stone product manufacturing	<1	9,859	11,544	26,333
Ground or treated mineral and earth manufacturing	<1	1,002	2,523	6,296
Mineral wool manufacturing	<1	12,960	27,415	54,147
Miscellaneous nonmetallic mineral products manufacturing	<1	17,526	47,138	99,254
Iron and steel mills and ferroalloy manufacturing	<1	44,857	99,247	469,118
Iron, steel pipe and tube manufacturing from purchased steel	<1	11,195	22,836	88,622
Rolled steel shape manufacturing	<1	21,533	54,707	191,480
Steel wire drawing	<1	3,845	6,676	29,787
Alumina refining and primary aluminum production	<1	2,156	4,000	44,146
Secondary smelting and alloying of aluminum	<1	1,599	3,265	27,033
Aluminum sheet, plate, and foil manufacturing	<1	8,255	19,398	71,286
Other aluminum rolling, drawing and extruding	<1	6,883	11,223	54,579

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	2,226	12,403	35,611
Copper rolling, drawing, extruding and alloying	<1	32,974	55,061	363,836
Nonferrous metal, except copper and aluminum, shaping	<1	5,514	7,153	23,162
Secondary processing of other nonferrous metals	<1	472	1,165	5,199
Ferrous metal foundries	<1	21,282	37,804	81,905
Nonferrous metal foundries	<1	26,400	41,639	107,996
Custom roll forming	<1	1,057	1,907	10,653
Crown and closure manufacturing and metal stamping	<1	18,360	23,838	67,852
Iron and steel forging	<1	10,854	18,432	58,021
Nonferrous forging	<1	3,926	5,896	14,989
Cutlery, utensil, pot, and pan manufacturing	<1	8,416	23,631	61,418
Handtool manufacturing	<1	16,707	28,051	58,619
Prefabricated metal buildings and components manufacturing	<1	25,438	38,288	121,056
Fabricated structural metal manufacturing	<1	31,745	49,084	159,747
Plate work manufacturing	<1	11,020	12,190	37,833
Metal window and door manufacturing	<1	35,901	50,498	126,974
Sheet metal work manufacturing	<1	17,797	24,364	66,047
Ornamental and architectural metal work manufacturing	<1	19,708	26,432	69,097
Power boiler and heat exchanger manufacturing	<1	2,180	3,140	7,335
Metal tank (heavy gauge) manufacturing	<1	18,733	24,434	66,902
Metal cans manufacturing	<1	10,001	23,781	102,673
Metal barrels, drums and pails manufacturing	<1	3,799	4,832	20,371
Hardware manufacturing	<1	6,104	10,048	32,344
Spring and wire product manufacturing	<1	7,483	10,607	31,706
Machine shops	<1	60,401	75,872	157,276
Turned product and screw, nut, and bolt manufacturing	<1	22,087	33,841	93,163
Metal heat treating	<1	10,810	16,333	42,447
Metal coating and nonprecious engraving	<1	20,659	38,224	87,426
Electroplating, anodizing, and coloring metal	<1	24,427	28,311	63,570
Valve and fittings, other than plumbing, manufacturing	<1	34,443	56,887	151,995

Appendix

Plumbing fixture fitting and trim manufacturing	<1	13,963	40,608	95,287
Ball and roller bearing manufacturing	<1	11,323	21,640	44,352
Small arms ammunition manufacturing	<1	7,072	15,284	38,819
Ammunition, except for small arms, manufacturing	<1	702	866	1,745
Small arms, ordnance, and accessories manufacturing	<1	5,218	10,193	23,150
Fabricated pipe and pipe fitting manufacturing	<1	9,737	12,535	35,505
Other fabricated metal manufacturing	2	134,443	181,960	479,669
Farm machinery and equipment manufacturing	<1	1,362	2,250	7,487
Lawn and garden equipment manufacturing	<1	2,512	4,215	21,978
Construction machinery manufacturing	<1	3,034	6,317	22,139
Mining machinery and equipment manufacturing	<1	317	479	1,381
Oil and gas field machinery and equipment manufacturing	<1	610	955	2,896
Semiconductor machinery manufacturing	<1	65	75	217
Food product machinery manufacturing	<1	460	523	1,578
Sawmill, woodworking, and paper machinery	<1	742	829	2,894
Printing machinery and equipment manufacturing	<1	713	785	2,350
All other industrial machinery manufacturing	<1	2,073	2,553	7,142
Optical instrument and lens manufacturing	<1	123	167	565
Photographic and photocopying equipment manufacturing	<1	10	13	53
Other commercial service industry machinery manufacturing	<1	9,990	15,246	48,256
Air purification and ventilation equipment manufacturing	<1	3,362	4,312	11,837
Heating equipment (except warm air furnaces) manufacturing	<1	6,672	9,604	29,530
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	22,396	37,244	105,073
Industrial mold manufacturing	<1	3,083	3,525	7,543
Special tool, die, jig, and fixture manufacturing	<1	4,926	6,224	11,898

Appendix

Cutting tool and machine tool accessory manufacturing	<1	2,627	2,929	7,172
Machine tool manufacturing	<1	1,346	1,647	4,833
Rolling mill and other metalworking machinery manufacturing	<1	729	848	1,996
Turbine and turbine generator set units manufacturing	<1	113	141	456
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6,936	9,766	29,584
Mechanical power transmission equipment manufacturing	<1	5,149	7,638	19,846
Other engine equipment manufacturing	<1	12,599	24,193	127,134
Pump and pumping equipment manufacturing	<1	3,118	5,068	15,793
Air and gas compressor manufacturing	<1	1,683	2,774	8,337
Elevator and moving stairway manufacturing	<1	210	281	946
Conveyor and conveying equipment manufacturing	<1	1,920	2,142	6,324
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,320	2,355	8,240
Industrial truck, trailer, and stacker manufacturing	<1	6,493	9,813	31,582
Power-driven handtool manufacturing	<1	465	1,091	3,065
Welding and soldering equipment manufacturing	<1	5,869	8,001	22,281
Packaging machinery manufacturing	<1	1,144	1,536	4,012
Industrial process furnace and oven manufacturing	<1	771	893	2,133
Fluid power cylinder and actuator manufacturing	<1	4,493	6,077	16,776
Fluid power pump and motor manufacturing	<1	912	1,367	4,662
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,897	2,257	6,213
Electronic computer manufacturing	<1	46	74	463
Computer storage device manufacturing	<1	28	52	497
Computer terminals and other computer peripheral equipment manufacturing	<1	35,589	48,541	156,661
Telephone apparatus manufacturing	<1	481	664	2,151

Appendix

Broadcast and wireless communications equipment manufacturing	<1	294	378	1,258
Other communications equipment manufacturing	<1	3,151	4,333	13,111
Audio and video equipment manufacturing	<1	130	181	896
Printed circuit assembly (electronic assembly) manufacturing	<1	7,593	10,901	60,481
Bare printed circuit board manufacturing	<1	616	732	2,349
Semiconductor and related device manufacturing	<1	8,493	12,429	52,771
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	760	955	2,816
Electronic connector manufacturing	<1	1,658	2,167	8,070
Other electronic component manufacturing	<1	3,958	4,860	16,194
Electromedical and electrotherapeutic apparatus manufacturing	<1	707	1,018	2,930
Search, detection, and navigation instruments manufacturing	<1	69	89	214
Automatic environmental control manufacturing	<1	11,016	13,268	36,046
Industrial process variable instruments manufacturing	<1	2,654	3,497	9,047
Totalizing fluid meter and counting device manufacturing	<1	845	1,428	3,821
Electricity and signal testing instruments manufacturing	<1	2,789	3,731	18,087
Analytical laboratory instrument manufacturing	1	99,933	140,242	452,457
Irradiation apparatus manufacturing	<1	66	96	297
Watch, clock, and other measuring and controlling device manufacturing	<1	762	1,065	3,309
Blank magnetic and optical recording media manufacturing	<1	830	1,516	6,665
Software and other prerecorded and record reproducing	<1	2,055	2,550	6,845
Electric lamp bulb and part manufacturing	<1	11,662	25,587	60,706
Lighting fixture manufacturing	<1	7,453	12,139	30,061
Small electrical appliance manufacturing	<1	6,527	16,857	58,902

Appendix

Household cooking appliance manufacturing	<1	18,716	47,449	133,320
Household refrigerator and home freezer manufacturing	<1	20,481	54,204	146,138
Household laundry equipment manufacturing	<1	48,021	94,143	338,959
Other major household appliance manufacturing	<1	8,885	25,262	63,389
Power, distribution, and specialty transformer manufacturing	<1	536	900	2,452
Motor and generator manufacturing	<1	9,067	17,074	45,540
Switchgear and switchboard apparatus manufacturing	<1	4,483	8,438	23,792
Relay and industrial control manufacturing	<1	18,697	27,882	61,058
Storage battery manufacturing	<1	12,571	19,887	50,707
Primary battery manufacturing	<1	11,777	16,753	47,877
Fiber optic cable manufacturing	<1	1,601	2,081	8,768
Other communication and energy wire manufacturing	<1	1,516	2,558	8,969
Wiring device manufacturing	<1	10,958	23,862	61,417
Carbon and graphite product manufacturing	<1	14,917	28,007	67,636
All other miscellaneous electrical equipment and component manufacturing	<1	309	381	1,210
Automobile manufacturing	<1	30,785	68,355	334,413
Light truck and utility vehicle manufacturing	<1	46,347	88,661	899,401
Heavy duty truck manufacturing	<1	4,906	9,064	55,537
Motor vehicle body manufacturing	<1	1,701	2,058	8,571
Truck trailer manufacturing	<1	90	111	489
Motor home manufacturing	<1	33,535	46,917	179,855
Travel trailer and camper manufacturing	<1	25,861	28,255	102,761
Motor vehicle gasoline engine and engine parts manufacturing	<1	82,775	109,868	535,722
Motor vehicle electrical and electronic equipment manufacturing	<1	41,032	49,930	300,519
Motor vehicle transmission and power train parts manufacturing	1	163,231	216,891	925,095
Motor vehicle seating and interior trim manufacturing	<1	16,415	19,030	109,281
Motor vehicle metal stamping	1	98,424	113,771	468,770
Other motor vehicle parts manufacturing	1	102,735	130,857	658,003

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	37,728	52,052	253,381
Aircraft manufacturing	<1	3	8	37
Aircraft engine and engine parts manufacturing	<1	10,543	26,586	56,110
Other aircraft parts and auxiliary equipment manufacturing	<1	65,604	116,128	230,579
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	4	7	16
Railroad rolling stock manufacturing	<1	59	79	446
Ship building and repairing	<1	144	198	512
Boat building	<1	1,550	2,331	10,500
Motorcycle, bicycle, and parts manufacturing	<1	2,284	9,800	20,618
Military armored vehicle, tank, and tank component manufacturing	<1	10,368	27,455	78,167
All other transportation equipment manufacturing	<1	886	1,927	8,158
Wood kitchen cabinet and countertop manufacturing	<1	23,371	28,472	68,737
Upholstered household furniture manufacturing	<1	3,093	3,389	11,791
Nonupholstered wood household furniture manufacturing	<1	14,792	16,293	45,713
Other household nonupholstered furniture manufacturing	<1	2,915	3,880	14,454
Institutional furniture manufacturing	<1	2,067	2,176	5,861
Wood office furniture manufacturing	<1	221	265	753
Custom architectural woodwork and millwork	<1	731	680	1,955
Office furniture, except wood, manufacturing	<1	2,198	2,964	10,246
Showcase, partition, shelving, and locker manufacturing	<1	2,811	3,533	9,982
Mattress manufacturing	<1	3,705	5,101	20,839
Blind and shade manufacturing	<1	245	254	908
Surgical and medical instrument manufacturing	<1	6,088	7,803	20,204
Surgical appliance and supplies manufacturing	<1	22,546	29,907	84,756
Dental equipment and supplies manufacturing	<1	424	513	1,265

Appendix

Ophthalmic goods manufacturing	<1	6,547	8,477	19,383
Dental laboratories	<1	6,793	6,917	11,675
Jewelry and silverware manufacturing	<1	8,913	12,439	31,607
Sporting and athletic goods manufacturing	<1	8,813	10,114	32,727
Doll, toy, and game manufacturing	<1	5,294	6,073	21,778
Office supplies (except paper) manufacturing	<1	3,321	3,856	12,927
Sign manufacturing	<1	21,208	17,796	40,263
Gasket, packing, and sealing device manufacturing	<1	8,763	9,375	23,817
Musical instrument manufacturing	<1	2,359	2,385	5,587
Fasteners, buttons, needles, and pins manufacturing	<1	1,458	1,604	3,550
Broom, brush, and mop manufacturing	<1	6,424	6,418	23,714
Burial casket manufacturing	<1	2,560	2,769	6,008
All other miscellaneous manufacturing	<1	17,225	19,912	53,968
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	78,569	164,684	385,598
Wholesale - Professional and commercial equipment and supplies	4	480,265	731,835	1,289,765
Wholesale - Household appliances and electrical and electronic goods	2	156,759	350,773	778,769
Wholesale - Machinery, equipment, and supplies	3	236,863	425,210	739,538
Wholesale - Other durable goods merchant wholesalers	6	430,176	706,606	1,377,581
Wholesale - Drugs and druggists' sundries	2	280,933	759,122	1,480,905
Wholesale - Grocery and related product wholesalers	5	340,756	454,040	881,632
Wholesale - Petroleum and petroleum products	<1	75,637	854,999	1,003,996
Wholesale - Other nondurable goods merchant wholesalers	7	590,212	1,140,703	2,044,057
Wholesale - Wholesale electronic markets and agents and brokers	4	376,455	389,545	457,945
Retail - Motor vehicle and parts dealers	7	370,372	599,934	885,390
Retail - Furniture and home furnishings stores	4	179,803	241,993	400,900
Retail - Electronics and appliance stores	4	236,255	226,563	390,904

Appendix

Retail - Building material and garden equipment and supplies stores	7	301,422	566,342	845,885
Retail - Food and beverage stores	20	519,375	744,861	1,304,046
Retail - Health and personal care stores	9	397,598	503,580	789,855
Retail - Gasoline stores	7	193,607	344,647	654,826
Retail - Clothing and clothing accessories stores	9	281,678	429,041	844,139
Retail - Sporting goods, hobby, musical instrument and book stores	6	161,734	216,579	358,862
Retail - General merchandise stores	21	583,649	911,695	1,520,487
Retail - Miscellaneous store retailers	13	285,527	360,116	611,261
Retail - Nonstore retailers	14	418,269	1,330,559	2,508,733
Air transportation	3	374,545	551,465	1,015,416
Rail transportation	<1	113,485	252,520	450,589
Water transportation	<1	21,656	33,014	148,035
Truck transportation	16	1,043,025	1,273,586	2,480,744
Transit and ground passenger transportation	11	132,508	165,453	283,326
Pipeline transportation	<1	615,685	531,819	585,259
Scenic and sightseeing transportation and support activities for transportation	7	657,375	700,192	1,239,358
Couriers and messengers	8	283,827	373,859	674,758
Warehousing and storage	12	529,152	598,709	1,107,546
Newspaper publishers	2	93,502	181,894	220,022
Periodical publishers	<1	85,613	153,424	222,050
Book publishers	<1	47,226	178,793	267,396
Directory, mailing list, and other publishers	<1	14,842	49,116	66,898
Greeting card publishing	<1	6,833	22,088	28,168
Software publishers	9	1,014,196	2,728,627	3,023,135
Motion picture and video industries	2	66,745	118,020	392,300
Sound recording industries	<1	5,693	31,528	69,378
Radio and television broadcasting	2	198,690	270,561	814,570
Cable and other subscription programming	<1	1,563	11,925	32,647
Wired telecommunications carriers	4	364,481	1,059,893	1,856,281
Wireless telecommunications carriers (except satellite)	<1	33,419	317,369	776,774

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	60,091	108,462	266,648
Data processing, hosting, and related services	3	262,828	453,029	1,448,316
News syndicates, libraries, archives and all other information services	<1	24,312	35,929	76,157
Internet publishing and broadcasting and web search portals	2	244,418	504,403	2,347,575
Nondepository credit intermediation and related activities	7	622,603	986,912	1,563,592
Securities and commodity contracts intermediation and brokerage	13	789,261	740,507	1,647,610
Monetary authorities and depository credit intermediation	17	1,524,991	7,985,481	10,560,595
Other financial investment activities	10	516,391	686,643	2,027,216
Direct life insurance carriers	4	397,550	865,059	1,235,652
Insurance carriers, except direct life	11	1,067,091	4,094,313	7,485,351
Insurance agencies, brokerages, and related activities	9	683,157	1,253,013	2,778,343
Funds, trusts, and other financial vehicles	4	148,309	182,485	1,136,123
Other real estate	63	1,036,475	4,059,308	11,404,312
Tenant-occupied housing	9	140,463	2,150,129	2,537,643
Owner-occupied dwellings	0	0	7,208,497	9,150,869
Automotive equipment rental and leasing	3	162,371	442,752	634,255
General and consumer goods rental except video tapes and discs	2	134,345	180,379	308,690
Video tape and disc rental	<1	36,377	61,996	97,484
Commercial and industrial machinery and equipment rental and leasing	2	201,468	500,659	726,914
Lessors of nonfinancial intangible assets	<1	18,153	373,837	433,218
Legal services	18	1,430,742	2,375,497	3,388,671
Accounting, tax preparation, bookkeeping, and payroll services	12	904,605	1,110,374	1,661,190
Architectural, engineering, and related services	11	869,917	926,635	1,678,633
Specialized design services	2	139,916	197,002	295,860
Custom computer programming services	6	519,650	558,201	807,542

Appendix

Computer systems design services	5	476,235	442,842	584,386
Other computer related services, including facilities management	2	159,027	234,080	444,903
Management consulting services	130	11,251,111	11,614,287	18,656,385
Environmental and other technical consulting services	2	177,442	184,567	284,546
Scientific research and development services	224	17,318,941	23,232,952	47,422,392
Advertising, public relations, and related services	8	469,143	591,723	1,172,772
Photographic services	<1	31,688	66,795	137,016
Veterinary services	3	132,033	154,518	249,717
Marketing research and all other miscellaneous professional, scientific, and technical services	7	523,836	852,061	1,672,806
Management of companies and enterprises	30	3,943,281	4,557,957	7,327,918
Office administrative services	11	686,615	290,406	712,031
Facilities support services	2	71,051	106,323	237,821
Employment services	65	2,251,121	3,265,763	5,162,560
Business support services	13	597,361	508,950	901,952
Travel arrangement and reservation services	2	76,840	101,767	244,484
Investigation and security services	7	246,238	248,420	378,667
Services to buildings	12	339,487	482,833	924,258
Landscape and horticultural services	8	328,796	415,935	729,248
Other support services	3	155,611	202,717	397,081
Waste management and remediation services	3	253,031	444,537	783,772
Elementary and secondary schools	10	349,697	301,177	373,378
Junior colleges, colleges, universities, and professional schools	34	1,388,121	1,884,378	2,592,892
Other educational services	5	177,663	199,324	409,924
Offices of physicians	28	3,117,887	3,279,664	4,546,067
Offices of dentists	8	518,650	673,779	958,514
Offices of other health practitioners	8	423,162	647,670	873,295
Outpatient care centers	8	510,905	475,911	869,648
Medical and diagnostic laboratories	2	132,179	200,825	292,363
Home health care services	19	686,852	663,838	899,668
Other ambulatory health care services	3	137,159	155,868	268,587

Appendix

Hospitals	56	4,238,047	4,983,872	9,958,227
Nursing and community care facilities	18	672,933	767,581	1,399,182
Residential mental retardation, mental health, substance abuse and other facilities	8	277,673	304,361	501,381
Individual and family services	21	658,527	568,129	840,761
Child day care services	9	239,607	343,746	479,645
Community food, housing, and other relief services, including rehabilitation services	6	175,468	172,698	414,652
Performing arts companies	2	45,663	78,658	131,564
Commercial Sports Except Racing	7	274,554	222,445	351,042
Racing and Track Operation	<1	9,893	19,900	34,132
Independent artists, writers, and performers	<1	22,463	119,041	156,125
Promoters of performing arts and sports and agents for public figures	4	107,246	266,961	446,000
Museums, historical sites, zoos, and parks	2	60,259	83,822	148,647
Amusement parks and arcades	1	49,729	72,148	100,008
Gambling industries (except casino hotels)	4	160,839	433,204	640,312
Other amusement and recreation industries	5	183,076	192,896	331,431
Fitness and recreational sports centers	4	126,203	146,914	243,487
Bowling centers	<1	26,178	32,998	59,161
Hotels and motels, including casino hotels	5	153,270	271,483	465,652
Other accommodations	2	63,234	85,242	118,110
Full-service restaurants	47	1,068,612	1,560,636	2,835,805
Limited-service restaurants	38	730,017	1,177,500	2,735,721
All other food and drinking places	26	686,528	926,813	1,490,462
Automotive repair and maintenance, except car washes	15	773,448	960,172	1,407,755
Car washes	8	376,873	611,794	924,223
Electronic and precision equipment repair and maintenance	22	1,482,732	1,825,498	2,952,770
Commercial and industrial machinery and equipment repair and maintenance	5	365,388	353,401	532,879
Personal and household goods repair and maintenance	2	84,506	168,245	240,370
Personal care services	11	310,687	286,265	385,126
Death care services	2	79,456	57,782	81,971

Appendix

Dry-cleaning and laundry services	5	189,947	130,002	170,642
Other personal services	6	171,803	218,834	324,829
Religious organizations	23	954,397	612,365	1,972,388
Grantmaking, giving, and social advocacy organizations	3	132,958	482,400	731,713
Business and professional associations	2	136,482	259,006	449,661
Labor and civic organizations	7	144,568	469,684	901,804
Private households	6	79,315	79,315	79,315
Postal service	5	454,406	454,566	485,134
Federal electric utilities	0	0	0	0
Other federal government enterprises	4	291,452	-141,020	412,886
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	36,978	42,034	92,335
Local government passenger transit	2	119,471	-85,048	94,332
Local government electric utilities	<1	19,550	54,472	112,451
Other local government enterprises	4	344,359	682,224	1,354,954
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	245	40,394,404	52,102,778	119,196,992

Oklahoma

NASA

Table 733: Detailed NASA Impacts by Types of Impact, Oklahoma

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>802</i>	<i>48,945,538</i>	<i>71,064,520</i>	<i>157,737,987</i>
Oilseed farming	<1	2,588	15,680	27,103
Grain farming	<1	13,026	9,197	148,289
Vegetable and melon farming	<1	856	2,259	5,445
Fruit farming	<1	180	535	939
Tree nut farming	<1	1,656	5,156	8,941
Greenhouse, nursery, and floriculture production	<1	4,603	8,359	22,017
Tobacco farming	0	0	0	0
Cotton farming	<1	2,061	3,502	9,387
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	2	7,000	11,450	33,771
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	10,096	37,305	150,603
Dairy cattle and milk production	<1	1,349	3,938	27,826
Poultry and egg production	<1	1,204	2,414	35,308
Animal production, except cattle and poultry and eggs	2	31,315	135,989	225,035
Forestry, forest products, and timber tract production	<1	1,274	1,448	2,018
Commercial logging	<1	3,712	4,248	9,012
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	58	3,189	3,508
Support activities for agriculture and forestry	2	48,158	48,624	63,082
Oil and gas extraction	4	300,559	1,054,164	2,232,678
Coal mining	<1	129,281	86,784	124,895
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	82,917	23,490	102,224
Sand and gravel mining	<1	59,194	42,163	72,508

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Other clay, ceramic, refractory minerals mining	<1	826	454	920
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	12,184	6,507	11,681
Drilling oil and gas wells	<1	106	242	548
Support activities for oil and gas operations	<1	5,807	8,999	19,122
Metal mining services	<1	9,424	36,906	92,269
Other nonmetallic minerals services	<1	1,164	4,470	10,192
Electric power generation - Hydroelectric	<1	577	1,395	3,996
Electric power generation - Fossil fuel	<1	103,645	284,328	933,169
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	113	314	979
Electric power generation - Wind	<1	7,628	44,672	119,612
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	1	139,800	373,839	1,255,662
Natural gas distribution	<1	99,437	201,416	424,503
Water, sewage and other systems	<1	2,223	3,763	8,373
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	40	2,404,682	2,540,683	5,954,934
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	131,840	153,943	440,819
Maintenance and repair construction of residential structures	1	51,897	62,529	173,777
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	45	54	152
Dog and cat food manufacturing	<1	5,802	16,987	59,594
Other animal food manufacturing	<1	4,321	7,243	63,537
Flour milling	<1	2,925	5,492	32,479
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	660	3,489	25,421
Fats and oils refining and blending	<1	133	262	2,055
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	25	39	194
Chocolate and confectionery manufacturing from cacao beans	<1	50	76	406
Confectionery manufacturing from purchased chocolate	<1	4	6	31
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	388	545	2,678
Canned fruits and vegetables manufacturing	<1	243	495	2,275
Canned specialties	<1	1,240	3,083	16,558
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	281	410	4,417
Dry, condensed, and evaporated dairy product manufacturing	<1	398	952	5,988
Fluid milk manufacturing	<1	5,723	9,189	68,105
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	571	796	3,733
Frozen cakes and other pastries manufacturing	<1	4,049	5,688	10,306

Appendix

Poultry processing	<1	7,688	9,638	46,825
Animal, except poultry, slaughtering	<1	10,894	13,640	112,621
Meat processed from carcasses	<1	21,574	20,466	161,325
Rendering and meat byproduct processing	<1	287	281	1,522
Seafood product preparation and packaging	<1	32	40	239
Bread and bakery product, except frozen, manufacturing	<1	16,866	23,615	53,727
Cookie and cracker manufacturing	<1	5,103	7,422	27,634
Dry pasta, mixes, and dough manufacturing	<1	1,432	3,182	12,969
Tortilla manufacturing	<1	569	717	3,794
Roasted nuts and peanut butter manufacturing	<1	1,247	1,686	8,351
Other snack food manufacturing	<1	1,062	1,318	7,586
Coffee and tea manufacturing	<1	131	244	1,622
Flavoring syrup and concentrate manufacturing	<1	78	594	1,108
Mayonnaise, dressing, and sauce manufacturing	<1	117	227	1,108
Spice and extract manufacturing	<1	74	123	753
All other food manufacturing	<1	1,856	2,739	11,311
Bottled and canned soft drinks & water	<1	13,297	22,938	120,998
Manufactured ice	<1	761	425	2,075
Breweries	<1	1,983	4,889	18,274
Wineries	<1	348	626	4,044
Distilleries	<1	780	3,651	7,926
Tobacco product manufacturing	<1	2,803	61,378	97,201
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	50	111	380
Narrow fabric mills and schiffli machine embroidery	<1	15	17	95
Nonwoven fabric mills	<1	112	290	991
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	147	231	1,093
Fabric coating mills	<1	123	202	847
Carpet and rug mills	<1	1,985	4,595	16,099
Curtain and linen mills	<1	308	473	1,613
Textile bag and canvas mills	<1	319	436	1,257
Rope, cordage, twine, tire cord and tire fabric mills	<1	166	330	914
Other textile product mills	<1	458	632	2,129
Hosiery and sock mills	<1	24	46	120

Appendix

Other apparel knitting mills	<1	30	54	144
Cut and sew apparel contractors	<1	1,174	1,192	2,833
Mens and boys cut and sew apparel manufacturing	<1	95	110	387
Womens and girls cut and sew apparel manufacturing	<1	139	154	743
Other cut and sew apparel manufacturing	<1	135	151	579
Apparel accessories and other apparel manufacturing	<1	67	82	292
Leather and hide tanning and finishing	<1	10	10	139
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	79	80	312
Sawmills	<1	11,408	15,384	51,471
Wood preservation	<1	505	1,039	5,893
Veneer and plywood manufacturing	<1	2,757	3,568	11,261
Engineered wood member and truss manufacturing	<1	2,140	2,862	9,579
Reconstituted wood product manufacturing	<1	5,304	9,763	34,478
Wood windows and door manufacturing	<1	2,330	2,918	8,018
Cut stock, resawing lumber, and planing	<1	102	151	464
Other millwork, including flooring	<1	3,258	4,574	14,076
Wood container and pallet manufacturing	<1	4,637	5,746	15,403
Manufactured home (mobile home) manufacturing	<1	50	58	165
Prefabricated wood building manufacturing	<1	2,854	3,563	11,242
All other miscellaneous wood product manufacturing	<1	809	1,047	3,143
Pulp mills	0	0	0	0
Paper mills	<1	22,801	76,563	208,112
Paperboard mills	<1	1,530	5,586	15,683
Paperboard container manufacturing	<1	6,608	13,189	47,879
Paper bag and coated and treated paper manufacturing	<1	2,162	5,660	16,906
Stationery product manufacturing	<1	1,007	1,941	7,920
Sanitary paper product manufacturing	<1	510	2,526	6,362
All other converted paper product manufacturing	<1	226	423	1,355

Appendix

Printing	1	45,326	62,610	159,537
Support activities for printing	<1	161	207	489
Petroleum refineries	<1	145,105	279,316	1,851,671
Asphalt paving mixture and block manufacturing	<1	10,627	12,014	43,762
Asphalt shingle and coating materials manufacturing	<1	8,725	12,379	30,518
Petroleum lubricating oil and grease manufacturing	<1	36,365	43,668	100,652
All other petroleum and coal products manufacturing	<1	18,474	28,251	79,298
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	12,022	19,687	92,571
Synthetic dye and pigment manufacturing	<1	42	68	378
Other basic inorganic chemical manufacturing	<1	3,995	7,007	32,657
Other basic organic chemical manufacturing	<1	523	872	9,555
Plastics material and resin manufacturing	<1	706	1,004	10,328
Synthetic rubber manufacturing	<1	911	1,200	6,887
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	11,613	22,204	81,318
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	107	173	664
Pesticide and other agricultural chemical manufacturing	<1	839	1,925	14,434
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	3,109	7,768	31,483
In-vitro diagnostic substance manufacturing	<1	286	361	1,064
Biological product (except diagnostic) manufacturing	<1	185	306	858
Paint and coating manufacturing	<1	4,291	6,777	37,291
Adhesive manufacturing	<1	814	1,114	5,621
Soap and other detergent manufacturing	<1	473	1,113	6,017
Polish and other sanitation good manufacturing	<1	1,281	1,703	7,088
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	248	597	2,842
Printing ink manufacturing	<1	72	76	351

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	396	629	4,416
Photographic film and chemical manufacturing	<1	4,383	7,779	33,519
Other miscellaneous chemical product manufacturing	<1	12,959	18,132	82,008
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	6,468	10,016	41,740
Unlaminated plastics profile shape manufacturing	<1	675	1,319	4,425
Plastics pipe and pipe fitting manufacturing	<1	14,174	33,664	128,516
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	387	654	2,114
Polystyrene foam product manufacturing	<1	2,984	4,846	23,120
Urethane and other foam product (except polystyrene) manufacturing	<1	1,458	2,236	10,184
Plastics bottle manufacturing	<1	500	761	3,573
Other plastics product manufacturing	<1	7,529	10,459	37,025
Tire manufacturing	<1	27,729	40,034	159,741
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	6,564	9,064	39,236
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,626	5,770	13,359
Brick, tile, and other structural clay product manufacturing	<1	9,049	18,092	43,141
Flat glass manufacturing	<1	2,312	5,676	11,929
Other pressed and blown glass and glassware manufacturing	<1	843	1,704	3,656
Glass container manufacturing	<1	2,224	4,094	9,442
Glass product manufacturing made of purchased glass	<1	4,382	8,639	20,580
Cement manufacturing	<1	8,544	24,876	57,757
Ready-mix concrete manufacturing	<1	42,172	81,843	245,379
Concrete block and brick manufacturing	<1	11,926	25,280	63,060
Concrete pipe manufacturing	<1	8,492	16,141	38,591
Other concrete product manufacturing	<1	25,698	39,500	100,220
Lime manufacturing	<1	2,427	7,042	17,443
Gypsum product manufacturing	<1	6,165	19,982	50,083

Appendix

Abrasive product manufacturing	<1	129	431	918
Cut stone and stone product manufacturing	<1	3,615	4,541	10,238
Ground or treated mineral and earth manufacturing	<1	144	476	1,322
Mineral wool manufacturing	<1	541	1,538	4,469
Miscellaneous nonmetallic mineral products manufacturing	<1	8,394	29,111	60,743
Iron and steel mills and ferroalloy manufacturing	<1	6,480	9,038	100,478
Iron, steel pipe and tube manufacturing from purchased steel	<1	10,592	13,295	80,696
Rolled steel shape manufacturing	<1	506	722	4,914
Steel wire drawing	<1	5,108	5,532	36,307
Alumina refining and primary aluminum production	<1	167	207	1,907
Secondary smelting and alloying of aluminum	<1	60	84	1,049
Aluminum sheet, plate, and foil manufacturing	<1	682	984	7,100
Other aluminum rolling, drawing and extruding	<1	164	194	1,537
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	254	303	3,694
Nonferrous metal, except copper and aluminum, shaping	<1	139	152	766
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	4,956	5,605	19,658
Nonferrous metal foundries	<1	1,323	1,579	5,612
Custom roll forming	<1	53	87	494
Crown and closure manufacturing and metal stamping	<1	836	1,041	2,783
Iron and steel forging	<1	459	732	3,092
Nonferrous forging	<1	1,104	1,568	6,016
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	542	875	2,058
Prefabricated metal buildings and components manufacturing	<1	38,565	52,842	169,337
Fabricated structural metal manufacturing	<1	28,475	41,031	127,234
Plate work manufacturing	<1	7,593	8,224	23,666
Metal window and door manufacturing	<1	11,629	15,556	48,127
Sheet metal work manufacturing	<1	5,579	7,264	19,748

Appendix

Ornamental and architectural metal work manufacturing	<1	12,880	16,404	42,713
Power boiler and heat exchanger manufacturing	<1	2,152	3,129	7,977
Metal tank (heavy gauge) manufacturing	<1	9,288	11,607	32,025
Metal cans manufacturing	<1	168	367	1,619
Metal barrels, drums and pails manufacturing	<1	84	103	381
Hardware manufacturing	<1	381	585	1,945
Spring and wire product manufacturing	2	114,113	153,517	481,249
Machine shops	<1	23,118	28,043	61,360
Turned product and screw, nut, and bolt manufacturing	<1	2,870	4,154	13,025
Metal heat treating	<1	1,342	1,916	4,873
Metal coating and nonprecious engraving	<1	9,177	15,784	41,947
Electroplating, anodizing, and coloring metal	<1	7,078	7,994	17,936
Valve and fittings, other than plumbing, manufacturing	<1	15,240	23,814	66,175
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	27,662	49,117	130,945
Small arms ammunition manufacturing	<1	187	379	842
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	269	491	1,101
Fabricated pipe and pipe fitting manufacturing	<1	7,152	8,720	22,338
Other fabricated metal manufacturing	<1	7,178	9,259	25,677
Farm machinery and equipment manufacturing	<1	290	418	2,173
Lawn and garden equipment manufacturing	<1	409	598	4,292
Construction machinery manufacturing	<1	2,630	4,498	16,283
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	3,453	4,655	18,506
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	8	8	31

Appendix

Sawmill, woodworking, and paper machinery	<1	19	21	66
Printing machinery and equipment manufacturing	<1	11	12	49
All other industrial machinery manufacturing	<1	43	50	131
Optical instrument and lens manufacturing	<1	3	4	11
Photographic and photocopying equipment manufacturing	<1	64	76	323
Other commercial service industry machinery manufacturing	<1	5,147	7,159	22,775
Air purification and ventilation equipment manufacturing	<1	918	1,115	3,979
Heating equipment (except warm air furnaces) manufacturing	<1	1,807	2,282	5,665
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	14,429	21,143	81,169
Industrial mold manufacturing	<1	838	911	2,155
Special tool, die, jig, and fixture manufacturing	<1	75	87	199
Cutting tool and machine tool accessory manufacturing	<1	89	95	290
Machine tool manufacturing	<1	172	196	746
Rolling mill and other metalworking machinery manufacturing	<1	59	65	162
Turbine and turbine generator set units manufacturing	<1	59	69	290
Speed changer, industrial high-speed drive, and gear manufacturing	<1	13	17	65
Mechanical power transmission equipment manufacturing	<1	31	42	130
Other engine equipment manufacturing	<1	816	1,309	5,044
Pump and pumping equipment manufacturing	<1	5,219	7,519	23,440
Air and gas compressor manufacturing	<1	182	274	1,049
Elevator and moving stairway manufacturing	<1	103	124	420
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	634	786	3,266
Industrial truck, trailer, and stacker manufacturing	<1	91	124	464

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Power-driven handtool manufacturing	<1	62	119	520
Welding and soldering equipment manufacturing	<1	32	39	163
Packaging machinery manufacturing	<1	6	7	24
Industrial process furnace and oven manufacturing	<1	810	873	1,867
Fluid power cylinder and actuator manufacturing	<1	317	392	1,515
Fluid power pump and motor manufacturing	<1	3,761	4,964	19,234
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	337	380	1,371
Electronic computer manufacturing	<1	15	29	130
Computer storage device manufacturing	<1	302	728	3,262
Computer terminals and other computer peripheral equipment manufacturing	<1	7	11	52
Telephone apparatus manufacturing	<1	62	94	343
Broadcast and wireless communications equipment manufacturing	<1	744	1,131	3,729
Other communications equipment manufacturing	<1	73	119	461
Audio and video equipment manufacturing	<1	75	125	580
Printed circuit assembly (electronic assembly) manufacturing	<1	157	273	1,600
Bare printed circuit board manufacturing	<1	39	50	143
Semiconductor and related device manufacturing	<1	164	269	729
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	171	254	733
Other electronic component manufacturing	<1	123	163	498
Electromedical and electrotherapeutic apparatus manufacturing	<1	29	54	143
Search, detection, and navigation instruments manufacturing	<1	104	178	418
Automatic environmental control manufacturing	<1	700	919	1,938

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Industrial process variable instruments manufacturing	<1	1,204	1,861	4,650
Totalizing fluid meter and counting device manufacturing	<1	470	984	2,363
Electricity and signal testing instruments manufacturing	<1	29	45	186
Analytical laboratory instrument manufacturing	<1	47,897	80,339	138,356
Irradiation apparatus manufacturing	<1	5	9	18
Watch, clock, and other measuring and controlling device manufacturing	<1	40	73	218
Blank magnetic and optical recording media manufacturing	<1	109	314	1,709
Software and other prerecorded and record reproducing	<1	186	265	723
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	32	43	206
Small electrical appliance manufacturing	<1	314	574	2,144
Household cooking appliance manufacturing	<1	1,334	2,456	10,027
Household refrigerator and home freezer manufacturing	<1	1,468	2,793	10,953
Household laundry equipment manufacturing	<1	3,299	5,012	25,728
Other major household appliance manufacturing	<1	832	1,632	6,010
Power, distribution, and specialty transformer manufacturing	<1	12	16	58
Motor and generator manufacturing	<1	1,547	2,368	8,704
Switchgear and switchboard apparatus manufacturing	<1	469	712	1,748
Relay and industrial control manufacturing	<1	667	845	2,300
Storage battery manufacturing	<1	898	1,173	3,835
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	180	213	994
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	424	701	2,095
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	12,838	13,943	37,685
Automobile manufacturing	<1	430	2,242	8,030

Appendix

Light truck and utility vehicle manufacturing	<1	308	859	9,096
Heavy duty truck manufacturing	<1	696	2,431	12,862
Motor vehicle body manufacturing	<1	167	262	1,087
Truck trailer manufacturing	<1	70	102	539
Motor home manufacturing	<1	5,393	9,743	40,051
Travel trailer and camper manufacturing	<1	4,518	5,211	27,869
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,026	1,864	10,889
Motor vehicle electrical and electronic equipment manufacturing	<1	1,200	1,808	10,345
Motor vehicle transmission and power train parts manufacturing	<1	7,549	13,954	75,098
Motor vehicle seating and interior trim manufacturing	<1	81	105	822
Motor vehicle metal stamping	<1	592	804	4,002
Other motor vehicle parts manufacturing	<1	5,202	8,233	40,594
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,417	2,829	13,604
Aircraft manufacturing	<1	858	827	4,947
Aircraft engine and engine parts manufacturing	28	3,653,181	4,913,585	17,382,220
Other aircraft parts and auxiliary equipment manufacturing	9	804,231	864,342	2,658,301
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	7	800,758	998,053	2,431,321
Railroad rolling stock manufacturing	<1	48	48	323
Ship building and repairing	0	0	0	0
Boat building	<1	4,431	4,955	23,854
Motorcycle, bicycle, and parts manufacturing	<1	61	82	602
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	242	306	2,630
Wood kitchen cabinet and countertop manufacturing	<1	3,418	4,600	12,872
Upholstered household furniture manufacturing	<1	740	837	3,147

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Nonupholstered wood household furniture manufacturing	<1	68	81	311
Other household nonupholstered furniture manufacturing	<1	259	405	1,817
Institutional furniture manufacturing	<1	8	9	51
Wood office furniture manufacturing	<1	367	512	1,582
Custom architectural woodwork and millwork	<1	500	469	1,742
Office furniture, except wood, manufacturing	<1	111	192	903
Showcase, partition, shelving, and locker manufacturing	<1	148	213	802
Mattress manufacturing	<1	654	1,195	4,666
Blind and shade manufacturing	<1	4	5	23
Surgical and medical instrument manufacturing	<1	918	1,510	4,682
Surgical appliance and supplies manufacturing	<1	650	1,132	3,088
Dental equipment and supplies manufacturing	<1	5	8	26
Ophthalmic goods manufacturing	<1	14	24	67
Dental laboratories	<1	490	502	1,044
Jewelry and silverware manufacturing	<1	1,078	1,695	5,527
Sporting and athletic goods manufacturing	<1	79	104	556
Doll, toy, and game manufacturing	<1	21	30	110
Office supplies (except paper) manufacturing	<1	38	52	228
Sign manufacturing	<1	3,388	2,899	9,144
Gasket, packing, and sealing device manufacturing	<1	705	835	2,605
Musical instrument manufacturing	<1	225	237	752
Fasteners, buttons, needles, and pins manufacturing	<1	542	679	2,149
Broom, brush, and mop manufacturing	<1	653	876	3,199
Burial casket manufacturing	<1	147	176	487
All other miscellaneous manufacturing	<1	5,203	6,606	19,771
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	31,996	63,933	154,640
Wholesale - Professional and commercial equipment and supplies	<1	88,080	132,918	245,596

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Wholesale - Household appliances and electrical and electronic goods	<1	48,636	102,187	251,348
Wholesale - Machinery, equipment, and supplies	2	137,275	232,465	417,466
Wholesale - Other durable goods merchant wholesalers	2	165,272	254,967	522,015
Wholesale - Drugs and druggists' sundries	<1	69,326	175,606	349,878
Wholesale - Grocery and related product wholesalers	1	92,206	118,862	246,981
Wholesale - Petroleum and petroleum products	<1	47,789	333,045	424,349
Wholesale - Other nondurable goods merchant wholesalers	3	190,604	351,942	746,962
Wholesale - Wholesale electronic markets and agents and brokers	2	124,938	128,956	160,566
Retail - Motor vehicle and parts dealers	2	120,227	190,895	291,219
Retail - Furniture and home furnishings stores	2	70,734	86,132	141,184
Retail - Electronics and appliance stores	1	61,477	65,639	119,608
Retail - Building material and garden equipment and supplies stores	4	170,769	306,280	456,972
Retail - Food and beverage stores	4	162,159	205,860	333,011
Retail - Health and personal care stores	3	134,689	166,609	261,275
Retail - Gasoline stores	2	61,068	104,834	211,818
Retail - Clothing and clothing accessories stores	3	59,803	97,162	225,192
Retail - Sporting goods, hobby, musical instrument and book stores	2	47,266	60,862	109,359
Retail - General merchandise stores	7	206,416	289,617	495,897
Retail - Miscellaneous store retailers	5	95,033	114,950	212,135
Retail - Nonstore retailers	5	50,671	204,162	646,249
Air transportation	<1	61,669	219,191	323,920
Rail transportation	<1	32,549	160,197	210,896
Water transportation	<1	-42	-29	6,174
Truck transportation	4	301,653	353,897	684,076
Transit and ground passenger transportation	2	12,026	21,863	47,409
Pipeline transportation	<1	501,769	443,913	436,557
Scenic and sightseeing transportation and support activities for transportation	3	201,070	223,324	468,772

Appendix

Couriers and messengers	2	70,922	100,413	172,804
Warehousing and storage	4	164,428	181,345	370,550
Newspaper publishers	<1	32,837	102,048	117,920
Periodical publishers	<1	43,309	117,326	149,347
Book publishers	<1	3,873	26,889	31,402
Directory, mailing list, and other publishers	<1	14,101	86,306	104,232
Greeting card publishing	<1	762	4,610	5,360
Software publishers	<1	45,421	188,158	199,455
Motion picture and video industries	<1	17,490	32,954	135,584
Sound recording industries	<1	979	6,564	18,660
Radio and television broadcasting	1	287,306	323,639	651,885
Cable and other subscription programming	<1	19,100	64,934	133,142
Wired telecommunications carriers	1	136,614	326,726	593,292
Wireless telecommunications carriers (except satellite)	<1	27,817	216,521	563,432
Satellite, telecommunications resellers, and all other telecommunications	<1	26,492	40,178	109,271
Data processing, hosting, and related services	<1	51,950	98,469	361,777
News syndicates, libraries, archives and all other information services	<1	4,100	6,945	18,701
Internet publishing and broadcasting and web search portals	<1	38,208	95,317	389,167
Nondepository credit intermediation and related activities	2	113,030	138,753	291,758
Securities and commodity contracts intermediation and brokerage	3	107,401	99,210	330,017
Monetary authorities and depository credit intermediation	9	687,070	1,414,156	3,006,316
Other financial investment activities	4	103,746	140,007	640,306
Direct life insurance carriers	1	85,719	176,870	278,220
Insurance carriers, except direct life	2	137,246	474,096	1,110,281
Insurance agencies, brokerages, and related activities	4	237,410	378,559	1,075,729
Funds, trusts, and other financial vehicles	2	62,564	90,107	485,623
Other real estate	40	626,772	2,313,820	7,040,439
Tenant-occupied housing	2	30,991	607,123	695,802

Appendix

Owner-occupied dwellings	0	0	2,335,296	2,964,556
Automotive equipment rental and leasing	1	51,061	133,062	212,032
General and consumer goods rental except video tapes and discs	<1	41,296	53,810	101,479
Video tape and disc rental	<1	10,162	17,334	28,416
Commercial and industrial machinery and equipment rental and leasing	1	97,822	239,819	354,809
Lessors of nonfinancial intangible assets	<1	5,056	99,642	126,256
Legal services	15	1,052,846	1,392,400	2,252,001
Accounting, tax preparation, bookkeeping, and payroll services	7	456,096	562,805	866,690
Architectural, engineering, and related services	6	424,059	459,658	876,532
Specialized design services	<1	6,976	10,651	19,138
Custom computer programming services	<1	62,725	69,182	103,199
Computer systems design services	<1	54,776	51,082	70,174
Other computer related services, including facilities management	2	119,223	154,504	359,583
Management consulting services	10	639,141	666,452	1,187,583
Environmental and other technical consulting services	2	156,647	164,198	268,380
Scientific research and development services	237	16,739,988	21,443,924	47,068,718
Advertising, public relations, and related services	3	156,329	200,689	422,062
Photographic services	<1	7,171	15,989	35,255
Veterinary services	<1	37,543	44,554	75,679
Marketing research and all other miscellaneous professional, scientific, and technical services	4	276,963	445,653	857,065
Management of companies and enterprises	12	1,209,286	1,451,350	2,542,148
Office administrative services	5	264,749	88,912	277,822
Facilities support services	<1	37,774	54,235	124,387
Employment services	33	1,297,132	1,836,031	2,818,136
Business support services	6	244,585	202,462	374,619
Travel arrangement and reservation services	<1	32,546	42,012	112,858
Investigation and security services	3	113,696	112,765	167,554
Services to buildings	5	126,277	174,341	342,724
Landscape and horticultural services	3	108,350	134,935	248,538

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Other support services	3	108,556	138,931	279,601
Waste management and remediation services	<1	54,051	99,117	193,320
Elementary and secondary schools	2	73,740	63,183	75,957
Junior colleges, colleges, universities, and professional schools	26	830,642	1,138,519	1,684,960
Other educational services	2	59,586	66,836	130,884
Offices of physicians	7	782,280	821,482	1,145,115
Offices of dentists	3	170,252	212,147	302,061
Offices of other health practitioners	2	129,223	185,748	252,921
Outpatient care centers	3	186,262	172,135	302,406
Medical and diagnostic laboratories	<1	59,135	84,455	125,813
Home health care services	2	100,298	96,739	126,843
Other ambulatory health care services	1	49,347	55,345	99,377
Hospitals	14	1,141,260	1,290,832	2,540,838
Nursing and community care facilities	5	192,195	214,821	396,015
Residential mental retardation, mental health, substance abuse and other facilities	2	53,376	57,756	98,791
Individual and family services	6	160,919	147,391	218,710
Child day care services	2	54,049	86,344	120,302
Community food, housing, and other relief services, including rehabilitation services	1	33,873	35,708	88,713
Performing arts companies	<1	22,229	37,424	63,042
Commercial Sports Except Racing	3	71,863	55,044	106,425
Racing and Track Operation	<1	4,578	12,854	21,162
Independent artists, writers, and performers	<1	13,983	68,961	92,715
Promoters of performing arts and sports and agents for public figures	<1	8,483	20,872	42,077
Museums, historical sites, zoos, and parks	<1	11,384	15,261	26,527
Amusement parks and arcades	<1	3,163	12,863	17,809
Gambling industries (except casino hotels)	<1	15,390	53,425	83,559
Other amusement and recreation industries	1	23,181	35,672	66,195
Fitness and recreational sports centers	1	21,440	40,032	72,716
Bowling centers	<1	3,256	6,257	11,952

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Hotels and motels, including casino hotels	<1	19,697	37,379	67,930
Other accommodations	<1	5,868	8,049	11,434
Full-service restaurants	17	398,488	573,078	1,042,065
Limited-service restaurants	13	265,157	417,272	939,880
All other food and drinking places	8	233,757	317,181	494,895
Automotive repair and maintenance, except car washes	4	184,665	226,065	346,728
Car washes	2	86,776	135,276	214,106
Electronic and precision equipment repair and maintenance	1	52,824	62,009	116,216
Commercial and industrial machinery and equipment repair and maintenance	2	140,468	139,068	223,055
Personal and household goods repair and maintenance	<1	26,139	49,657	75,692
Personal care services	3	82,064	77,414	106,102
Death care services	<1	18,810	15,310	22,213
Dry-cleaning and laundry services	2	53,319	41,488	56,044
Other personal services	2	55,372	67,497	104,237
Religious organizations	3	122,037	82,023	263,936
Grantmaking, giving, and social advocacy organizations	<1	31,498	116,085	178,428
Business and professional associations	<1	46,166	87,121	155,728
Labor and civic organizations	<1	21,179	68,431	122,689
Private households	2	30,072	30,067	30,067
Postal service	2	141,776	141,794	151,963
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	39,394	-16,402	212,739
State government passenger transit	0	0	0	0
State government electric utilities	1	165,695	241,507	738,217
Other state government enterprises	<1	99,209	130,954	204,101
Local government passenger transit	<1	36,954	-827	33,786
Local government electric utilities	<1	12,179	38,095	86,820
Other local government enterprises	6	343,847	877,356	1,829,325
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	9	1,242,715	1,941,876	4,442,485

Moon to Mars Campaign

Table 734: Detailed M2M Campaign Impacts by Types of Impact, Oklahoma

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	6	472,130	705,396	1,556,277
Oilseed farming	<1	28	240	466
Grain farming	<1	94	72	1,084
Vegetable and melon farming	<1	9	23	56
Fruit farming	<1	2	6	11
Tree nut farming	<1	24	74	127
Greenhouse, nursery, and floriculture production	<1	42	77	202
Tobacco farming	0	0	0	0
Cotton farming	<1	13	23	61
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	47	80	234
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	88	288	1,082
Dairy cattle and milk production	<1	14	40	266
Poultry and egg production	<1	10	22	290
Animal production, except cattle and poultry and eggs	<1	180	883	1,475
Forestry, forest products, and timber tract production	<1	12	14	19
Commercial logging	<1	12	14	29
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	<1	31	33
Support activities for agriculture and forestry	<1	319	320	417
Oil and gas extraction	<1	1,536	6,685	14,837

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Coal mining	<1	671	418	619
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	384	90	401
Sand and gravel mining	<1	150	96	161
Other clay, ceramic, refractory minerals mining	<1	3	2	4
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	78	40	71
Drilling oil and gas wells	<1	<1	1	3
Support activities for oil and gas operations	<1	28	44	96
Metal mining services	<1	37	164	417
Other nonmetallic minerals services	<1	3	13	30
Electric power generation - Hydroelectric	<1	5	12	33
Electric power generation - Fossil fuel	<1	1,127	2,960	8,978
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	<1	2	7
Electric power generation - Wind	<1	56	330	863
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,272	3,394	10,835
Natural gas distribution	<1	806	1,686	3,396
Water, sewage and other systems	<1	20	33	69
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	942	1,110	3,116
Maintenance and repair construction of residential structures	<1	542	656	1,793
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	2
Dog and cat food manufacturing	<1	51	155	529
Other animal food manufacturing	<1	34	60	502
Flour milling	<1	25	48	281
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	14	74	516
Fats and oils refining and blending	<1	4	7	54
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	2
Chocolate and confectionery manufacturing from cacao beans	<1	<1	1	6
Confectionery manufacturing from purchased chocolate	<1	<1	<1	<1
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	4	6	27
Canned fruits and vegetables manufacturing	<1	3	6	28

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Canned specialties	<1	13	32	168
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	3	4	46
Dry, condensed, and evaporated dairy product manufacturing	<1	5	12	68
Fluid milk manufacturing	<1	56	93	677
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	5	7	32
Frozen cakes and other pastries manufacturing	<1	42	59	105
Poultry processing	<1	65	85	400
Animal, except poultry, slaughtering	<1	86	109	885
Meat processed from carcasses	<1	218	209	1,632
Rendering and meat byproduct processing	<1	3	3	18
Seafood product preparation and packaging	<1	<1	<1	2
Bread and bakery product, except frozen, manufacturing	<1	169	238	536
Cookie and cracker manufacturing	<1	60	92	314
Dry pasta, mixes, and dough manufacturing	<1	14	32	134
Tortilla manufacturing	<1	6	7	37
Roasted nuts and peanut butter manufacturing	<1	14	20	91
Other snack food manufacturing	<1	11	14	78
Coffee and tea manufacturing	<1	1	2	14
Flavoring syrup and concentrate manufacturing	<1	<1	6	12
Mayonnaise, dressing, and sauce manufacturing	<1	1	2	11
Spice and extract manufacturing	<1	<1	2	9
All other food manufacturing	<1	21	32	127
Bottled and canned soft drinks & water	<1	129	228	1,172
Manufactured ice	<1	8	5	20
Breweries	<1	18	46	169
Wineries	<1	5	8	51
Distilleries	<1	8	37	77
Tobacco product manufacturing	<1	37	955	1,386
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	<1	<1	3
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1

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Nonwoven fabric mills	<1	1	3	11
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	13
Fabric coating mills	<1	1	2	8
Carpet and rug mills	<1	16	44	129
Curtain and linen mills	<1	4	6	18
Textile bag and canvas mills	<1	3	4	11
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	2	5
Other textile product mills	<1	4	6	19
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	2
Cut and sew apparel contractors	<1	11	11	26
Mens and boys cut and sew apparel manufacturing	<1	1	1	5
Womens and girls cut and sew apparel manufacturing	<1	2	2	11
Other cut and sew apparel manufacturing	<1	2	2	7
Apparel accessories and other apparel manufacturing	<1	<1	1	4
Leather and hide tanning and finishing	<1	<1	<1	1
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	1	1	4
Sawmills	<1	20	28	93
Wood preservation	<1	<1	2	10
Veneer and plywood manufacturing	<1	4	6	18
Engineered wood member and truss manufacturing	<1	3	4	14
Reconstituted wood product manufacturing	<1	10	18	61
Wood windows and door manufacturing	<1	9	11	29
Cut stock, resawing lumber, and planing	<1	<1	<1	1
Other millwork, including flooring	<1	11	15	46
Wood container and pallet manufacturing	<1	39	49	128
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	3	8
All other miscellaneous wood product manufacturing	<1	7	9	25
Pulp mills	0	0	0	0

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Paper mills	<1	163	510	1,477
Paperboard mills	<1	10	36	104
Paperboard container manufacturing	<1	83	164	592
Paper bag and coated and treated paper manufacturing	<1	19	47	141
Stationery product manufacturing	<1	9	17	68
Sanitary paper product manufacturing	<1	5	23	62
All other converted paper product manufacturing	<1	2	3	11
Printing	<1	385	541	1,317
Support activities for printing	<1	2	2	5
Petroleum refineries	<1	1,092	2,068	13,671
Asphalt paving mixture and block manufacturing	<1	29	33	118
Asphalt shingle and coating materials manufacturing	<1	22	31	76
Petroleum lubricating oil and grease manufacturing	<1	1,687	1,972	4,162
All other petroleum and coal products manufacturing	<1	97	140	388
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2	4	17
Synthetic dye and pigment manufacturing	<1	1	2	13
Other basic inorganic chemical manufacturing	<1	115	217	968
Other basic organic chemical manufacturing	<1	6	10	117
Plastics material and resin manufacturing	<1	51	73	755
Synthetic rubber manufacturing	<1	11	14	83
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	66	130	441
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	3
Pesticide and other agricultural chemical manufacturing	<1	6	15	112
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	43	111	428
In-vitro diagnostic substance manufacturing	<1	5	7	21

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Biological product (except diagnostic) manufacturing	<1	3	5	13
Paint and coating manufacturing	<1	17	27	150
Adhesive manufacturing	<1	6	8	38
Soap and other detergent manufacturing	<1	6	17	75
Polish and other sanitation good manufacturing	<1	13	18	69
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	3	8	36
Printing ink manufacturing	<1	<1	<1	4
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	9	16	101
Photographic film and chemical manufacturing	<1	27	50	207
Other miscellaneous chemical product manufacturing	<1	8,746	12,698	57,415
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	139	215	881
Unlaminated plastics profile shape manufacturing	<1	8	15	48
Plastics pipe and pipe fitting manufacturing	<1	9,072	21,539	81,657
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5	8	26
Polystyrene foam product manufacturing	<1	19	31	148
Urethane and other foam product (except polystyrene) manufacturing	<1	10	15	68
Plastics bottle manufacturing	<1	8	12	53
Other plastics product manufacturing	<1	52	72	248
Tire manufacturing	<1	200	294	1,199
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	44	61	269
Pottery, ceramics, and plumbing fixture manufacturing	<1	9	14	34
Brick, tile, and other structural clay product manufacturing	<1	17	34	83
Flat glass manufacturing	<1	6	15	34
Other pressed and blown glass and glassware manufacturing	<1	8	15	33
Glass container manufacturing	<1	21	38	90

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Glass product manufacturing made of purchased glass	<1	34	65	157
Cement manufacturing	<1	16	44	105
Ready-mix concrete manufacturing	<1	76	146	440
Concrete block and brick manufacturing	<1	18	37	95
Concrete pipe manufacturing	<1	4	7	16
Other concrete product manufacturing	<1	20	30	78
Lime manufacturing	<1	12	35	87
Gypsum product manufacturing	<1	21	68	171
Abrasive product manufacturing	<1	<1	2	3
Cut stone and stone product manufacturing	<1	19	23	53
Ground or treated mineral and earth manufacturing	<1	4	14	39
Mineral wool manufacturing	<1	1	4	11
Miscellaneous nonmetallic mineral products manufacturing	<1	6	19	40
Iron and steel mills and ferroalloy manufacturing	<1	21	28	324
Iron, steel pipe and tube manufacturing from purchased steel	<1	37	45	270
Rolled steel shape manufacturing	<1	1	2	13
Steel wire drawing	<1	11	13	82
Alumina refining and primary aluminum production	<1	<1	1	10
Secondary smelting and alloying of aluminum	<1	<1	<1	5
Aluminum sheet, plate, and foil manufacturing	<1	1	2	14
Other aluminum rolling, drawing and extruding	<1	<1	1	8
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1	1	15
Nonferrous metal, except copper and aluminum, shaping	<1	<1	<1	4
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	12	14	51
Nonferrous metal foundries	<1	3	3	11
Custom roll forming	<1	<1	<1	2
Crown and closure manufacturing and metal stamping	<1	6	8	20
Iron and steel forging	<1	<1	1	6

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Nonferrous forging	<1	2	3	12
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	6	9	21
Prefabricated metal buildings and components manufacturing	<1	12	16	54
Fabricated structural metal manufacturing	<1	60	85	266
Plate work manufacturing	<1	48	53	148
Metal window and door manufacturing	<1	29	38	117
Sheet metal work manufacturing	<1	21	27	74
Ornamental and architectural metal work manufacturing	<1	29	36	94
Power boiler and heat exchanger manufacturing	<1	52	71	190
Metal tank (heavy gauge) manufacturing	<1	18	22	60
Metal cans manufacturing	<1	4	9	39
Metal barrels, drums and pails manufacturing	<1	1	1	5
Hardware manufacturing	<1	2	3	10
Spring and wire product manufacturing	<1	31	40	126
Machine shops	<1	149	180	390
Turned product and screw, nut, and bolt manufacturing	<1	16	23	72
Metal heat treating	<1	15	21	53
Metal coating and nonprecious engraving	<1	73	123	331
Electroplating, anodizing, and coloring metal	<1	77	86	194
Valve and fittings, other than plumbing, manufacturing	<1	59	93	263
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	2	3	7
Small arms ammunition manufacturing	<1	2	4	9
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	5	12
Fabricated pipe and pipe fitting manufacturing	<1	12	14	37
Other fabricated metal manufacturing	<1	43	56	153
Farm machinery and equipment manufacturing	<1	2	3	14

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Lawn and garden equipment manufacturing	<1	4	5	36
Construction machinery manufacturing	<1	9	17	56
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	18	25	99
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	5	6	17
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	<1	1	4
Other commercial service industry machinery manufacturing	<1	12	17	53
Air purification and ventilation equipment manufacturing	<1	25	31	110
Heating equipment (except warm air furnaces) manufacturing	<1	8	11	25
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	121	182	672
Industrial mold manufacturing	<1	6	6	14
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1
Cutting tool and machine tool accessory manufacturing	<1	<1	1	3
Machine tool manufacturing	<1	<1	1	4
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	1
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	<1
Mechanical power transmission equipment manufacturing	<1	<1	<1	<1
Other engine equipment manufacturing	<1	11	19	62

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Pump and pumping equipment manufacturing	<1	11	16	51
Air and gas compressor manufacturing	<1	2	2	10
Elevator and moving stairway manufacturing	<1	<1	<1	1
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	3	11
Industrial truck, trailer, and stacker manufacturing	<1	<1	<1	3
Power-driven handtool manufacturing	<1	1	2	9
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	25	27	57
Fluid power cylinder and actuator manufacturing	<1	<1	1	5
Fluid power pump and motor manufacturing	<1	26	35	132
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	8
Electronic computer manufacturing	<1	<1	<1	1
Computer storage device manufacturing	<1	3	7	33
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	<1
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	1	2	8
Printed circuit assembly (electronic assembly) manufacturing	<1	2	4	21
Bare printed circuit board manufacturing	<1	<1	<1	1
Semiconductor and related device manufacturing	<1	4	6	15

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	1	2	5
Other electronic component manufacturing	<1	1	1	4
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	2
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	5	7	14
Industrial process variable instruments manufacturing	<1	7	11	27
Totalizing fluid meter and counting device manufacturing	<1	3	6	15
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	3
Blank magnetic and optical recording media manufacturing	<1	2	5	25
Software and other prerecorded and record reproducing	<1	2	2	6
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	<1
Small electrical appliance manufacturing	<1	3	5	18
Household cooking appliance manufacturing	<1	13	26	102
Household refrigerator and home freezer manufacturing	<1	14	30	112
Household laundry equipment manufacturing	<1	33	54	269
Other major household appliance manufacturing	<1	6	14	47
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	<1	11	16	61
Switchgear and switchboard apparatus manufacturing	<1	2	3	7

Appendix

Relay and industrial control manufacturing	<1	10	13	34
Storage battery manufacturing	<1	9	12	38
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	1	1	6
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	2	4	11
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	<1	4	20	71
Light truck and utility vehicle manufacturing	<1	2	7	73
Heavy duty truck manufacturing	<1	6	22	110
Motor vehicle body manufacturing	<1	1	2	9
Truck trailer manufacturing	<1	<1	<1	4
Motor home manufacturing	<1	44	81	318
Travel trailer and camper manufacturing	<1	37	43	228
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	15	89
Motor vehicle electrical and electronic equipment manufacturing	<1	9	13	68
Motor vehicle transmission and power train parts manufacturing	<1	87	157	765
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	6
Motor vehicle metal stamping	<1	2	3	17
Other motor vehicle parts manufacturing	<1	43	63	336
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	13	25	120
Aircraft manufacturing	<1	2	2	10
Aircraft engine and engine parts manufacturing	<1	20	20	86
Other aircraft parts and auxiliary equipment manufacturing	<1	9	9	25
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1	1	3

Appendix

Railroad rolling stock manufacturing	<1	<1	<1	3
Ship building and repairing	0	0	0	0
Boat building	<1	39	44	211
Motorcycle, bicycle, and parts manufacturing	<1	<1	1	7
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	3	3	29
Wood kitchen cabinet and countertop manufacturing	<1	16	21	60
Upholstered household furniture manufacturing	<1	10	12	43
Nonupholstered wood household furniture manufacturing	<1	<1	<1	3
Other household nonupholstered furniture manufacturing	<1	3	4	19
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	2	2	6
Office furniture, except wood, manufacturing	<1	<1	<1	<1
Showcase, partition, shelving, and locker manufacturing	<1	<1	1	4
Mattress manufacturing	<1	7	12	49
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	9	15	46
Surgical appliance and supplies manufacturing	<1	8	14	37
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	6	6	13
Jewelry and silverware manufacturing	<1	11	17	56
Sporting and athletic goods manufacturing	<1	<1	1	5
Doll, toy, and game manufacturing	<1	<1	<1	1
Office supplies (except paper) manufacturing	<1	<1	<1	2
Sign manufacturing	<1	21	19	58
Gasket, packing, and sealing device manufacturing	<1	5	6	20

Appendix

Musical instrument manufacturing	<1	4	4	12
Fasteners, buttons, needles, and pins manufacturing	<1	6	8	26
Broom, brush, and mop manufacturing	<1	7	12	35
Burial casket manufacturing	<1	1	1	3
All other miscellaneous manufacturing	<1	59	76	220
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	321	650	1,567
Wholesale - Professional and commercial equipment and supplies	<1	1,032	1,557	2,854
Wholesale - Household appliances and electrical and electronic goods	<1	310	655	1,605
Wholesale - Machinery, equipment, and supplies	<1	656	1,112	1,995
Wholesale - Other durable goods merchant wholesalers	<1	818	1,268	2,590
Wholesale - Drugs and druggists' sundries	<1	717	1,816	3,554
Wholesale - Grocery and related product wholesalers	<1	914	1,179	2,439
Wholesale - Petroleum and petroleum products	<1	329	2,952	3,671
Wholesale - Other nondurable goods merchant wholesalers	<1	2,280	4,363	9,036
Wholesale - Wholesale electronic markets and agents and brokers	<1	973	1,005	1,247
Retail - Motor vehicle and parts dealers	<1	1,213	1,926	2,920
Retail - Furniture and home furnishings stores	<1	735	895	1,454
Retail - Electronics and appliance stores	<1	632	685	1,226
Retail - Building material and garden equipment and supplies stores	<1	753	1,361	2,031
Retail - Food and beverage stores	<1	1,809	2,283	3,647
Retail - Health and personal care stores	<1	1,401	1,742	2,729
Retail - Gasoline stores	<1	667	1,110	2,178
Retail - Clothing and clothing accessories stores	<1	651	1,050	2,387
Retail - Sporting goods, hobby, musical instrument and book stores	<1	483	623	1,107
Retail - General merchandise stores	<1	2,057	2,902	4,965

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Retail - Miscellaneous store retailers	<1	995	1,202	2,175
Retail - Nonstore retailers	<1	514	2,200	6,870
Air transportation	<1	523	1,908	2,782
Rail transportation	<1	429	1,796	2,522
Water transportation	<1	0	0	54
Truck transportation	<1	3,816	4,452	8,607
Transit and ground passenger transportation	<1	125	225	472
Pipeline transportation	<1	2,610	2,559	2,576
Scenic and sightseeing transportation and support activities for transportation	<1	1,494	1,667	3,533
Couriers and messengers	<1	671	971	1,668
Warehousing and storage	<1	1,555	1,720	3,490
Newspaper publishers	<1	256	800	911
Periodical publishers	<1	421	1,152	1,401
Book publishers	<1	34	235	270
Directory, mailing list, and other publishers	<1	74	469	563
Greeting card publishing	<1	8	50	55
Software publishers	<1	346	1,461	1,551
Motion picture and video industries	<1	192	360	1,341
Sound recording industries	<1	10	69	186
Radio and television broadcasting	<1	2,870	3,079	5,096
Cable and other subscription programming	<1	280	673	1,167
Wired telecommunications carriers	<1	1,234	2,840	5,112
Wireless telecommunications carriers (except satellite)	<1	250	1,976	5,066
Satellite, telecommunications resellers, and all other telecommunications	<1	239	354	939
Data processing, hosting, and related services	<1	427	800	2,787
News syndicates, libraries, archives and all other information services	<1	41	72	183
Internet publishing and broadcasting and web search portals	<1	321	808	3,032
Nondepository credit intermediation and related activities	<1	1,161	1,429	2,907
Securities and commodity contracts intermediation and brokerage	<1	1,067	968	2,951

Appendix

Monetary authorities and depository credit intermediation	<1	5,264	10,882	22,844
Other financial investment activities	<1	1,276	1,680	6,877
Direct life insurance carriers	<1	817	1,760	2,696
Insurance carriers, except direct life	<1	1,275	4,649	10,386
Insurance agencies, brokerages, and related activities	<1	1,973	3,250	8,893
Funds, trusts, and other financial vehicles	<1	762	1,127	5,198
Other real estate	<1	4,623	16,390	46,674
Tenant-occupied housing	<1	351	7,078	7,961
Owner-occupied dwellings	0	0	26,697	33,890
Automotive equipment rental and leasing	<1	545	1,218	1,861
General and consumer goods rental except video tapes and discs	<1	398	493	889
Video tape and disc rental	<1	107	181	296
Commercial and industrial machinery and equipment rental and leasing	<1	552	1,257	1,827
Lessors of nonfinancial intangible assets	<1	36	738	930
Legal services	<1	6,711	9,003	14,355
Accounting, tax preparation, bookkeeping, and payroll services	<1	3,469	4,395	6,600
Architectural, engineering, and related services	<1	2,288	2,514	4,731
Specialized design services	<1	52	82	143
Custom computer programming services	<1	491	537	790
Computer systems design services	<1	399	372	506
Other computer related services, including facilities management	<1	930	1,194	2,729
Management consulting services	<1	4,745	4,979	8,646
Environmental and other technical consulting services	<1	1,209	1,283	2,073
Scientific research and development services	1	102,151	129,745	277,524
Advertising, public relations, and related services	<1	1,217	1,593	3,217
Photographic services	<1	58	139	292
Veterinary services	<1	382	464	771
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,806	3,001	5,619

Appendix

Management of companies and enterprises	<1	8,794	10,614	18,273
Office administrative services	<1	2,297	821	2,376
Facilities support services	<1	280	404	889
Employment services	<1	8,870	12,776	18,886
Business support services	<1	1,524	1,282	2,291
Travel arrangement and reservation services	<1	247	321	857
Investigation and security services	<1	861	858	1,243
Services to buildings	<1	956	1,342	2,534
Landscape and horticultural services	<1	717	901	1,622
Other support services	<1	720	929	1,837
Waste management and remediation services	<1	406	744	1,438
Elementary and secondary schools	<1	948	814	966
Junior colleges, colleges, universities, and professional schools	<1	943	1,289	1,832
Other educational services	<1	676	764	1,450
Offices of physicians	<1	8,346	8,806	12,270
Offices of dentists	<1	1,841	2,329	3,283
Offices of other health practitioners	<1	1,363	2,004	2,704
Outpatient care centers	<1	2,042	1,900	3,371
Medical and diagnostic laboratories	<1	651	950	1,395
Home health care services	<1	1,080	1,046	1,382
Other ambulatory health care services	<1	536	606	1,080
Hospitals	<1	13,736	15,424	30,205
Nursing and community care facilities	<1	2,161	2,418	4,372
Residential mental retardation, mental health, substance abuse and other facilities	<1	657	712	1,199
Individual and family services	<1	1,824	1,687	2,477
Child day care services	<1	610	987	1,353
Community food, housing, and other relief services, including rehabilitation services	<1	413	437	1,063
Performing arts companies	<1	251	417	659
Commercial Sports Except Racing	<1	662	492	943
Racing and Track Operation	<1	54	151	225
Independent artists, writers, and performers	<1	132	609	804

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Promoters of performing arts and sports and agents for public figures	<1	87	209	400
Museums, historical sites, zoos, and parks	<1	124	166	284
Amusement parks and arcades	<1	38	138	191
Gambling industries (except casino hotels)	<1	176	595	919
Other amusement and recreation industries	<1	235	346	637
Fitness and recreational sports centers	<1	236	420	756
Bowling centers	<1	34	64	121
Hotels and motels, including casino hotels	<1	207	387	696
Other accommodations	<1	76	103	145
Full-service restaurants	<1	3,751	5,452	9,744
Limited-service restaurants	<1	2,779	4,406	9,670
All other food and drinking places	<1	2,181	2,962	4,529
Automotive repair and maintenance, except car washes	<1	1,839	2,174	3,334
Car washes	<1	854	1,325	2,087
Electronic and precision equipment repair and maintenance	<1	387	458	840
Commercial and industrial machinery and equipment repair and maintenance	<1	1,003	976	1,551
Personal and household goods repair and maintenance	<1	224	415	632
Personal care services	<1	936	854	1,173
Death care services	<1	236	167	250
Dry-cleaning and laundry services	<1	520	353	493
Other personal services	<1	552	666	1,022
Religious organizations	<1	1,411	824	2,932
Grantmaking, giving, and social advocacy organizations	<1	398	1,372	2,118
Business and professional associations	<1	413	742	1,311
Labor and civic organizations	<1	261	794	1,449
Private households	<1	347	347	347
Postal service	<1	1,261	1,261	1,350
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	72	-34	324
State government passenger transit	0	0	0	0
State government electric utilities	<1	7,262	10,974	33,658

Appendix

Other state government enterprises	<1	468	616	902
Local government passenger transit	<1	323	-7	240
Local government electric utilities	<1	92	275	621
Other local government enterprises	<1	2,603	6,316	13,146
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	157,298	212,986	487,254

Investments in Climate Change Research and Technology

Table 735: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oklahoma

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	462	25,302,521	37,610,633	79,487,746
Oilseed farming	<1	1,517	7,447	12,072
Grain farming	<1	7,924	4,781	89,950
Vegetable and melon farming	<1	461	1,233	3,002
Fruit farming	<1	90	274	484
Tree nut farming	<1	741	2,333	4,050
Greenhouse, nursery, and floriculture production	<1	2,584	4,772	12,873
Tobacco farming	0	0	0	0
Cotton farming	<1	2,536	4,350	11,644
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	4,215	6,880	20,971
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	6,538	27,646	114,206

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Dairy cattle and milk production	<1	649	2,007	14,582
Poultry and egg production	<1	862	1,662	26,479
Animal production, except cattle and poultry and eggs	2	28,169	104,459	166,227
Forestry, forest products, and timber tract production	<1	729	833	1,192
Commercial logging	<1	899	1,019	2,264
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	33	2,313	2,386
Support activities for agriculture and forestry	1	36,426	37,208	48,081
Oil and gas extraction	2	170,483	582,947	1,250,684
Coal mining	<1	114,738	97,420	139,973
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	19,572	6,491	27,106
Sand and gravel mining	<1	14,072	10,623	18,169
Other clay, ceramic, refractory minerals mining	<1	280	169	322
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	4,651	2,753	4,979
Drilling oil and gas wells	<1	69	169	359
Support activities for oil and gas operations	<1	3,683	5,691	11,678
Metal mining services	<1	5,722	23,336	53,937
Other nonmetallic minerals services	<1	474	1,730	3,716
Electric power generation - Hydroelectric	<1	349	798	2,254
Electric power generation - Fossil fuel	<1	55,623	159,057	542,131
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	55	158	503
Electric power generation - Wind	<1	6,242	35,394	100,096
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	83,027	228,604	782,516
Natural gas distribution	<1	49,641	99,941	216,417
Water, sewage and other systems	<1	1,446	2,476	5,650
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	82,206	96,715	281,832
Maintenance and repair construction of residential structures	<1	29,816	35,903	101,937
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	31	88
Dog and cat food manufacturing	<1	3,215	9,270	33,636
Other animal food manufacturing	<1	3,051	4,995	45,495
Flour milling	<1	1,923	3,719	21,718
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	354	1,929	14,041
Fats and oils refining and blending	<1	60	120	946
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	12	19	97
Chocolate and confectionery manufacturing from cacao beans	<1	21	32	174
Confectionery manufacturing from purchased chocolate	<1	2	3	18
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	206	295	1,479
Canned fruits and vegetables manufacturing	<1	114	234	1,082
Canned specialties	<1	768	2,002	10,638
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	122	179	1,937
Dry, condensed, and evaporated dairy product manufacturing	<1	225	550	3,690
Fluid milk manufacturing	<1	2,962	4,783	36,381
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	295	409	2,013
Frozen cakes and other pastries manufacturing	<1	2,261	3,184	5,867
Poultry processing	<1	6,024	7,408	36,723
Animal, except poultry, slaughtering	<1	6,803	8,522	70,983
Meat processed from carcasses	<1	12,388	11,707	94,434
Rendering and meat byproduct processing	<1	170	165	923
Seafood product preparation and packaging	<1	20	25	157
Bread and bakery product, except frozen, manufacturing	<1	9,342	13,176	30,253
Cookie and cracker manufacturing	<1	2,637	3,817	14,998
Dry pasta, mixes, and dough manufacturing	<1	715	1,621	6,483
Tortilla manufacturing	<1	329	419	2,313
Roasted nuts and peanut butter manufacturing	<1	653	873	4,466
Other snack food manufacturing	<1	622	802	4,538
Coffee and tea manufacturing	<1	69	131	862
Flavoring syrup and concentrate manufacturing	<1	47	379	688
Mayonnaise, dressing, and sauce manufacturing	<1	61	121	600
Spice and extract manufacturing	<1	37	61	382
All other food manufacturing	<1	899	1,337	5,671

Appendix

Bottled and canned soft drinks & water	<1	8,136	14,080	75,224
Manufactured ice	<1	447	247	1,277
Breweries	<1	1,041	2,540	9,539
Wineries	<1	163	296	1,967
Distilleries	<1	473	2,074	4,652
Tobacco product manufacturing	<1	1,799	34,713	57,174
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	31	65	237
Narrow fabric mills and schiffli machine embroidery	<1	7	9	49
Nonwoven fabric mills	<1	59	154	543
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	52	82	395
Fabric coating mills	<1	37	63	277
Carpet and rug mills	<1	837	1,828	7,021
Curtain and linen mills	<1	169	257	926
Textile bag and canvas mills	<1	182	246	735
Rope, cordage, twine, tire cord and tire fabric mills	<1	155	298	864
Other textile product mills	<1	231	316	1,111
Hosiery and sock mills	<1	13	25	72
Other apparel knitting mills	<1	15	27	76
Cut and sew apparel contractors	<1	620	631	1,542
Mens and boys cut and sew apparel manufacturing	<1	46	53	198
Womens and girls cut and sew apparel manufacturing	<1	59	65	327
Other cut and sew apparel manufacturing	<1	65	72	289
Apparel accessories and other apparel manufacturing	<1	33	39	154
Leather and hide tanning and finishing	<1	7	6	89
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	41	41	166
Sawmills	<1	1,913	2,550	8,609
Wood preservation	<1	88	180	984
Veneer and plywood manufacturing	<1	495	654	2,004
Engineered wood member and truss manufacturing	<1	271	352	1,202
Reconstituted wood product manufacturing	<1	1,115	2,017	6,704
Wood windows and door manufacturing	<1	1,111	1,392	3,871

Appendix

Cut stock, resawing lumber, and planing	<1	29	43	132
Other millwork, including flooring	<1	1,103	1,540	4,874
Wood container and pallet manufacturing	<1	2,487	3,097	8,386
Manufactured home (mobile home) manufacturing	<1	5	6	18
Prefabricated wood building manufacturing	<1	181	227	695
All other miscellaneous wood product manufacturing	<1	428	558	1,732
Pulp mills	0	0	0	0
Paper mills	<1	15,318	57,352	145,301
Paperboard mills	<1	1,617	6,054	16,392
Paperboard container manufacturing	<1	2,865	5,815	21,300
Paper bag and coated and treated paper manufacturing	<1	1,247	3,366	10,356
Stationery product manufacturing	<1	613	1,210	5,071
Sanitary paper product manufacturing	<1	375	1,871	4,561
All other converted paper product manufacturing	<1	159	302	941
Printing	<1	24,567	32,703	89,054
Support activities for printing	<1	84	107	257
Petroleum refineries	<1	79,160	143,523	958,819
Asphalt paving mixture and block manufacturing	<1	2,398	2,697	10,078
Asphalt shingle and coating materials manufacturing	<1	2,038	2,826	6,884
Petroleum lubricating oil and grease manufacturing	<1	1,754	2,415	5,800
All other petroleum and coal products manufacturing	<1	13,856	22,930	64,124
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	160	266	1,224
Synthetic dye and pigment manufacturing	<1	25	40	207
Other basic inorganic chemical manufacturing	<1	2,250	3,729	17,468
Other basic organic chemical manufacturing	<1	493	805	8,066
Plastics material and resin manufacturing	<1	486	666	6,267
Synthetic rubber manufacturing	<1	731	946	5,074
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	3,770	6,982	26,387
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	37	57	223
Pesticide and other agricultural chemical manufacturing	<1	729	1,646	12,070
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	1,493	3,634	15,309
In-vitro diagnostic substance manufacturing	<1	117	148	438
Biological product (except diagnostic) manufacturing	<1	85	139	400
Paint and coating manufacturing	<1	1,072	1,638	9,045
Adhesive manufacturing	<1	202	269	1,435
Soap and other detergent manufacturing	<1	240	555	3,314
Polish and other sanitation good manufacturing	<1	687	902	3,906
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	129	301	1,457
Printing ink manufacturing	<1	41	42	197
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	88	128	969
Photographic film and chemical manufacturing	<1	2,802	4,993	21,655
Other miscellaneous chemical product manufacturing	<1	2,054	2,829	12,575
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,942	4,646	19,447
Unlaminated plastics profile shape manufacturing	<1	365	726	2,468
Plastics pipe and pipe fitting manufacturing	<1	2,188	5,322	19,416
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	217	378	1,183
Polystyrene foam product manufacturing	<1	1,605	2,650	12,734
Urethane and other foam product (except polystyrene) manufacturing	<1	701	1,091	5,037
Plastics bottle manufacturing	<1	252	388	1,884
Other plastics product manufacturing	<1	3,501	4,883	17,772

Appendix

Tire manufacturing	<1	17,176	25,013	101,478
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	4,229	5,898	24,792
Pottery, ceramics, and plumbing fixture manufacturing	<1	624	1,004	2,323
Brick, tile, and other structural clay product manufacturing	<1	1,605	3,273	7,542
Flat glass manufacturing	<1	541	1,387	2,905
Other pressed and blown glass and glassware manufacturing	<1	599	1,248	2,614
Glass container manufacturing	<1	1,239	2,296	5,206
Glass product manufacturing made of purchased glass	<1	2,865	5,750	13,489
Cement manufacturing	<1	1,531	4,658	10,597
Ready-mix concrete manufacturing	<1	8,090	16,031	47,564
Concrete block and brick manufacturing	<1	1,410	3,091	7,604
Concrete pipe manufacturing	<1	328	655	1,493
Other concrete product manufacturing	<1	2,088	3,305	8,239
Lime manufacturing	<1	1,984	5,695	14,014
Gypsum product manufacturing	<1	1,696	5,946	14,168
Abrasive product manufacturing	<1	31	113	234
Cut stone and stone product manufacturing	<1	1,649	2,074	4,695
Ground or treated mineral and earth manufacturing	<1	43	151	401
Mineral wool manufacturing	<1	102	295	844
Miscellaneous nonmetallic mineral products manufacturing	<1	495	1,882	3,876
Iron and steel mills and ferroalloy manufacturing	<1	1,698	2,650	26,443
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,898	4,089	23,388
Rolled steel shape manufacturing	<1	169	268	1,592
Steel wire drawing	<1	1,885	2,297	13,736
Alumina refining and primary aluminum production	<1	72	98	881
Secondary smelting and alloying of aluminum	<1	31	47	578
Aluminum sheet, plate, and foil manufacturing	<1	125	199	1,272
Other aluminum rolling, drawing and extruding	<1	46	59	449

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	101	126	1,542
Nonferrous metal, except copper and aluminum, shaping	<1	63	70	346
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	1,105	1,454	4,671
Nonferrous metal foundries	<1	159	199	696
Custom roll forming	<1	10	16	92
Crown and closure manufacturing and metal stamping	<1	354	444	1,214
Iron and steel forging	<1	58	92	390
Nonferrous forging	<1	125	180	698
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	200	322	776
Prefabricated metal buildings and components manufacturing	<1	1,075	1,535	4,900
Fabricated structural metal manufacturing	<1	7,300	10,684	33,569
Plate work manufacturing	<1	4,892	5,289	15,280
Metal window and door manufacturing	<1	2,240	3,033	9,562
Sheet metal work manufacturing	<1	1,927	2,532	7,030
Ornamental and architectural metal work manufacturing	<1	2,680	3,459	9,304
Power boiler and heat exchanger manufacturing	<1	1,637	2,259	5,776
Metal tank (heavy gauge) manufacturing	<1	903	1,137	3,179
Metal cans manufacturing	<1	77	168	747
Metal barrels, drums and pails manufacturing	<1	27	33	126
Hardware manufacturing	<1	134	208	706
Spring and wire product manufacturing	<1	39,811	53,887	162,227
Machine shops	<1	7,212	8,812	19,702
Turned product and screw, nut, and bolt manufacturing	<1	581	849	2,698
Metal heat treating	<1	352	506	1,285
Metal coating and nonprecious engraving	<1	1,886	3,283	8,664
Electroplating, anodizing, and coloring metal	<1	2,122	2,405	5,418
Valve and fittings, other than plumbing, manufacturing	<1	3,419	5,340	15,388

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	<1	80	145	388
Small arms ammunition manufacturing	<1	122	242	557
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	129	235	559
Fabricated pipe and pipe fitting manufacturing	<1	1,629	2,010	5,108
Other fabricated metal manufacturing	<1	2,230	2,912	8,166
Farm machinery and equipment manufacturing	<1	142	213	1,029
Lawn and garden equipment manufacturing	<1	193	275	2,068
Construction machinery manufacturing	<1	1,326	2,226	8,349
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	<1	3,344	4,434	16,262
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	4	4	15
Sawmill, woodworking, and paper machinery	<1	11	12	40
Printing machinery and equipment manufacturing	<1	4	4	18
All other industrial machinery manufacturing	<1	41	46	124
Optical instrument and lens manufacturing	<1	9	11	38
Photographic and photocopying equipment manufacturing	<1	23	27	116
Other commercial service industry machinery manufacturing	<1	801	1,034	3,328
Air purification and ventilation equipment manufacturing	<1	264	304	1,127
Heating equipment (except warm air furnaces) manufacturing	<1	579	719	1,860
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	4,862	6,828	27,750
Industrial mold manufacturing	<1	394	425	1,037
Special tool, die, jig, and fixture manufacturing	<1	18	20	48

Appendix

Cutting tool and machine tool accessory manufacturing	<1	37	39	120
Machine tool manufacturing	<1	39	44	171
Rolling mill and other metalworking machinery manufacturing	<1	28	30	78
Turbine and turbine generator set units manufacturing	<1	24	28	124
Speed changer, industrial high-speed drive, and gear manufacturing	<1	9	11	45
Mechanical power transmission equipment manufacturing	<1	26	33	110
Other engine equipment manufacturing	<1	481	723	3,163
Pump and pumping equipment manufacturing	<1	671	906	3,025
Air and gas compressor manufacturing	<1	156	213	826
Elevator and moving stairway manufacturing	<1	22	26	92
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	<1	224	327	1,278
Industrial truck, trailer, and stacker manufacturing	<1	60	79	306
Power-driven handtool manufacturing	<1	24	44	202
Welding and soldering equipment manufacturing	<1	8	10	45
Packaging machinery manufacturing	<1	2	3	9
Industrial process furnace and oven manufacturing	<1	168	180	395
Fluid power cylinder and actuator manufacturing	<1	51	62	239
Fluid power pump and motor manufacturing	<1	403	519	2,094
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	82	91	346
Electronic computer manufacturing	<1	6	13	58
Computer storage device manufacturing	<1	121	293	1,306
Computer terminals and other computer peripheral equipment manufacturing	<1	3	6	27
Telephone apparatus manufacturing	<1	74	122	400

Appendix

Broadcast and wireless communications equipment manufacturing	<1	7	11	38
Other communications equipment manufacturing	<1	34	60	213
Audio and video equipment manufacturing	<1	32	53	253
Printed circuit assembly (electronic assembly) manufacturing	<1	36	67	382
Bare printed circuit board manufacturing	<1	20	26	69
Semiconductor and related device manufacturing	<1	56	100	283
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	<1	78	120	351
Other electronic component manufacturing	<1	45	62	183
Electromedical and electrotherapeutic apparatus manufacturing	<1	13	24	64
Search, detection, and navigation instruments manufacturing	<1	5	9	23
Automatic environmental control manufacturing	<1	198	263	578
Industrial process variable instruments manufacturing	<1	331	522	1,298
Totalizing fluid meter and counting device manufacturing	<1	383	879	2,013
Electricity and signal testing instruments manufacturing	<1	5	8	33
Analytical laboratory instrument manufacturing	<1	8,292	14,273	23,362
Irradiation apparatus manufacturing	<1	2	4	8
Watch, clock, and other measuring and controlling device manufacturing	<1	14	26	77
Blank magnetic and optical recording media manufacturing	<1	43	124	694
Software and other prerecorded and record reproducing	<1	108	156	453
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	5	6	30
Small electrical appliance manufacturing	<1	101	181	752

Appendix

Household cooking appliance manufacturing	<1	687	1,191	5,030
Household refrigerator and home freezer manufacturing	<1	737	1,318	5,346
Household laundry equipment manufacturing	<1	1,719	2,498	13,144
Other major household appliance manufacturing	<1	318	600	2,265
Power, distribution, and specialty transformer manufacturing	<1	7	9	36
Motor and generator manufacturing	<1	997	1,446	5,507
Switchgear and switchboard apparatus manufacturing	<1	155	224	582
Relay and industrial control manufacturing	<1	199	250	688
Storage battery manufacturing	<1	450	588	1,968
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	62	72	371
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	97	156	492
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	13,076	14,574	38,487
Automobile manufacturing	<1	251	1,381	4,875
Light truck and utility vehicle manufacturing	<1	477	1,992	13,925
Heavy duty truck manufacturing	<1	497	1,904	9,618
Motor vehicle body manufacturing	<1	115	187	741
Truck trailer manufacturing	<1	52	86	429
Motor home manufacturing	<1	5,267	11,080	41,978
Travel trailer and camper manufacturing	<1	3,110	3,709	19,346
Motor vehicle gasoline engine and engine parts manufacturing	<1	545	1,062	5,960
Motor vehicle electrical and electronic equipment manufacturing	<1	822	1,371	8,132
Motor vehicle transmission and power train parts manufacturing	<1	3,587	6,865	39,634
Motor vehicle seating and interior trim manufacturing	<1	67	94	695
Motor vehicle metal stamping	<1	456	657	3,355
Other motor vehicle parts manufacturing	<1	3,363	5,973	26,761

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	833	1,752	8,463
Aircraft manufacturing	<1	238	289	1,527
Aircraft engine and engine parts manufacturing	<1	186	213	947
Other aircraft parts and auxiliary equipment manufacturing	<1	60,392	67,084	192,426
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	6	6	20
Railroad rolling stock manufacturing	<1	29	28	194
Ship building and repairing	0	0	0	0
Boat building	<1	3,194	3,524	17,573
Motorcycle, bicycle, and parts manufacturing	<1	26	35	265
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	141	170	1,531
Wood kitchen cabinet and countertop manufacturing	<1	1,260	1,781	4,992
Upholstered household furniture manufacturing	<1	371	419	1,583
Nonupholstered wood household furniture manufacturing	<1	36	44	169
Other household nonupholstered furniture manufacturing	<1	126	197	913
Institutional furniture manufacturing	<1	4	5	28
Wood office furniture manufacturing	<1	7	11	34
Custom architectural woodwork and millwork	<1	136	129	494
Office furniture, except wood, manufacturing	<1	5	8	40
Showcase, partition, shelving, and locker manufacturing	<1	55	83	316
Mattress manufacturing	<1	385	678	2,781
Blind and shade manufacturing	<1	2	2	13
Surgical and medical instrument manufacturing	<1	466	741	2,417
Surgical appliance and supplies manufacturing	<1	324	547	1,558
Dental equipment and supplies manufacturing	<1	3	4	13

Appendix

Ophthalmic goods manufacturing	<1	8	13	38
Dental laboratories	<1	248	254	530
Jewelry and silverware manufacturing	<1	641	989	3,275
Sporting and athletic goods manufacturing	<1	40	52	292
Doll, toy, and game manufacturing	<1	10	14	53
Office supplies (except paper) manufacturing	<1	23	30	143
Sign manufacturing	<1	2,404	1,983	6,429
Gasket, packing, and sealing device manufacturing	<1	446	517	1,656
Musical instrument manufacturing	<1	94	98	317
Fasteners, buttons, needles, and pins manufacturing	<1	266	328	1,062
Broom, brush, and mop manufacturing	<1	334	415	1,652
Burial casket manufacturing	<1	118	137	411
All other miscellaneous manufacturing	<1	3,401	4,239	13,253
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	18,658	38,054	91,333
Wholesale - Professional and commercial equipment and supplies	<1	47,246	71,619	133,352
Wholesale - Household appliances and electrical and electronic goods	<1	19,898	43,257	106,710
Wholesale - Machinery, equipment, and supplies	<1	52,488	90,659	162,179
Wholesale - Other durable goods merchant wholesalers	<1	50,292	78,328	160,997
Wholesale - Drugs and druggists' sundries	<1	39,662	103,681	206,728
Wholesale - Grocery and related product wholesalers	<1	52,743	68,710	143,440
Wholesale - Petroleum and petroleum products	<1	27,048	167,727	215,386
Wholesale - Other nondurable goods merchant wholesalers	2	97,813	178,546	383,673
Wholesale - Wholesale electronic markets and agents and brokers	<1	60,107	62,077	77,464
Retail - Motor vehicle and parts dealers	1	73,061	115,920	177,540
Retail - Furniture and home furnishings stores	<1	40,591	49,416	81,974
Retail - Electronics and appliance stores	<1	35,918	38,038	70,131

Appendix

Retail - Building material and garden equipment and supplies stores	1	44,778	81,098	122,027
Retail - Food and beverage stores	3	91,342	116,819	191,470
Retail - Health and personal care stores	2	79,844	98,795	155,782
Retail - Gasoline stores	1	35,015	62,201	129,722
Retail - Clothing and clothing accessories stores	2	34,572	56,819	134,847
Retail - Sporting goods, hobby, musical instrument and book stores	1	26,913	34,788	63,583
Retail - General merchandise stores	4	125,350	175,328	301,593
Retail - Miscellaneous store retailers	3	52,505	64,137	121,562
Retail - Nonstore retailers	3	27,712	111,794	361,717
Air transportation	<1	36,860	126,085	190,342
Rail transportation	<1	19,525	98,274	127,243
Water transportation	<1	-26	-18	3,902
Truck transportation	2	157,362	187,909	372,629
Transit and ground passenger transportation	1	5,996	10,627	24,206
Pipeline transportation	<1	354,909	259,867	260,651
Scenic and sightseeing transportation and support activities for transportation	2	144,746	160,829	336,714
Couriers and messengers	1	41,756	60,046	104,783
Warehousing and storage	3	93,659	103,478	214,382
Newspaper publishers	<1	21,416	65,706	76,457
Periodical publishers	<1	24,116	64,637	84,691
Book publishers	<1	2,382	16,532	19,532
Directory, mailing list, and other publishers	<1	7,700	45,622	55,207
Greeting card publishing	<1	306	1,813	2,134
Software publishers	<1	22,088	90,481	96,851
Motion picture and video industries	<1	8,891	16,301	74,405
Sound recording industries	<1	516	3,220	9,697
Radio and television broadcasting	<1	148,781	173,389	409,276
Cable and other subscription programming	<1	8,295	31,096	68,960
Wired telecommunications carriers	<1	79,452	191,536	354,050
Wireless telecommunications carriers (except satellite)	<1	16,639	125,957	336,866

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	14,215	22,339	64,226
Data processing, hosting, and related services	<1	27,948	52,992	214,004
News syndicates, libraries, archives and all other information services	<1	2,301	3,852	10,873
Internet publishing and broadcasting and web search portals	<1	18,736	47,525	251,269
Nondepository credit intermediation and related activities	1	64,210	77,307	168,221
Securities and commodity contracts intermediation and brokerage	2	59,232	55,821	203,060
Monetary authorities and depository credit intermediation	6	461,849	886,545	1,963,589
Other financial investment activities	2	50,634	69,355	346,904
Direct life insurance carriers	<1	51,906	105,719	172,529
Insurance carriers, except direct life	1	84,355	282,783	690,399
Insurance agencies, brokerages, and related activities	2	135,297	217,257	622,605
Funds, trusts, and other financial vehicles	<1	36,482	52,075	287,552
Other real estate	27	392,787	1,444,651	4,594,126
Tenant-occupied housing	1	17,534	324,062	377,822
Owner-occupied dwellings	0	0	1,278,529	1,623,037
Automotive equipment rental and leasing	<1	24,833	73,529	119,879
General and consumer goods rental except video tapes and discs	<1	22,411	30,617	59,279
Video tape and disc rental	<1	5,836	10,105	16,615
Commercial and industrial machinery and equipment rental and leasing	<1	32,135	89,888	135,397
Lessors of nonfinancial intangible assets	<1	3,447	63,097	79,808
Legal services	11	739,055	966,452	1,577,596
Accounting, tax preparation, bookkeeping, and payroll services	4	268,404	323,604	507,751
Architectural, engineering, and related services	4	254,927	271,286	525,470
Specialized design services	<1	3,423	4,979	9,404
Custom computer programming services	<1	33,022	36,630	56,058

Appendix

Computer systems design services	<1	32,403	30,011	41,758
Other computer related services, including facilities management	1	65,424	84,449	201,073
Management consulting services	7	437,478	456,030	825,343
Environmental and other technical consulting services	2	103,322	108,356	179,088
Scientific research and development services	172	11,690,519	15,387,298	33,949,345
Advertising, public relations, and related services	2	94,695	119,444	259,925
Photographic services	<1	4,493	9,470	21,970
Veterinary services	<1	21,760	25,282	43,727
Marketing research and all other miscellaneous professional, scientific, and technical services	3	195,672	308,304	627,279
Management of companies and enterprises	8	745,656	895,236	1,602,813
Office administrative services	3	158,552	53,470	171,873
Facilities support services	<1	23,971	34,858	82,658
Employment services	25	882,379	1,243,084	1,967,674
Business support services	4	150,026	123,490	237,038
Travel arrangement and reservation services	<1	20,372	26,393	72,197
Investigation and security services	2	68,501	67,759	103,356
Services to buildings	3	78,951	108,941	220,436
Landscape and horticultural services	2	55,471	69,156	129,717
Other support services	1	55,949	71,781	149,524
Waste management and remediation services	<1	31,644	57,976	114,368
Elementary and secondary schools	1	38,437	33,274	40,288
Junior colleges, colleges, universities, and professional schools	15	482,360	662,041	976,372
Other educational services	<1	32,198	36,073	71,443
Offices of physicians	4	460,622	482,071	675,024
Offices of dentists	1	97,734	120,396	172,518
Offices of other health practitioners	1	76,231	107,644	147,087
Outpatient care centers	2	101,616	93,490	165,188
Medical and diagnostic laboratories	<1	34,043	47,812	72,463
Home health care services	1	60,112	57,781	76,579
Other ambulatory health care services	<1	28,382	31,626	57,168

Appendix

Hospitals	8	611,400	693,035	1,379,112
Nursing and community care facilities	3	106,500	118,946	223,700
Residential mental retardation, mental health, substance abuse and other facilities	<1	27,672	29,919	51,856
Individual and family services	3	81,781	73,788	111,096
Child day care services	1	29,845	46,160	65,963
Community food, housing, and other relief services, including rehabilitation services	<1	17,089	17,954	45,547
Performing arts companies	<1	11,501	19,767	34,878
Commercial Sports Except Racing	2	40,563	32,225	63,175
Racing and Track Operation	<1	2,449	7,186	12,488
Independent artists, writers, and performers	<1	7,265	39,099	53,125
Promoters of performing arts and sports and agents for public figures	<1	4,372	11,154	23,355
Museums, historical sites, zoos, and parks	<1	5,962	8,046	14,271
Amusement parks and arcades	<1	1,657	7,182	10,099
Gambling industries (except casino hotels)	<1	8,151	27,674	44,520
Other amusement and recreation industries	<1	12,608	19,459	37,440
Fitness and recreational sports centers	<1	11,135	20,969	39,360
Bowling centers	<1	1,775	3,451	6,773
Hotels and motels, including casino hotels	<1	10,646	20,578	37,866
Other accommodations	<1	2,846	3,930	5,641
Full-service restaurants	11	237,137	336,947	626,967
Limited-service restaurants	8	154,216	239,900	557,803
All other food and drinking places	5	138,767	188,031	298,039
Automotive repair and maintenance, except car washes	2	101,843	129,298	198,701
Car washes	1	48,361	75,810	120,794
Electronic and precision equipment repair and maintenance	<1	31,638	36,842	70,799
Commercial and industrial machinery and equipment repair and maintenance	1	74,056	73,305	120,399
Personal and household goods repair and maintenance	<1	15,219	29,961	46,104
Personal care services	2	44,390	43,060	59,159
Death care services	<1	10,099	9,256	13,112

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Dry-cleaning and laundry services	1	30,683	26,993	35,590
Other personal services	1	32,374	39,845	62,206
Religious organizations	2	63,946	48,986	145,681
Grantmaking, giving, and social advocacy organizations	<1	15,136	58,532	89,662
Business and professional associations	<1	26,137	50,789	91,136
Labor and civic organizations	<1	10,731	36,248	64,205
Private households	1	16,580	16,580	16,580
Postal service	1	84,962	84,981	91,152
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	4,431	-1,546	17,780
State government passenger transit	0	0	0	0
State government electric utilities	<1	32,969	47,405	142,864
Other state government enterprises	<1	95,479	133,647	215,794
Local government passenger transit	<1	22,921	-409	28,305
Local government electric utilities	<1	6,556	22,739	52,281
Other local government enterprises	4	212,384	578,172	1,204,300
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	63,194	136,013	311,160

Oregon

NASA

Table 736: Detailed NASA Impacts by Types of Impact, Oregon

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	244	11,977,275	26,378,870	46,519,035
Oilseed farming	<1	-5	285	501
Grain farming	<1	2,611	14,680	51,592
Vegetable and melon farming	<1	3,660	11,802	21,281
Fruit farming	<1	4,393	15,776	21,115
Tree nut farming	<1	1,977	7,030	9,001
Greenhouse, nursery, and floriculture production	<1	4,717	10,129	16,714
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	67	154	276
All other crop farming	<1	3,561	7,662	13,540
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	248	8,642	39,336
Dairy cattle and milk production	<1	996	4,995	31,108
Poultry and egg production	<1	723	1,716	14,457
Animal production, except cattle and poultry and eggs	<1	1,967	21,649	33,323
Forestry, forest products, and timber tract production	<1	772	1,058	1,253
Commercial logging	<1	5,217	6,964	10,072
Commercial fishing	<1	6,156	5,866	6,242
Commercial hunting and trapping	<1	74	208	230
Support activities for agriculture and forestry	<1	20,398	28,713	34,719
Oil and gas extraction	<1	383	651	37,188
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	24	60	183
Silver ore mining	<1	61	136	420
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,220	3,794	10,618
Sand and gravel mining	<1	1,263	3,088	7,917

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Other clay, ceramic, refractory minerals mining	<1	75	154	522
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	259	586	1,650
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	1	2	21
Metal mining services	<1	10	24	644
Other nonmetallic minerals services	<1	2	8	73
Electric power generation - Hydroelectric	<1	1,529	6,911	14,279
Electric power generation - Fossil fuel	<1	2,508	12,798	28,955
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	39	176	278
Electric power generation - Wind	<1	2,349	27,303	47,721
Electric power generation - Geothermal	<1	261	807	1,522
Electric power generation - Biomass	<1	527	3,465	10,017
Electric power generation - All other	<1	126	118	291
Electric power transmission and distribution	<1	22,312	108,189	248,915
Natural gas distribution	<1	15,574	59,782	123,395
Water, sewage and other systems	<1	1,437	4,025	8,036
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	45,846	92,345	202,343
Maintenance and repair construction of residential structures	<1	17,932	32,755	72,435
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	49	107
Dog and cat food manufacturing	<1	213	671	3,245
Other animal food manufacturing	<1	1,573	3,677	29,308
Flour milling	<1	2,118	4,509	30,744
Rice milling	0	0	0	0
Malt manufacturing	<1	708	1,417	9,892
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	35	188	2,484
Fats and oils refining and blending	<1	104	239	3,199
Breakfast cereal manufacturing	<1	2,887	7,638	40,482
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	707	1,323	8,367
Chocolate and confectionery manufacturing from cacao beans	<1	28	54	607
Confectionery manufacturing from purchased chocolate	<1	637	1,082	6,894
Frozen fruits, juices and vegetables manufacturing	<1	2,471	5,368	28,789
Frozen specialties manufacturing	<1	4,365	7,401	37,297
Canned fruits and vegetables manufacturing	<1	1,129	2,566	14,657
Canned specialties	<1	2,468	6,599	38,508
Dehydrated food products manufacturing	<1	1,020	2,078	9,494
Cheese manufacturing	<1	2,562	4,539	49,682
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	2,514	4,668	33,250
Creamery butter manufacturing	<1	142	626	4,731
Ice cream and frozen dessert manufacturing	<1	1,383	2,355	11,603
Frozen cakes and other pastries manufacturing	<1	2,780	4,365	8,617

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Poultry processing	<1	1,060	1,676	6,248
Animal, except poultry, slaughtering	<1	1,484	2,450	23,342
Meat processed from carcasses	<1	5,672	7,415	63,973
Rendering and meat byproduct processing	<1	181	298	1,353
Seafood product preparation and packaging	<1	1,511	2,385	15,096
Bread and bakery product, except frozen, manufacturing	<1	11,672	19,479	49,609
Cookie and cracker manufacturing	<1	4,328	7,477	25,783
Dry pasta, mixes, and dough manufacturing	<1	567	1,375	7,027
Tortilla manufacturing	<1	844	1,340	5,893
Roasted nuts and peanut butter manufacturing	<1	645	1,305	5,593
Other snack food manufacturing	<1	1,947	4,710	22,478
Coffee and tea manufacturing	<1	1,252	2,602	17,730
Flavoring syrup and concentrate manufacturing	<1	32	249	863
Mayonnaise, dressing, and sauce manufacturing	<1	341	747	4,693
Spice and extract manufacturing	<1	291	568	3,520
All other food manufacturing	<1	3,151	5,658	33,148
Bottled and canned soft drinks & water	<1	1,444	2,882	17,353
Manufactured ice	<1	136	69	553
Breweries	<1	5,455	14,929	50,766
Wineries	<1	4,837	9,663	40,347
Distilleries	<1	519	4,440	11,499
Tobacco product manufacturing	<1	172	6,008	11,500
Fiber, yarn, and thread mills	<1	18	45	326
Broadwoven fabric mills	<1	62	156	702
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	20	40	194
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	133	247	807
Textile bag and canvas mills	<1	245	430	1,338
Rope, cordage, twine, tire cord and tire fabric mills	<1	102	241	690
Other textile product mills	<1	442	777	2,310
Hosiery and sock mills	<1	19	35	86

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Other apparel knitting mills	<1	25	46	113
Cut and sew apparel contractors	<1	173	289	664
Mens and boys cut and sew apparel manufacturing	<1	251	487	1,178
Womens and girls cut and sew apparel manufacturing	<1	138	382	1,235
Other cut and sew apparel manufacturing	<1	68	155	475
Apparel accessories and other apparel manufacturing	<1	117	273	682
Leather and hide tanning and finishing	<1	2	7	28
Footwear manufacturing	<1	250	417	1,293
Other leather and allied product manufacturing	<1	24	38	121
Sawmills	<1	4,078	8,591	26,693
Wood preservation	<1	318	1,118	4,243
Veneer and plywood manufacturing	<1	2,106	4,420	14,164
Engineered wood member and truss manufacturing	<1	1,198	2,428	6,918
Reconstituted wood product manufacturing	<1	1,023	3,150	11,624
Wood windows and door manufacturing	<1	4,597	9,254	26,296
Cut stock, resawing lumber, and planing	<1	1,691	3,989	11,292
Other millwork, including flooring	<1	1,291	2,886	8,027
Wood container and pallet manufacturing	<1	1,259	2,237	6,428
Manufactured home (mobile home) manufacturing	<1	6	11	30
Prefabricated wood building manufacturing	<1	241	444	1,283
All other miscellaneous wood product manufacturing	<1	476	935	3,059
Pulp mills	<1	281	615	2,328
Paper mills	<1	5,013	15,283	50,613
Paperboard mills	<1	1,271	4,305	14,716
Paperboard container manufacturing	<1	3,654	7,935	32,049
Paper bag and coated and treated paper manufacturing	<1	2,420	6,465	21,948
Stationery product manufacturing	<1	138	302	1,384
Sanitary paper product manufacturing	<1	1,773	7,282	21,052
All other converted paper product manufacturing	<1	99	205	627

Appendix

Printing	<1	17,335	37,802	79,555
Support activities for printing	<1	774	1,627	2,630
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	166	381	1,795
Asphalt shingle and coating materials manufacturing	<1	398	2,093	5,135
Petroleum lubricating oil and grease manufacturing	<1	325	1,608	4,407
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,081	2,510	9,606
Synthetic dye and pigment manufacturing	<1	962	2,171	8,578
Other basic inorganic chemical manufacturing	<1	589	1,463	5,812
Other basic organic chemical manufacturing	<1	1,080	2,518	22,778
Plastics material and resin manufacturing	<1	369	754	6,942
Synthetic rubber manufacturing	<1	33	60	343
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	655	1,710	7,365
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	290	655	2,951
Pesticide and other agricultural chemical manufacturing	<1	1,121	3,335	16,699
Medicinal and botanical manufacturing	<1	113	204	1,073
Pharmaceutical preparation manufacturing	<1	512	1,802	9,538
In-vitro diagnostic substance manufacturing	<1	29	49	142
Biological product (except diagnostic) manufacturing	<1	98	218	607
Paint and coating manufacturing	<1	1,633	3,428	17,637
Adhesive manufacturing	<1	399	745	3,148
Soap and other detergent manufacturing	<1	881	2,838	16,670
Polish and other sanitation good manufacturing	<1	172	329	1,538
Surface active agent manufacturing	<1	279	939	3,587
Toilet preparation manufacturing	<1	721	2,273	11,465
Printing ink manufacturing	<1	182	351	1,799

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	102	180	769
Photographic film and chemical manufacturing	<1	2,313	6,252	26,194
Other miscellaneous chemical product manufacturing	<1	1,484	2,997	18,324
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	793	1,567	5,635
Unlaminated plastics profile shape manufacturing	<1	445	1,160	4,875
Plastics pipe and pipe fitting manufacturing	<1	263	796	3,250
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	445	986	3,263
Polystyrene foam product manufacturing	<1	128	271	951
Urethane and other foam product (except polystyrene) manufacturing	<1	731	1,486	6,437
Plastics bottle manufacturing	<1	81	160	667
Other plastics product manufacturing	<1	14,379	26,982	91,867
Tire manufacturing	<1	870	1,682	9,657
Rubber and plastics hoses and belting manufacturing	<1	204	402	1,263
Other rubber product manufacturing	<1	2,134	4,432	17,606
Pottery, ceramics, and plumbing fixture manufacturing	<1	479	958	2,054
Brick, tile, and other structural clay product manufacturing	<1	500	1,258	3,340
Flat glass manufacturing	<1	256	803	2,023
Other pressed and blown glass and glassware manufacturing	<1	1,104	3,137	8,216
Glass container manufacturing	<1	783	1,754	4,730
Glass product manufacturing made of purchased glass	<1	2,532	6,763	17,271
Cement manufacturing	<1	132	456	1,249
Ready-mix concrete manufacturing	<1	1,774	4,388	15,077
Concrete block and brick manufacturing	<1	630	1,616	4,391
Concrete pipe manufacturing	<1	49	118	301
Other concrete product manufacturing	<1	922	1,858	4,568
Lime manufacturing	<1	252	860	2,328
Gypsum product manufacturing	<1	420	1,629	4,349

Appendix

Abrasive product manufacturing	<1	502	1,902	2,999
Cut stone and stone product manufacturing	<1	500	863	1,981
Ground or treated mineral and earth manufacturing	<1	113	431	964
Mineral wool manufacturing	<1	40	140	329
Miscellaneous nonmetallic mineral products manufacturing	<1	48	208	480
Iron and steel mills and ferroalloy manufacturing	<1	5,875	15,717	82,324
Iron, steel pipe and tube manufacturing from purchased steel	<1	99	237	894
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	146	383	2,906
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	364	711	3,523
Nonferrous metal (exc aluminum) smelting and refining	<1	615	3,822	12,016
Copper rolling, drawing, extruding and alloying	<1	723	1,525	10,103
Nonferrous metal, except copper and aluminum, shaping	<1	42	78	300
Secondary processing of other nonferrous metals	<1	<1	<1	1
Ferrous metal foundries	<1	3,812	7,919	16,980
Nonferrous metal foundries	<1	3,873	7,898	19,069
Custom roll forming	<1	269	535	3,145
Crown and closure manufacturing and metal stamping	<1	355	570	1,892
Iron and steel forging	<1	278	523	2,263
Nonferrous forging	<1	113	194	647
Cutlery, utensil, pot, and pan manufacturing	<1	3,453	9,511	28,816
Handtool manufacturing	<1	2,724	5,308	11,083
Prefabricated metal buildings and components manufacturing	<1	199	376	1,360
Fabricated structural metal manufacturing	<1	2,519	4,857	14,153
Plate work manufacturing	<1	1,121	1,716	5,123
Metal window and door manufacturing	<1	651	1,147	3,356
Sheet metal work manufacturing	<1	1,893	3,009	8,402

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Ornamental and architectural metal work manufacturing	<1	1,728	2,931	8,448
Power boiler and heat exchanger manufacturing	<1	27	48	157
Metal tank (heavy gauge) manufacturing	<1	145	246	746
Metal cans manufacturing	<1	140	353	2,157
Metal barrels, drums and pails manufacturing	<1	314	511	2,338
Hardware manufacturing	<1	120	248	868
Spring and wire product manufacturing	<1	24,836	31,529	96,555
Machine shops	<1	7,232	11,662	25,116
Turned product and screw, nut, and bolt manufacturing	<1	1,253	2,153	6,387
Metal heat treating	<1	636	1,072	3,013
Metal coating and nonprecious engraving	<1	1,451	2,715	7,806
Electroplating, anodizing, and coloring metal	<1	1,450	2,071	4,871
Valve and fittings, other than plumbing, manufacturing	<1	126	251	849
Plumbing fixture fitting and trim manufacturing	<1	258	808	3,345
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	1,094	2,580	6,103
Ammunition, except for small arms, manufacturing	<1	11	19	62
Small arms, ordnance, and accessories manufacturing	<1	36	79	323
Fabricated pipe and pipe fitting manufacturing	<1	631	1,036	3,031
Other fabricated metal manufacturing	<1	2,605	4,424	13,384
Farm machinery and equipment manufacturing	<1	191	634	2,230
Lawn and garden equipment manufacturing	<1	16	54	242
Construction machinery manufacturing	<1	90	380	1,014
Mining machinery and equipment manufacturing	<1	7	20	58
Oil and gas field machinery and equipment manufacturing	<1	7	20	58
Semiconductor machinery manufacturing	<1	278	555	1,589
Food product machinery manufacturing	<1	12	21	73

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Sawmill, woodworking, and paper machinery	<1	282	515	1,528
Printing machinery and equipment manufacturing	<1	17	53	146
All other industrial machinery manufacturing	<1	39	79	222
Optical instrument and lens manufacturing	<1	23	58	155
Photographic and photocopying equipment manufacturing	<1	25	53	176
Other commercial service industry machinery manufacturing	<1	130	380	1,045
Air purification and ventilation equipment manufacturing	<1	187	437	1,082
Heating equipment (except warm air furnaces) manufacturing	<1	611	1,555	4,202
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	369	1,192	3,494
Industrial mold manufacturing	<1	137	254	581
Special tool, die, jig, and fixture manufacturing	<1	63	134	275
Cutting tool and machine tool accessory manufacturing	<1	95	160	480
Machine tool manufacturing	<1	26	53	154
Rolling mill and other metalworking machinery manufacturing	<1	11	19	41
Turbine and turbine generator set units manufacturing	<1	3	6	20
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2	4	9
Mechanical power transmission equipment manufacturing	<1	185	539	1,240
Other engine equipment manufacturing	<1	13	51	179
Pump and pumping equipment manufacturing	<1	80	261	669
Air and gas compressor manufacturing	<1	4	12	33
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	99	169	531
Overhead cranes, hoists, and monorail systems manufacturing	<1	6,429	18,593	65,364
Industrial truck, trailer, and stacker manufacturing	<1	183	506	1,293

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Power-driven handtool manufacturing	<1	66	314	795
Welding and soldering equipment manufacturing	<1	2	4	12
Packaging machinery manufacturing	<1	29	69	184
Industrial process furnace and oven manufacturing	<1	15	26	61
Fluid power cylinder and actuator manufacturing	<1	180	435	1,022
Fluid power pump and motor manufacturing	<1	120	349	955
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	27	52	159
Electronic computer manufacturing	<1	38	163	451
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	4,692	11,074	24,234
Telephone apparatus manufacturing	<1	2	8	32
Broadcast and wireless communications equipment manufacturing	<1	5	15	36
Other communications equipment manufacturing	<1	189	634	1,589
Audio and video equipment manufacturing	<1	99	321	977
Printed circuit assembly (electronic assembly) manufacturing	<1	668	2,066	6,274
Bare printed circuit board manufacturing	<1	389	741	2,009
Semiconductor and related device manufacturing	<1	20,225	53,896	109,005
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	534	1,191	2,590
Electronic connector manufacturing	<1	96	267	637
Other electronic component manufacturing	<1	509	1,023	2,491
Electromedical and electrotherapeutic apparatus manufacturing	<1	31	122	279
Search, detection, and navigation instruments manufacturing	<1	278	715	1,151
Automatic environmental control manufacturing	<1	6	14	33

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Industrial process variable instruments manufacturing	<1	98	291	628
Totalizing fluid meter and counting device manufacturing	<1	51	243	532
Electricity and signal testing instruments manufacturing	<1	1,576	3,431	8,165
Analytical laboratory instrument manufacturing	<1	32,191	78,591	140,973
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	32	121	296
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	47	129	257
Electric lamp bulb and part manufacturing	<1	129	525	1,053
Lighting fixture manufacturing	<1	297	848	2,089
Small electrical appliance manufacturing	<1	24	111	286
Household cooking appliance manufacturing	<1	23	105	221
Household refrigerator and home freezer manufacturing	<1	26	126	255
Household laundry equipment manufacturing	<1	56	190	514
Other major household appliance manufacturing	<1	12	64	123
Power, distribution, and specialty transformer manufacturing	<1	3	8	25
Motor and generator manufacturing	<1	6	19	47
Switchgear and switchboard apparatus manufacturing	<1	40	138	345
Relay and industrial control manufacturing	<1	515	1,147	2,696
Storage battery manufacturing	<1	998	2,599	6,125
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	376	749	2,733
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	586	2,196	4,301
Carbon and graphite product manufacturing	<1	631	2,318	5,872
All other miscellaneous electrical equipment and component manufacturing	<1	1,017	1,328	3,458
Automobile manufacturing	<1	6	34	152

Appendix

Light truck and utility vehicle manufacturing	<1	249	814	10,756
Heavy duty truck manufacturing	<1	170	695	4,642
Motor vehicle body manufacturing	<1	35	69	248
Truck trailer manufacturing	<1	7	14	51
Motor home manufacturing	<1	3,134	6,924	25,196
Travel trailer and camper manufacturing	<1	4,490	6,979	30,147
Motor vehicle gasoline engine and engine parts manufacturing	<1	51	120	725
Motor vehicle electrical and electronic equipment manufacturing	<1	1,767	3,459	17,282
Motor vehicle transmission and power train parts manufacturing	<1	2,236	5,388	22,557
Motor vehicle seating and interior trim manufacturing	<1	6	10	74
Motor vehicle metal stamping	<1	24	49	203
Other motor vehicle parts manufacturing	<1	1,581	3,235	14,702
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	239	603	2,541
Aircraft manufacturing	<1	9	14	82
Aircraft engine and engine parts manufacturing	<1	19	40	154
Other aircraft parts and auxiliary equipment manufacturing	<1	192	287	688
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	64	93	442
Ship building and repairing	<1	516	795	1,712
Boat building	<1	1,493	2,326	9,556
Motorcycle, bicycle, and parts manufacturing	<1	438	829	3,803
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	1,293	2,321	11,671
Wood kitchen cabinet and countertop manufacturing	<1	3,215	6,071	14,457
Upholstered household furniture manufacturing	<1	1,233	1,945	7,738

Appendix

Nonupholstered wood household furniture manufacturing	<1	486	788	2,098
Other household nonupholstered furniture manufacturing	<1	21	45	173
Institutional furniture manufacturing	<1	17	27	86
Wood office furniture manufacturing	<1	1	3	10
Custom architectural woodwork and millwork	<1	39	54	174
Office furniture, except wood, manufacturing	<1	25	61	170
Showcase, partition, shelving, and locker manufacturing	<1	543	1,216	3,035
Mattress manufacturing	<1	217	540	2,137
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	22	29	99
Surgical appliance and supplies manufacturing	<1	1,114	1,516	5,688
Dental equipment and supplies manufacturing	<1	438	567	1,952
Ophthalmic goods manufacturing	<1	191	249	832
Dental laboratories	<1	542	743	1,341
Jewelry and silverware manufacturing	<1	925	1,472	4,466
Sporting and athletic goods manufacturing	<1	1,002	1,377	5,420
Doll, toy, and game manufacturing	<1	165	213	1,178
Office supplies (except paper) manufacturing	<1	991	1,416	5,235
Sign manufacturing	<1	1,609	1,832	4,623
Gasket, packing, and sealing device manufacturing	<1	1,045	1,487	4,389
Musical instrument manufacturing	<1	182	242	641
Fasteners, buttons, needles, and pins manufacturing	<1	324	441	1,248
Broom, brush, and mop manufacturing	<1	632	695	3,235
Burial casket manufacturing	<1	254	357	902
All other miscellaneous manufacturing	<1	1,086	1,567	4,911
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,411	23,379	55,414
Wholesale - Professional and commercial equipment and supplies	<1	30,120	63,170	107,205

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	18,146	49,236	95,642
Wholesale - Machinery, equipment, and supplies	<1	18,947	46,762	83,186
Wholesale - Other durable goods merchant wholesalers	<1	32,847	71,091	137,366
Wholesale - Drugs and druggists' sundries	<1	17,730	59,400	118,456
Wholesale - Grocery and related product wholesalers	<1	34,952	60,389	120,518
Wholesale - Petroleum and petroleum products	<1	3,905	66,534	78,395
Wholesale - Other nondurable goods merchant wholesalers	<1	58,183	148,024	279,348
Wholesale - Wholesale electronic markets and agents and brokers	<1	29,178	41,179	48,576
Retail - Motor vehicle and parts dealers	<1	34,446	57,578	89,620
Retail - Furniture and home furnishings stores	<1	19,087	28,204	47,425
Retail - Electronics and appliance stores	<1	18,876	20,746	39,220
Retail - Building material and garden equipment and supplies stores	<1	21,554	40,760	65,011
Retail - Food and beverage stores	2	64,639	99,811	168,139
Retail - Health and personal care stores	<1	24,776	37,676	60,051
Retail - Gasoline stores	<1	18,859	30,252	59,727
Retail - Clothing and clothing accessories stores	1	26,223	41,561	89,795
Retail - Sporting goods, hobby, musical instrument and book stores	<1	16,612	24,634	42,787
Retail - General merchandise stores	2	58,427	88,623	154,838
Retail - Miscellaneous store retailers	2	33,844	43,695	74,295
Retail - Nonstore retailers	2	35,021	123,562	254,525
Air transportation	<1	30,771	116,223	195,805
Rail transportation	<1	6,190	19,175	34,574
Water transportation	<1	3,506	7,779	29,093
Truck transportation	1	59,389	96,237	176,833
Transit and ground passenger transportation	2	21,282	53,386	69,645
Pipeline transportation	<1	4,459	9,229	11,077
Scenic and sightseeing transportation and support activities for transportation	<1	46,034	74,600	149,444

Appendix

Couriers and messengers	1	25,216	45,778	82,895
Warehousing and storage	<1	29,008	44,079	83,045
Newspaper publishers	<1	5,684	13,626	17,705
Periodical publishers	<1	3,999	9,041	14,357
Book publishers	<1	2,283	9,775	17,267
Directory, mailing list, and other publishers	<1	516	2,056	3,122
Greeting card publishing	<1	60	219	318
Software publishers	4	683,754	1,463,101	1,599,316
Motion picture and video industries	<1	16,350	42,092	101,207
Sound recording industries	<1	934	9,199	15,980
Radio and television broadcasting	<1	29,867	49,814	121,808
Cable and other subscription programming	<1	2,320	15,495	43,044
Wired telecommunications carriers	<1	23,102	67,882	131,011
Wireless telecommunications carriers (except satellite)	<1	3,071	28,119	70,710
Satellite, telecommunications resellers, and all other telecommunications	<1	2,081	4,039	12,091
Data processing, hosting, and related services	2	173,639	497,078	1,035,281
News syndicates, libraries, archives and all other information services	<1	1,458	2,976	8,268
Internet publishing and broadcasting and web search portals	<1	23,806	95,895	311,175
Nondepository credit intermediation and related activities	<1	41,039	69,585	107,941
Securities and commodity contracts intermediation and brokerage	<1	38,081	47,550	108,052
Monetary authorities and depository credit intermediation	2	118,620	430,578	750,323
Other financial investment activities	1	44,815	77,934	236,349
Direct life insurance carriers	<1	2,236	5,850	7,725
Insurance carriers, except direct life	<1	54,350	250,260	486,172
Insurance agencies, brokerages, and related activities	1	61,577	141,840	317,721
Funds, trusts, and other financial vehicles	<1	12,510	21,111	120,537
Other real estate	13	226,367	1,139,753	2,623,835
Tenant-occupied housing	<1	15,751	348,388	384,161

Appendix

Owner-occupied dwellings	0	0	1,059,924	1,345,526
Automotive equipment rental and leasing	<1	21,211	58,226	77,052
General and consumer goods rental except video tapes and discs	<1	21,139	32,760	47,716
Video tape and disc rental	<1	3,705	7,563	11,859
Commercial and industrial machinery and equipment rental and leasing	<1	23,812	62,196	81,678
Lessors of nonfinancial intangible assets	<1	1,946	110,689	123,176
Legal services	3	160,313	348,743	528,372
Accounting, tax preparation, bookkeeping, and payroll services	1	67,159	129,588	196,161
Architectural, engineering, and related services	5	307,929	431,353	779,316
Specialized design services	1	9,940	126,568	185,844
Custom computer programming services	<1	32,313	52,434	71,631
Computer systems design services	<1	44,595	64,678	82,459
Other computer related services, including facilities management	<1	25,163	65,328	110,028
Management consulting services	3	138,566	221,659	360,557
Environmental and other technical consulting services	<1	42,212	65,330	100,146
Scientific research and development services	50	2,815,670	7,830,051	13,173,171
Advertising, public relations, and related services	2	83,895	165,188	289,884
Photographic services	<1	2,363	8,125	14,619
Veterinary services	<1	12,174	20,676	32,095
Marketing research and all other miscellaneous professional, scientific, and technical services	1	53,487	155,861	287,659
Management of companies and enterprises	4	410,319	718,200	1,093,501
Office administrative services	<1	22,445	10,362	28,444
Facilities support services	<1	2,460	4,813	11,879
Employment services	8	246,110	494,330	729,453
Business support services	2	54,092	62,390	108,242
Travel arrangement and reservation services	<1	13,343	23,681	57,050
Investigation and security services	<1	25,983	35,616	51,107
Services to buildings	2	35,053	65,338	120,986
Landscape and horticultural services	1	34,321	57,859	100,612

Appendix

Other support services	<1	21,634	36,774	68,738
Waste management and remediation services	<1	17,958	45,256	80,530
Elementary and secondary schools	1	30,557	35,231	42,871
Junior colleges, colleges, universities, and professional schools	33	774,260	1,385,480	2,079,025
Other educational services	<1	21,843	33,408	66,466
Offices of physicians	3	221,909	315,055	443,957
Offices of dentists	<1	48,228	80,305	112,823
Offices of other health practitioners	<1	37,748	72,161	98,618
Outpatient care centers	<1	65,510	80,865	122,555
Medical and diagnostic laboratories	<1	13,767	26,092	36,847
Home health care services	<1	19,850	25,789	32,638
Other ambulatory health care services	<1	14,918	22,385	35,048
Hospitals	4	316,565	508,039	907,608
Nursing and community care facilities	2	54,234	80,365	141,467
Residential mental retardation, mental health, substance abuse and other facilities	<1	24,653	35,159	53,428
Individual and family services	3	65,162	79,768	117,586
Child day care services	<1	17,391	37,213	48,662
Community food, housing, and other relief services, including rehabilitation services	<1	18,336	24,735	52,453
Performing arts companies	<1	10,651	20,870	38,944
Commercial Sports Except Racing	1	26,079	33,968	55,125
Racing and Track Operation	<1	763	1,809	3,236
Independent artists, writers, and performers	<1	8,334	37,868	57,896
Promoters of performing arts and sports and agents for public figures	<1	7,661	19,361	40,932
Museums, historical sites, zoos, and parks	<1	3,388	6,079	10,324
Amusement parks and arcades	<1	989	3,971	5,125
Gambling industries (except casino hotels)	<1	10,209	32,105	52,467
Other amusement and recreation industries	<1	11,248	19,531	35,466
Fitness and recreational sports centers	<1	8,921	18,974	32,327
Bowling centers	<1	1,503	3,486	5,724

Appendix

Hotels and motels, including casino hotels	<1	16,025	41,792	65,647
Other accommodations	<1	3,692	7,189	9,963
Full-service restaurants	6	124,408	236,895	387,591
Limited-service restaurants	4	75,833	151,455	318,176
All other food and drinking places	3	76,675	147,163	221,251
Automotive repair and maintenance, except car washes	2	78,445	99,800	153,200
Car washes	<1	34,818	59,602	93,679
Electronic and precision equipment repair and maintenance	2	134,895	141,851	234,815
Commercial and industrial machinery and equipment repair and maintenance	<1	36,135	38,893	59,099
Personal and household goods repair and maintenance	<1	8,510	19,698	28,963
Personal care services	1	26,493	30,383	40,107
Death care services	<1	5,255	4,115	6,043
Dry-cleaning and laundry services	<1	17,144	12,804	17,495
Other personal services	<1	18,454	30,103	42,906
Religious organizations	2	76,900	44,528	180,707
Grantmaking, giving, and social advocacy organizations	<1	20,786	83,902	127,346
Business and professional associations	<1	13,229	30,710	54,678
Labor and civic organizations	<1	11,294	40,536	70,270
Private households	<1	11,636	15,707	15,707
Postal service	<1	31,992	44,672	47,692
Federal electric utilities	<1	12,123	29,386	130,329
Other federal government enterprises	<1	410	190	1,207
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,086	5,124	8,066
Local government passenger transit	<1	19,040	-15,298	20,449
Local government electric utilities	<1	6,211	24,143	41,805
Other local government enterprises	<1	61,842	180,165	343,351
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,493,642	1,399,443	3,201,546

Moon to Mars Campaign

Table 737: Detailed M2M Campaign Impacts by Types of Impact, Oregon

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>16</i>	<i>1,329,795</i>	<i>2,430,183</i>	<i>3,727,374</i>
Oilseed farming	<1	-1	30	60
Grain farming	<1	211	928	3,066
Vegetable and melon farming	<1	351	859	1,546
Fruit farming	<1	458	1,234	1,658
Tree nut farming	<1	270	714	903
Greenhouse, nursery, and floriculture production	<1	435	692	1,131
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	5	8	15
All other crop farming	<1	280	454	796
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	23	504	2,141
Dairy cattle and milk production	<1	100	349	2,063
Poultry and egg production	<1	58	111	844
Animal production, except cattle and poultry and eggs	<1	133	1,137	1,768
Forestry, forest products, and timber tract production	<1	74	70	81
Commercial logging	<1	409	387	541
Commercial fishing	<1	612	376	404
Commercial hunting and trapping	<1	11	15	16
Support activities for agriculture and forestry	<1	1,770	1,710	2,072
Oil and gas extraction	<1	19	29	1,724

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	1	2	7
Silver ore mining	<1	2	3	10
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	107	198	564
Sand and gravel mining	<1	101	151	379
Other clay, ceramic, refractory minerals mining	<1	5	7	23
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	26	36	101
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	1	2	53
Other nonmetallic minerals services	<1	<1	<1	3
Electric power generation - Hydroelectric	<1	141	451	912
Electric power generation - Fossil fuel	<1	305	1,056	2,207
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	3	11	17
Electric power generation - Wind	<1	192	1,582	2,707
Electric power generation - Geothermal	<1	31	67	126
Electric power generation - Biomass	<1	44	221	596
Electric power generation - All other	<1	15	10	23
Electric power transmission and distribution	<1	2,259	7,766	16,971
Natural gas distribution	<1	1,322	3,801	7,494
Water, sewage and other systems	<1	111	229	430
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,893	5,436	11,672
Maintenance and repair construction of residential structures	<1	1,851	2,514	5,467
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	8
Dog and cat food manufacturing	<1	18	44	205
Other animal food manufacturing	<1	142	243	1,853
Flour milling	<1	172	275	1,869
Rice milling	0	0	0	0
Malt manufacturing	<1	48	75	485
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	4	15	189
Fats and oils refining and blending	<1	11	20	250
Breakfast cereal manufacturing	<1	209	421	2,104
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	79	110	664
Chocolate and confectionery manufacturing from cacao beans	<1	4	6	61
Confectionery manufacturing from purchased chocolate	<1	60	77	457
Frozen fruits, juices and vegetables manufacturing	<1	259	435	2,118
Frozen specialties manufacturing	<1	419	530	2,641
Canned fruits and vegetables manufacturing	<1	135	231	1,284

Appendix

Canned specialties	<1	238	469	2,693
Dehydrated food products manufacturing	<1	115	174	781
Cheese manufacturing	<1	250	330	3,647
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	228	324	2,264
Creamery butter manufacturing	<1	13	42	310
Ice cream and frozen dessert manufacturing	<1	112	146	666
Frozen cakes and other pastries manufacturing	<1	266	310	605
Poultry processing	<1	89	107	388
Animal, except poultry, slaughtering	<1	106	132	1,240
Meat processed from carcasses	<1	570	555	4,737
Rendering and meat byproduct processing	<1	20	24	107
Seafood product preparation and packaging	<1	107	131	786
Bread and bakery product, except frozen, manufacturing	<1	1,078	1,349	3,400
Cookie and cracker manufacturing	<1	478	649	2,046
Dry pasta, mixes, and dough manufacturing	<1	53	96	510
Tortilla manufacturing	<1	79	93	405
Roasted nuts and peanut butter manufacturing	<1	69	108	433
Other snack food manufacturing	<1	193	352	1,637
Coffee and tea manufacturing	<1	104	167	1,102
Flavoring syrup and concentrate manufacturing	<1	4	20	69
Mayonnaise, dressing, and sauce manufacturing	<1	33	54	326
Spice and extract manufacturing	<1	34	51	294
All other food manufacturing	<1	350	467	2,651
Bottled and canned soft drinks & water	<1	138	209	1,224
Manufactured ice	<1	14	5	40
Breweries	<1	449	968	3,211
Wineries	<1	635	942	3,774
Distilleries	<1	49	322	796
Tobacco product manufacturing	<1	21	662	1,161
Fiber, yarn, and thread mills	<1	2	3	20
Broadwoven fabric mills	<1	5	10	41
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3	4	19
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	15	20	64
Textile bag and canvas mills	<1	24	31	93
Rope, cordage, twine, tire cord and tire fabric mills	<1	7	12	32
Other textile product mills	<1	49	64	181
Hosiery and sock mills	<1	2	3	6
Other apparel knitting mills	<1	3	4	9
Cut and sew apparel contractors	<1	21	23	52
Mens and boys cut and sew apparel manufacturing	<1	33	48	107
Womens and girls cut and sew apparel manufacturing	<1	20	41	127
Other cut and sew apparel manufacturing	<1	8	14	40
Apparel accessories and other apparel manufacturing	<1	15	26	60
Leather and hide tanning and finishing	<1	<1	<1	2
Footwear manufacturing	<1	27	33	98
Other leather and allied product manufacturing	<1	3	4	11
Sawmills	<1	293	443	1,388
Wood preservation	<1	21	55	208
Veneer and plywood manufacturing	<1	134	206	663
Engineered wood member and truss manufacturing	<1	83	119	338
Reconstituted wood product manufacturing	<1	69	152	549
Wood windows and door manufacturing	<1	296	399	1,120
Cut stock, resawing lumber, and planing	<1	126	211	590
Other millwork, including flooring	<1	93	141	380
Wood container and pallet manufacturing	<1	120	159	446
Manufactured home (mobile home) manufacturing	<1	<1	<1	2
Prefabricated wood building manufacturing	<1	18	24	71
All other miscellaneous wood product manufacturing	<1	47	69	208
Pulp mills	<1	17	26	103

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Paper mills	<1	384	785	2,772
Paperboard mills	<1	132	306	1,100
Paperboard container manufacturing	<1	443	694	2,782
Paper bag and coated and treated paper manufacturing	<1	251	449	1,540
Stationery product manufacturing	<1	13	20	88
Sanitary paper product manufacturing	<1	174	490	1,490
All other converted paper product manufacturing	<1	10	14	45
Printing	<1	2,299	3,557	7,096
Support activities for printing	<1	118	169	268
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	15	24	111
Asphalt shingle and coating materials manufacturing	<1	34	125	302
Petroleum lubricating oil and grease manufacturing	<1	36	128	341
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	94	158	586
Synthetic dye and pigment manufacturing	<1	99	158	640
Other basic inorganic chemical manufacturing	<1	51	92	353
Other basic organic chemical manufacturing	<1	93	155	1,440
Plastics material and resin manufacturing	<1	34	50	463
Synthetic rubber manufacturing	<1	4	5	31
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	71	135	545
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	27	44	196
Pesticide and other agricultural chemical manufacturing	<1	86	188	960
Medicinal and botanical manufacturing	<1	14	20	97
Pharmaceutical preparation manufacturing	<1	68	184	927
In-vitro diagnostic substance manufacturing	<1	5	7	20

Appendix

Biological product (except diagnostic) manufacturing	<1	16	27	71
Paint and coating manufacturing	<1	147	234	1,194
Adhesive manufacturing	<1	47	65	259
Soap and other detergent manufacturing	<1	94	239	1,193
Polish and other sanitation good manufacturing	<1	19	27	115
Surface active agent manufacturing	<1	24	63	221
Toilet preparation manufacturing	<1	89	216	1,043
Printing ink manufacturing	<1	40	44	227
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	29	50	194
Photographic film and chemical manufacturing	<1	219	392	1,581
Other miscellaneous chemical product manufacturing	<1	174	259	1,592
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	105	152	537
Unlaminated plastics profile shape manufacturing	<1	37	68	278
Plastics pipe and pipe fitting manufacturing	<1	23	50	206
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	32	52	170
Polystyrene foam product manufacturing	<1	11	16	57
Urethane and other foam product (except polystyrene) manufacturing	<1	69	101	432
Plastics bottle manufacturing	<1	10	14	57
Other plastics product manufacturing	<1	1,439	1,928	6,343
Tire manufacturing	<1	63	91	532
Rubber and plastics hoses and belting manufacturing	<1	17	23	72
Other rubber product manufacturing	<1	210	276	1,115
Pottery, ceramics, and plumbing fixture manufacturing	<1	37	52	118
Brick, tile, and other structural clay product manufacturing	<1	36	62	169
Flat glass manufacturing	<1	32	66	172
Other pressed and blown glass and glassware manufacturing	<1	135	234	611
Glass container manufacturing	<1	71	114	316

Appendix

Glass product manufacturing made of purchased glass	<1	257	438	1,137
Cement manufacturing	<1	8	19	54
Ready-mix concrete manufacturing	<1	109	188	649
Concrete block and brick manufacturing	<1	43	77	217
Concrete pipe manufacturing	<1	3	6	15
Other concrete product manufacturing	<1	62	88	219
Lime manufacturing	<1	16	41	110
Gypsum product manufacturing	<1	36	96	259
Abrasive product manufacturing	<1	66	173	277
Cut stone and stone product manufacturing	<1	44	53	122
Ground or treated mineral and earth manufacturing	<1	9	23	52
Mineral wool manufacturing	<1	4	9	20
Miscellaneous nonmetallic mineral products manufacturing	<1	5	13	30
Iron and steel mills and ferroalloy manufacturing	<1	523	974	5,422
Iron, steel pipe and tube manufacturing from purchased steel	<1	11	18	67
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	22	40	303
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	72	103	517
Nonferrous metal (exc aluminum) smelting and refining	<1	38	158	525
Copper rolling, drawing, extruding and alloying	<1	108	168	1,064
Nonferrous metal, except copper and aluminum, shaping	<1	3	4	17
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	<1	388	565	1,251
Nonferrous metal foundries	<1	572	803	1,957
Custom roll forming	<1	18	27	158
Crown and closure manufacturing and metal stamping	<1	43	52	168
Iron and steel forging	<1	23	33	143

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Nonferrous forging	<1	10	13	41
Cutlery, utensil, pot, and pan manufacturing	<1	436	893	2,669
Handtool manufacturing	<1	419	597	1,213
Prefabricated metal buildings and components manufacturing	<1	18	22	83
Fabricated structural metal manufacturing	<1	163	211	619
Plate work manufacturing	<1	87	94	275
Metal window and door manufacturing	<1	53	66	191
Sheet metal work manufacturing	<1	310	376	1,038
Ornamental and architectural metal work manufacturing	<1	114	136	389
Power boiler and heat exchanger manufacturing	<1	5	7	22
Metal tank (heavy gauge) manufacturing	<1	22	26	76
Metal cans manufacturing	<1	15	27	164
Metal barrels, drums and pails manufacturing	<1	28	33	149
Hardware manufacturing	<1	11	16	55
Spring and wire product manufacturing	<1	110	133	413
Machine shops	<1	1,029	1,189	2,541
Turned product and screw, nut, and bolt manufacturing	<1	377	489	1,427
Metal heat treating	<1	207	267	754
Metal coating and nonprecious engraving	<1	457	677	1,965
Electroplating, anodizing, and coloring metal	<1	409	449	1,055
Valve and fittings, other than plumbing, manufacturing	<1	13	18	62
Plumbing fixture fitting and trim manufacturing	<1	19	42	171
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	126	222	496
Ammunition, except for small arms, manufacturing	<1	1	1	5
Small arms, ordnance, and accessories manufacturing	<1	4	7	27
Fabricated pipe and pipe fitting manufacturing	<1	43	50	149
Other fabricated metal manufacturing	<1	284	346	1,028
Farm machinery and equipment manufacturing	<1	16	36	122

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Lawn and garden equipment manufacturing	<1	2	5	20
Construction machinery manufacturing	<1	5	16	40
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	58	75	210
Food product machinery manufacturing	<1	1	2	7
Sawmill, woodworking, and paper machinery	<1	25	31	89
Printing machinery and equipment manufacturing	<1	2	3	8
All other industrial machinery manufacturing	<1	10	15	42
Optical instrument and lens manufacturing	<1	5	9	24
Photographic and photocopying equipment manufacturing	<1	4	6	18
Other commercial service industry machinery manufacturing	<1	19	40	106
Air purification and ventilation equipment manufacturing	<1	20	33	82
Heating equipment (except warm air furnaces) manufacturing	<1	44	87	213
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	31	75	211
Industrial mold manufacturing	<1	12	16	36
Special tool, die, jig, and fixture manufacturing	<1	9	15	30
Cutting tool and machine tool accessory manufacturing	<1	15	19	56
Machine tool manufacturing	<1	4	6	17
Rolling mill and other metalworking machinery manufacturing	<1	1	2	3
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	<1	<1	<1
Mechanical power transmission equipment manufacturing	<1	15	30	67
Other engine equipment manufacturing	<1	2	5	16

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Pump and pumping equipment manufacturing	<1	10	23	57
Air and gas compressor manufacturing	<1	<1	1	3
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	9	11	35
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	13
Industrial truck, trailer, and stacker manufacturing	<1	19	38	95
Power-driven handtool manufacturing	<1	15	55	128
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	4	8	20
Industrial process furnace and oven manufacturing	<1	2	2	6
Fluid power cylinder and actuator manufacturing	<1	13	22	53
Fluid power pump and motor manufacturing	<1	13	26	69
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	6	18
Electronic computer manufacturing	<1	5	15	41
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	25	57	151
Telephone apparatus manufacturing	<1	<1	<1	2
Broadcast and wireless communications equipment manufacturing	<1	1	3	8
Other communications equipment manufacturing	<1	19	44	112
Audio and video equipment manufacturing	<1	15	35	105
Printed circuit assembly (electronic assembly) manufacturing	<1	156	420	1,249
Bare printed circuit board manufacturing	<1	129	214	605
Semiconductor and related device manufacturing	<1	2,128	4,983	9,585

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	78	141	302
Electronic connector manufacturing	<1	12	25	61
Other electronic component manufacturing	<1	65	111	263
Electromedical and electrotherapeutic apparatus manufacturing	<1	4	11	25
Search, detection, and navigation instruments manufacturing	<1	16	40	63
Automatic environmental control manufacturing	<1	<1	1	3
Industrial process variable instruments manufacturing	<1	17	36	78
Totalizing fluid meter and counting device manufacturing	<1	5	17	37
Electricity and signal testing instruments manufacturing	<1	1,228	2,659	6,268
Analytical laboratory instrument manufacturing	<1	21,267	51,855	90,581
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	5	15	37
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	6	12	21
Electric lamp bulb and part manufacturing	<1	16	50	96
Lighting fixture manufacturing	<1	40	75	183
Small electrical appliance manufacturing	<1	3	10	25
Household cooking appliance manufacturing	<1	2	8	16
Household refrigerator and home freezer manufacturing	<1	2	10	19
Household laundry equipment manufacturing	<1	5	15	38
Other major household appliance manufacturing	<1	1	5	9
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	2
Motor and generator manufacturing	<1	<1	2	4
Switchgear and switchboard apparatus manufacturing	<1	4	10	25

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Relay and industrial control manufacturing	<1	149	261	595
Storage battery manufacturing	<1	111	199	461
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	37	52	181
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	138	393	728
Carbon and graphite product manufacturing	<1	55	133	333
All other miscellaneous electrical equipment and component manufacturing	<1	4	5	14
Automobile manufacturing	<1	<1	2	10
Light truck and utility vehicle manufacturing	<1	19	48	615
Heavy duty truck manufacturing	<1	15	44	284
Motor vehicle body manufacturing	<1	3	4	15
Truck trailer manufacturing	<1	<1	<1	3
Motor home manufacturing	<1	248	409	1,426
Travel trailer and camper manufacturing	<1	371	425	1,830
Motor vehicle gasoline engine and engine parts manufacturing	<1	5	8	50
Motor vehicle electrical and electronic equipment manufacturing	<1	155	209	978
Motor vehicle transmission and power train parts manufacturing	<1	313	519	1,957
Motor vehicle seating and interior trim manufacturing	<1	<1	<1	4
Motor vehicle metal stamping	<1	1	2	8
Other motor vehicle parts manufacturing	<1	156	209	1,026
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	24	44	180
Aircraft manufacturing	<1	<1	<1	5
Aircraft engine and engine parts manufacturing	<1	14	15	67
Other aircraft parts and auxiliary equipment manufacturing	<1	64	64	146
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	6	7	30
Ship building and repairing	<1	54	57	122
Boat building	<1	128	146	606
Motorcycle, bicycle, and parts manufacturing	<1	53	75	337
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	144	195	960
Wood kitchen cabinet and countertop manufacturing	<1	258	335	811
Upholstered household furniture manufacturing	<1	164	192	760
Nonupholstered wood household furniture manufacturing	<1	51	60	160
Other household nonupholstered furniture manufacturing	<1	3	4	15
Institutional furniture manufacturing	<1	2	2	6
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	4	3	11
Office furniture, except wood, manufacturing	<1	3	4	13
Showcase, partition, shelving, and locker manufacturing	<1	56	76	193
Mattress manufacturing	<1	23	39	160
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	3	2	8
Surgical appliance and supplies manufacturing	<1	139	141	506
Dental equipment and supplies manufacturing	<1	52	50	166
Ophthalmic goods manufacturing	<1	23	22	72
Dental laboratories	<1	65	66	119
Jewelry and silverware manufacturing	<1	91	108	324
Sporting and athletic goods manufacturing	<1	99	100	378
Doll, toy, and game manufacturing	<1	19	19	98
Office supplies (except paper) manufacturing	<1	87	89	310
Sign manufacturing	<1	161	131	327
Gasket, packing, and sealing device manufacturing	<1	91	91	264

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Musical instrument manufacturing	<1	28	29	74
Fasteners, buttons, needles, and pins manufacturing	<1	37	38	109
Broom, brush, and mop manufacturing	<1	76	74	279
Burial casket manufacturing	<1	18	19	45
All other miscellaneous manufacturing	<1	119	127	387
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	873	1,777	4,202
Wholesale - Professional and commercial equipment and supplies	<1	3,952	5,986	10,070
Wholesale - Household appliances and electrical and electronic goods	<1	2,491	5,105	9,844
Wholesale - Machinery, equipment, and supplies	<1	1,825	3,108	5,519
Wholesale - Other durable goods merchant wholesalers	<1	3,078	4,824	9,282
Wholesale - Drugs and druggists' sundries	<1	1,842	4,522	8,857
Wholesale - Grocery and related product wholesalers	<1	3,160	4,042	8,033
Wholesale - Petroleum and petroleum products	<1	336	5,010	5,787
Wholesale - Other nondurable goods merchant wholesalers	<1	5,771	11,071	20,408
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,901	2,993	3,521
Retail - Motor vehicle and parts dealers	<1	3,414	4,204	6,503
Retail - Furniture and home furnishings stores	<1	1,944	2,126	3,542
Retail - Electronics and appliance stores	<1	1,904	1,572	2,919
Retail - Building material and garden equipment and supplies stores	<1	2,134	2,953	4,688
Retail - Food and beverage stores	<1	6,916	7,874	13,098
Retail - Health and personal care stores	<1	2,471	2,800	4,460
Retail - Gasoline stores	<1	1,951	2,248	4,315
Retail - Clothing and clothing accessories stores	<1	2,745	3,201	6,784
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,666	1,833	3,144
Retail - General merchandise stores	<1	5,671	6,406	11,183

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Retail - Miscellaneous store retailers	<1	3,480	3,321	5,534
Retail - Nonstore retailers	<1	3,465	9,609	19,538
Air transportation	<1	2,879	8,105	13,467
Rail transportation	<1	651	1,246	2,383
Water transportation	<1	392	586	2,116
Truck transportation	<1	6,490	7,593	13,918
Transit and ground passenger transportation	<1	2,528	4,538	5,716
Pipeline transportation	<1	250	408	501
Scenic and sightseeing transportation and support activities for transportation	<1	4,467	4,862	9,824
Couriers and messengers	<1	2,563	3,408	6,160
Warehousing and storage	<1	3,437	3,850	7,210
Newspaper publishers	<1	664	1,132	1,448
Periodical publishers	<1	564	900	1,360
Book publishers	<1	233	712	1,242
Directory, mailing list, and other publishers	<1	50	144	216
Greeting card publishing	<1	6	18	25
Software publishers	2	369,231	833,643	909,633
Motion picture and video industries	<1	2,012	3,782	8,164
Sound recording industries	<1	110	813	1,331
Radio and television broadcasting	<1	4,492	5,036	9,920
Cable and other subscription programming	<1	480	1,607	3,748
Wired telecommunications carriers	<1	2,371	4,897	9,338
Wireless telecommunications carriers (except satellite)	<1	318	2,143	5,276
Satellite, telecommunications resellers, and all other telecommunications	<1	230	315	912
Data processing, hosting, and related services	<1	5,538	11,875	23,207
News syndicates, libraries, archives and all other information services	<1	180	268	706
Internet publishing and broadcasting and web search portals	<1	6,746	15,555	38,653
Nondepository credit intermediation and related activities	<1	4,495	5,578	8,365
Securities and commodity contracts intermediation and brokerage	<1	4,200	3,711	7,718

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Monetary authorities and depository credit intermediation	<1	10,650	27,000	46,426
Other financial investment activities	<1	5,607	6,953	18,861
Direct life insurance carriers	<1	205	416	535
Insurance carriers, except direct life	<1	5,229	18,299	33,895
Insurance agencies, brokerages, and related activities	<1	5,689	9,685	20,951
Funds, trusts, and other financial vehicles	<1	1,471	1,887	9,221
Other real estate	<1	21,380	69,362	149,496
Tenant-occupied housing	<1	1,702	28,767	31,134
Owner-occupied dwellings	0	0	86,228	109,462
Automotive equipment rental and leasing	<1	2,731	4,546	5,750
General and consumer goods rental except video tapes and discs	<1	2,053	2,214	3,083
Video tape and disc rental	<1	374	561	877
Commercial and industrial machinery and equipment rental and leasing	<1	2,742	4,536	5,841
Lessors of nonfinancial intangible assets	<1	175	7,082	7,835
Legal services	<1	15,188	21,608	32,264
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,209	9,905	14,594
Architectural, engineering, and related services	<1	7,526	8,437	15,040
Specialized design services	<1	916	1,525	2,211
Custom computer programming services	<1	5,246	5,946	7,966
Computer systems design services	<1	4,507	4,570	5,759
Other computer related services, including facilities management	<1	2,571	4,586	7,569
Management consulting services	<1	15,716	16,434	26,028
Environmental and other technical consulting services	<1	4,266	4,527	6,858
Scientific research and development services	3	260,790	428,626	702,802
Advertising, public relations, and related services	<1	11,114	15,644	26,219
Photographic services	<1	228	594	1,019
Veterinary services	<1	1,232	1,576	2,394
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	4,913	9,408	16,888

Appendix

Management of companies and enterprises	<1	46,735	55,176	82,530
Office administrative services	<1	2,971	1,017	2,566
Facilities support services	<1	277	382	884
Employment services	<1	25,456	35,100	49,762
Business support services	<1	4,659	3,761	6,290
Travel arrangement and reservation services	<1	1,261	1,558	3,728
Investigation and security services	<1	2,766	2,683	3,737
Services to buildings	<1	3,336	4,349	7,736
Landscape and horticultural services	<1	3,100	3,645	6,187
Other support services	<1	2,237	2,741	5,008
Waste management and remediation services	<1	1,669	2,923	5,153
Elementary and secondary schools	<1	3,816	3,259	3,918
Junior colleges, colleges, universities, and professional schools	<1	26,088	35,654	53,283
Other educational services	<1	2,291	2,629	5,066
Offices of physicians	<1	22,696	24,010	33,820
Offices of dentists	<1	4,994	6,263	8,710
Offices of other health practitioners	<1	3,814	5,531	7,493
Outpatient care centers	<1	6,884	6,344	9,711
Medical and diagnostic laboratories	<1	1,453	2,086	2,903
Home health care services	<1	2,047	1,982	2,526
Other ambulatory health care services	<1	1,556	1,746	2,711
Hospitals	<1	36,575	43,202	76,787
Nursing and community care facilities	<1	5,809	6,399	11,049
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,903	3,077	4,604
Individual and family services	<1	7,101	6,504	9,488
Child day care services	<1	1,891	3,038	3,907
Community food, housing, and other relief services, including rehabilitation services	<1	2,150	2,157	4,478
Performing arts companies	<1	1,263	1,778	3,105
Commercial Sports Except Racing	<1	2,791	2,552	4,096
Racing and Track Operation	<1	86	152	246
Independent artists, writers, and performers	<1	993	2,952	4,421

Appendix

Promoters of performing arts and sports and agents for public figures	<1	859	1,532	3,073
Museums, historical sites, zoos, and parks	<1	354	470	786
Amusement parks and arcades	<1	114	304	393
Gambling industries (except casino hotels)	<1	1,117	2,542	4,100
Other amusement and recreation industries	<1	1,130	1,388	2,496
Fitness and recreational sports centers	<1	968	1,446	2,440
Bowling centers	<1	153	255	414
Hotels and motels, including casino hotels	<1	1,770	3,290	5,108
Other accommodations	<1	471	671	919
Full-service restaurants	<1	11,987	16,756	26,935
Limited-service restaurants	<1	7,834	11,593	23,726
All other food and drinking places	<1	7,902	10,774	15,867
Automotive repair and maintenance, except car washes	<1	8,412	7,585	11,636
Car washes	<1	3,657	4,576	7,154
Electronic and precision equipment repair and maintenance	<1	1,939	1,919	3,107
Commercial and industrial machinery and equipment repair and maintenance	<1	3,306	2,495	3,746
Personal and household goods repair and maintenance	<1	851	1,366	2,005
Personal care services	<1	2,895	2,381	3,151
Death care services	<1	630	318	483
Dry-cleaning and laundry services	<1	1,725	811	1,147
Other personal services	<1	1,936	2,253	3,190
Religious organizations	<1	8,540	3,183	14,289
Grantmaking, giving, and social advocacy organizations	<1	2,524	7,065	10,769
Business and professional associations	<1	1,407	2,221	3,907
Labor and civic organizations	<1	1,338	3,351	5,911
Private households	<1	1,296	1,296	1,296
Postal service	<1	3,038	3,039	3,242
Federal electric utilities	<1	537	939	4,153
Other federal government enterprises	<1	46	18	101
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	165	197	291
Local government passenger transit	<1	1,886	-1,145	1,172
Local government electric utilities	<1	535	1,394	2,396
Other local government enterprises	<1	5,226	10,381	19,762
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	51,314	86,997	199,026

Investments in Climate Change Research and Technology

Table 738: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Oregon

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>133</i>	<i>8,365,763</i>	<i>13,870,431</i>	<i>24,820,466</i>
Oilseed farming	<1	-3	118	196
Grain farming	<1	1,892	6,696	27,742
Vegetable and melon farming	<1	2,398	5,802	10,570
Fruit farming	<1	2,673	7,279	9,799
Tree nut farming	<1	1,078	2,877	3,687
Greenhouse, nursery, and floriculture production	<1	3,358	5,344	9,031
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	79	122	223
All other crop farming	<1	3,027	4,725	8,641
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	201	5,825	27,298

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Dairy cattle and milk production	<1	562	2,217	14,182
Poultry and egg production	<1	617	1,044	9,586
Animal production, except cattle and poultry and eggs	<1	2,429	15,686	23,219
Forestry, forest products, and timber tract production	<1	622	594	722
Commercial logging	<1	3,614	3,425	5,162
Commercial fishing	<1	3,782	3,849	3,993
Commercial hunting and trapping	<1	54	139	144
Support activities for agriculture and forestry	<1	19,661	19,238	23,237
Oil and gas extraction	<1	321	386	22,346
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	21	36	111
Silver ore mining	<1	48	75	240
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	960	2,487	6,669
Sand and gravel mining	<1	1,070	1,886	4,810
Other clay, ceramic, refractory minerals mining	<1	51	86	275
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	212	340	964
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	1	2	13
Metal mining services	<1	13	24	573
Other nonmetallic minerals services	<1	3	7	57
Electric power generation - Hydroelectric	<1	1,284	3,892	7,916
Electric power generation - Fossil fuel	<1	1,789	6,749	15,843
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	26	86	137
Electric power generation - Wind	<1	2,680	21,367	39,330
Electric power generation - Geothermal	<1	164	380	712

Appendix

Electric power generation - Biomass	<1	366	1,649	5,021
Electric power generation - All other	<1	75	51	138
Electric power transmission and distribution	<1	17,616	62,182	145,796
Natural gas distribution	<1	9,736	26,953	57,164
Water, sewage and other systems	<1	1,086	2,318	4,725
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	38,430	53,574	119,490
Maintenance and repair construction of residential structures	<1	12,471	16,862	38,093
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	19	26	58
Dog and cat food manufacturing	<1	145	333	1,664
Other animal food manufacturing	<1	1,435	2,292	18,980
Flour milling	<1	1,690	2,747	18,504
Rice milling	0	0	0	0
Malt manufacturing	<1	589	901	5,941
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	24	98	1,292
Fats and oils refining and blending	<1	63	108	1,454
Breakfast cereal manufacturing	<1	1,520	2,971	16,194
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	408	573	3,745
Chocolate and confectionery manufacturing from cacao beans	<1	14	21	235
Confectionery manufacturing from purchased chocolate	<1	434	556	3,554
Frozen fruits, juices and vegetables manufacturing	<1	1,531	2,463	13,981
Frozen specialties manufacturing	<1	2,802	3,589	18,467
Canned fruits and vegetables manufacturing	<1	636	1,082	6,224
Canned specialties	<1	1,789	3,740	21,611
Dehydrated food products manufacturing	<1	537	820	3,755
Cheese manufacturing	<1	1,336	1,764	19,361
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,518	2,114	15,414
Creamery butter manufacturing	<1	97	343	2,574
Ice cream and frozen dessert manufacturing	<1	821	1,035	5,326
Frozen cakes and other pastries manufacturing	<1	1,817	2,136	4,277
Poultry processing	<1	1,027	1,175	4,470
Animal, except poultry, slaughtering	<1	1,063	1,308	12,563
Meat processed from carcasses	<1	3,979	3,807	33,626
Rendering and meat byproduct processing	<1	132	159	745
Seafood product preparation and packaging	<1	1,030	1,214	8,131
Bread and bakery product, except frozen, manufacturing	<1	7,551	9,474	24,325
Cookie and cracker manufacturing	<1	2,696	3,442	12,516
Dry pasta, mixes, and dough manufacturing	<1	341	627	3,147
Tortilla manufacturing	<1	589	703	3,220
Roasted nuts and peanut butter manufacturing	<1	409	605	2,676
Other snack food manufacturing	<1	1,380	2,566	12,037
Coffee and tea manufacturing	<1	762	1,193	8,068
Flavoring syrup and concentrate manufacturing	<1	26	147	494
Mayonnaise, dressing, and sauce manufacturing	<1	207	346	2,202
Spice and extract manufacturing	<1	168	245	1,542
All other food manufacturing	<1	1,859	2,491	14,988

Appendix

Bottled and canned soft drinks & water	<1	1,086	1,602	9,774
Manufactured ice	<1	98	36	309
Breweries	<1	3,235	6,589	22,515
Wineries	<1	2,777	4,113	17,653
Distilleries	<1	369	2,197	5,878
Tobacco product manufacturing	<1	135	3,080	6,132
Fiber, yarn, and thread mills	<1	13	21	173
Broadwoven fabric mills	<1	53	90	431
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	10	14	70
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	88	120	413
Textile bag and canvas mills	<1	186	231	745
Rope, cordage, twine, tire cord and tire fabric mills	<1	130	205	614
Other textile product mills	<1	317	399	1,238
Hosiery and sock mills	<1	13	18	47
Other apparel knitting mills	<1	16	21	55
Cut and sew apparel contractors	<1	135	151	356
Mens and boys cut and sew apparel manufacturing	<1	148	210	541
Womens and girls cut and sew apparel manufacturing	<1	72	147	493
Other cut and sew apparel manufacturing	<1	39	66	208
Apparel accessories and other apparel manufacturing	<1	71	122	332
Leather and hide tanning and finishing	<1	1	4	15
Footwear manufacturing	<1	243	292	1,026
Other leather and allied product manufacturing	<1	15	18	59
Sawmills	<1	3,223	4,731	14,764
Wood preservation	<1	261	647	2,403
Veneer and plywood manufacturing	<1	1,818	2,749	8,619
Engineered wood member and truss manufacturing	<1	776	1,086	3,142
Reconstituted wood product manufacturing	<1	863	1,879	6,628
Wood windows and door manufacturing	<1	3,871	5,174	14,879

Appendix

Cut stock, resawing lumber, and planing	<1	1,249	2,075	5,896
Other millwork, including flooring	<1	958	1,437	4,103
Wood container and pallet manufacturing	<1	927	1,218	3,536
Manufactured home (mobile home) manufacturing	<1	8	10	28
Prefabricated wood building manufacturing	<1	193	254	710
All other miscellaneous wood product manufacturing	<1	338	476	1,616
Pulp mills	<1	411	673	2,522
Paper mills	<1	4,213	10,335	31,900
Paperboard mills	<1	1,717	4,257	14,087
Paperboard container manufacturing	<1	2,498	3,980	16,224
Paper bag and coated and treated paper manufacturing	<1	1,873	3,606	12,631
Stationery product manufacturing	<1	100	161	758
Sanitary paper product manufacturing	<1	1,613	4,903	13,721
All other converted paper product manufacturing	<1	80	122	364
Printing	<1	11,517	16,857	37,754
Support activities for printing	<1	496	699	1,154
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	142	230	1,110
Asphalt shingle and coating materials manufacturing	<1	368	1,329	3,225
Petroleum lubricating oil and grease manufacturing	<1	251	900	2,539
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,365	2,199	8,275
Synthetic dye and pigment manufacturing	<1	905	1,360	4,999
Other basic inorganic chemical manufacturing	<1	642	1,022	4,068
Other basic organic chemical manufacturing	<1	1,400	2,269	18,751
Plastics material and resin manufacturing	<1	440	614	5,132
Synthetic rubber manufacturing	<1	37	48	257
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	512	920	4,092
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	254	388	1,778
Pesticide and other agricultural chemical manufacturing	<1	1,192	2,537	12,438
Medicinal and botanical manufacturing	<1	63	82	446
Pharmaceutical preparation manufacturing	<1	303	766	4,215
In-vitro diagnostic substance manufacturing	<1	15	18	53
Biological product (except diagnostic) manufacturing	<1	58	90	258
Paint and coating manufacturing	<1	1,024	1,525	7,845
Adhesive manufacturing	<1	241	313	1,387
Soap and other detergent manufacturing	<1	571	1,289	8,355
Polish and other sanitation good manufacturing	<1	121	160	777
Surface active agent manufacturing	<1	224	504	1,998
Toilet preparation manufacturing	<1	466	1,045	5,357
Printing ink manufacturing	<1	122	132	678
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	45	63	289
Photographic film and chemical manufacturing	<1	2,044	3,511	14,803
Other miscellaneous chemical product manufacturing	<1	1,221	1,702	10,177
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	527	783	2,833
Unlaminated plastics profile shape manufacturing	<1	329	620	2,638
Plastics pipe and pipe fitting manufacturing	<1	220	496	1,929
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	289	475	1,530
Polystyrene foam product manufacturing	<1	110	168	593
Urethane and other foam product (except polystyrene) manufacturing	<1	579	854	3,751
Plastics bottle manufacturing	<1	52	76	328
Other plastics product manufacturing	<1	9,953	13,286	46,445

Appendix

Tire manufacturing	<1	681	970	5,668
Rubber and plastics hoses and belting manufacturing	<1	180	248	782
Other rubber product manufacturing	<1	2,247	2,986	11,521
Pottery, ceramics, and plumbing fixture manufacturing	<1	325	481	1,021
Brick, tile, and other structural clay product manufacturing	<1	397	719	1,845
Flat glass manufacturing	<1	236	520	1,304
Other pressed and blown glass and glassware manufacturing	<1	1,150	2,114	5,402
Glass container manufacturing	<1	512	855	2,266
Glass product manufacturing made of purchased glass	<1	2,341	4,163	10,470
Cement manufacturing	<1	91	233	627
Ready-mix concrete manufacturing	<1	1,251	2,225	7,561
Concrete block and brick manufacturing	<1	388	747	1,999
Concrete pipe manufacturing	<1	35	63	155
Other concrete product manufacturing	<1	742	1,082	2,619
Lime manufacturing	<1	287	695	1,867
Gypsum product manufacturing	<1	317	915	2,342
Abrasive product manufacturing	<1	348	1,020	1,576
Cut stone and stone product manufacturing	<1	451	547	1,256
Ground or treated mineral and earth manufacturing	<1	95	270	588
Mineral wool manufacturing	<1	33	79	183
Miscellaneous nonmetallic mineral products manufacturing	<1	47	146	334
Iron and steel mills and ferroalloy manufacturing	<1	3,206	6,933	32,761
Iron, steel pipe and tube manufacturing from purchased steel	<1	55	107	381
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	102	207	1,549
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	190	307	1,464

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	756	3,780	10,774
Copper rolling, drawing, extruding and alloying	<1	563	930	6,205
Nonferrous metal, except copper and aluminum, shaping	<1	25	32	119
Secondary processing of other nonferrous metals	<1	<1	<1	<1
Ferrous metal foundries	<1	2,356	3,971	7,880
Nonferrous metal foundries	<1	2,233	3,388	8,073
Custom roll forming	<1	68	103	602
Crown and closure manufacturing and metal stamping	<1	197	236	801
Iron and steel forging	<1	148	214	924
Nonferrous forging	<1	52	68	230
Cutlery, utensil, pot, and pan manufacturing	<1	1,999	4,037	12,596
Handtool manufacturing	<1	1,470	2,095	4,489
Prefabricated metal buildings and components manufacturing	<1	172	228	819
Fabricated structural metal manufacturing	<1	2,009	2,680	7,899
Plate work manufacturing	<1	891	960	2,883
Metal window and door manufacturing	<1	440	555	1,655
Sheet metal work manufacturing	<1	1,169	1,442	4,111
Ornamental and architectural metal work manufacturing	<1	1,091	1,325	3,942
Power boiler and heat exchanger manufacturing	<1	33	42	134
Metal tank (heavy gauge) manufacturing	<1	107	128	395
Metal cans manufacturing	<1	84	158	967
Metal barrels, drums and pails manufacturing	<1	175	209	987
Hardware manufacturing	<1	85	120	429
Spring and wire product manufacturing	<1	454	573	1,755
Machine shops	<1	4,414	5,142	11,298
Turned product and screw, nut, and bolt manufacturing	<1	526	700	2,108
Metal heat treating	<1	343	453	1,273
Metal coating and nonprecious engraving	<1	793	1,208	3,447
Electroplating, anodizing, and coloring metal	<1	828	918	2,167
Valve and fittings, other than plumbing, manufacturing	<1	90	127	440

Appendix

Plumbing fixture fitting and trim manufacturing	<1	149	332	1,396
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	882	1,503	3,680
Ammunition, except for small arms, manufacturing	<1	15	18	59
Small arms, ordnance, and accessories manufacturing	<1	24	39	167
Fabricated pipe and pipe fitting manufacturing	<1	546	644	1,869
Other fabricated metal manufacturing	<1	1,719	2,112	6,478
Farm machinery and equipment manufacturing	<1	148	327	1,082
Lawn and garden equipment manufacturing	<1	12	26	121
Construction machinery manufacturing	<1	96	275	761
Mining machinery and equipment manufacturing	<1	8	17	49
Oil and gas field machinery and equipment manufacturing	<1	9	18	51
Semiconductor machinery manufacturing	<1	162	207	609
Food product machinery manufacturing	<1	9	11	39
Sawmill, woodworking, and paper machinery	<1	239	286	872
Printing machinery and equipment manufacturing	<1	10	11	32
All other industrial machinery manufacturing	<1	50	74	208
Optical instrument and lens manufacturing	<1	65	111	330
Photographic and photocopying equipment manufacturing	<1	11	18	60
Other commercial service industry machinery manufacturing	<1	125	247	679
Air purification and ventilation equipment manufacturing	<1	158	246	629
Heating equipment (except warm air furnaces) manufacturing	<1	352	654	1,841
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	269	605	1,874
Industrial mold manufacturing	<1	83	107	253
Special tool, die, jig, and fixture manufacturing	<1	32	50	104

Appendix

Cutting tool and machine tool accessory manufacturing	<1	55	67	205
Machine tool manufacturing	<1	14	21	61
Rolling mill and other metalworking machinery manufacturing	<1	7	9	20
Turbine and turbine generator set units manufacturing	<1	2	3	10
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1	2	5
Mechanical power transmission equipment manufacturing	<1	185	356	857
Other engine equipment manufacturing	<1	9	24	96
Pump and pumping equipment manufacturing	<1	67	144	387
Air and gas compressor manufacturing	<1	5	11	31
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	67	82	267
Overhead cranes, hoists, and monorail systems manufacturing	<1	18	45	145
Industrial truck, trailer, and stacker manufacturing	<1	177	338	894
Power-driven handtool manufacturing	<1	36	124	327
Welding and soldering equipment manufacturing	<1	1	2	6
Packaging machinery manufacturing	<1	17	30	81
Industrial process furnace and oven manufacturing	<1	7	9	22
Fluid power cylinder and actuator manufacturing	<1	75	123	287
Fluid power pump and motor manufacturing	<1	20	38	109
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	17	23	73
Electronic computer manufacturing	<1	21	69	191
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	4,162	9,286	22,079
Telephone apparatus manufacturing	<1	4	10	37

Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	4	10
Other communications equipment manufacturing	<1	112	280	649
Audio and video equipment manufacturing	<1	52	124	385
Printed circuit assembly (electronic assembly) manufacturing	<1	202	570	1,687
Bare printed circuit board manufacturing	<1	135	228	577
Semiconductor and related device manufacturing	<1	4,178	10,623	22,429
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	88	159	356
Electronic connector manufacturing	<1	45	96	232
Other electronic component manufacturing	<1	134	235	554
Electromedical and electrotherapeutic apparatus manufacturing	<1	17	50	116
Search, detection, and navigation instruments manufacturing	<1	199	454	762
Automatic environmental control manufacturing	<1	3	5	13
Industrial process variable instruments manufacturing	<1	55	121	259
Totalizing fluid meter and counting device manufacturing	<1	56	207	432
Electricity and signal testing instruments manufacturing	<1	469	1,027	2,385
Analytical laboratory instrument manufacturing	<1	12,001	30,052	51,242
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	15	41	102
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	35	68	142
Electric lamp bulb and part manufacturing	<1	90	246	532
Lighting fixture manufacturing	<1	161	309	778
Small electrical appliance manufacturing	<1	14	45	127

Appendix

Household cooking appliance manufacturing	<1	14	46	101
Household refrigerator and home freezer manufacturing	<1	16	55	115
Household laundry equipment manufacturing	<1	36	86	238
Other major household appliance manufacturing	<1	8	28	56
Power, distribution, and specialty transformer manufacturing	<1	2	4	14
Motor and generator manufacturing	<1	5	11	28
Switchgear and switchboard apparatus manufacturing	<1	32	72	190
Relay and industrial control manufacturing	<1	223	382	908
Storage battery manufacturing	<1	659	1,220	2,944
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	194	273	1,094
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	<1	267	727	1,497
Carbon and graphite product manufacturing	<1	613	1,383	3,508
All other miscellaneous electrical equipment and component manufacturing	<1	1,025	1,356	3,447
Automobile manufacturing	<1	4	19	84
Light truck and utility vehicle manufacturing	<1	474	1,719	14,992
Heavy duty truck manufacturing	<1	149	494	3,153
Motor vehicle body manufacturing	<1	30	45	156
Truck trailer manufacturing	<1	7	11	39
Motor home manufacturing	<1	3,754	7,160	24,014
Travel trailer and camper manufacturing	<1	3,875	4,581	19,313
Motor vehicle gasoline engine and engine parts manufacturing	<1	36	64	374
Motor vehicle electrical and electronic equipment manufacturing	<1	1,596	2,432	12,571
Motor vehicle transmission and power train parts manufacturing	<1	1,409	2,473	11,054
Motor vehicle seating and interior trim manufacturing	<1	6	9	64
Motor vehicle metal stamping	<1	29	40	171
Other motor vehicle parts manufacturing	<1	1,366	2,242	9,230

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	181	344	1,450
Aircraft manufacturing	<1	8	9	53
Aircraft engine and engine parts manufacturing	<1	6	7	31
Other aircraft parts and auxiliary equipment manufacturing	<1	91	96	227
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	59	60	293
Ship building and repairing	<1	533	556	1,201
Boat building	<1	1,317	1,501	6,389
Motorcycle, bicycle, and parts manufacturing	<1	234	325	1,520
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	924	1,164	6,136
Wood kitchen cabinet and countertop manufacturing	<1	2,150	3,050	7,326
Upholstered household furniture manufacturing	<1	759	887	3,544
Nonupholstered wood household furniture manufacturing	<1	326	393	1,059
Other household nonupholstered furniture manufacturing	<1	14	22	89
Institutional furniture manufacturing	<1	15	17	57
Wood office furniture manufacturing	<1	<1	1	5
Custom architectural woodwork and millwork	<1	26	25	82
Office furniture, except wood, manufacturing	<1	14	24	66
Showcase, partition, shelving, and locker manufacturing	<1	385	572	1,451
Mattress manufacturing	<1	156	278	1,156
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	13	13	45
Surgical appliance and supplies manufacturing	<1	705	679	2,659
Dental equipment and supplies manufacturing	<1	259	246	866

Appendix

Ophthalmic goods manufacturing	<1	133	125	430
Dental laboratories	<1	336	341	619
Jewelry and silverware manufacturing	<1	675	780	2,404
Sporting and athletic goods manufacturing	<1	630	632	2,609
Doll, toy, and game manufacturing	<1	97	88	505
Office supplies (except paper) manufacturing	<1	607	597	2,370
Sign manufacturing	<1	1,403	1,085	2,811
Gasket, packing, and sealing device manufacturing	<1	893	874	2,651
Musical instrument manufacturing	<1	93	91	246
Fasteners, buttons, needles, and pins manufacturing	<1	195	193	558
Broom, brush, and mop manufacturing	<1	422	309	1,568
Burial casket manufacturing	<1	251	253	692
All other miscellaneous manufacturing	<1	831	860	2,817
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	6,255	12,830	30,184
Wholesale - Professional and commercial equipment and supplies	<1	20,390	31,036	53,067
Wholesale - Household appliances and electrical and electronic goods	<1	10,602	22,569	43,942
Wholesale - Machinery, equipment, and supplies	<1	15,450	26,794	47,449
Wholesale - Other durable goods merchant wholesalers	<1	22,379	35,217	68,210
Wholesale - Drugs and druggists' sundries	<1	12,693	32,153	64,155
Wholesale - Grocery and related product wholesalers	<1	24,051	31,098	62,354
Wholesale - Petroleum and petroleum products	<1	3,719	37,763	45,086
Wholesale - Other nondurable goods merchant wholesalers	<1	41,261	75,322	143,914
Wholesale - Wholesale electronic markets and agents and brokers	<1	21,518	22,201	26,260
Retail - Motor vehicle and parts dealers	<1	25,917	31,874	49,812
Retail - Furniture and home furnishings stores	<1	13,662	14,939	25,419
Retail - Electronics and appliance stores	<1	13,749	11,094	21,218

Appendix

Retail - Building material and garden equipment and supplies stores	<1	15,909	22,046	35,309
Retail - Food and beverage stores	1	44,633	51,481	87,870
Retail - Health and personal care stores	<1	17,994	20,298	32,531
Retail - Gasoline stores	<1	13,466	16,543	33,729
Retail - Clothing and clothing accessories stores	<1	18,566	22,066	48,818
Retail - Sporting goods, hobby, musical instrument and book stores	<1	11,792	12,993	22,952
Retail - General merchandise stores	1	44,043	49,324	86,579
Retail - Miscellaneous store retailers	<1	23,322	22,505	39,291
Retail - Nonstore retailers	<1	23,765	62,107	130,847
Air transportation	<1	21,485	56,798	97,745
Rail transportation	<1	5,590	12,870	22,634
Water transportation	<1	3,209	4,751	18,084
Truck transportation	<1	47,346	56,605	106,360
Transit and ground passenger transportation	<1	12,219	21,485	29,490
Pipeline transportation	<1	4,586	5,549	6,786
Scenic and sightseeing transportation and support activities for transportation	<1	46,261	50,161	100,307
Couriers and messengers	<1	17,428	23,023	42,257
Warehousing and storage	<1	21,076	23,589	45,057
Newspaper publishers	<1	4,508	7,569	9,908
Periodical publishers	<1	2,780	4,357	7,120
Book publishers	<1	1,721	5,200	9,305
Directory, mailing list, and other publishers	<1	423	1,132	1,723
Greeting card publishing	<1	31	82	121
Software publishers	<1	67,064	150,129	167,166
Motion picture and video industries	<1	9,956	18,260	48,823
Sound recording industries	<1	587	3,942	7,259
Radio and television broadcasting	<1	17,606	21,529	61,587
Cable and other subscription programming	<1	1,111	5,829	17,492
Wired telecommunications carriers	<1	16,282	34,869	68,395
Wireless telecommunications carriers (except satellite)	<1	2,207	14,173	36,632

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Satellite, telecommunications resellers, and all other telecommunications	<1	1,300	1,886	5,963
Data processing, hosting, and related services	<1	26,401	57,166	134,474
News syndicates, libraries, archives and all other information services	<1	1,031	1,476	4,296
Internet publishing and broadcasting and web search portals	<1	12,497	29,493	127,081
Nondepository credit intermediation and related activities	<1	29,386	35,658	57,267
Securities and commodity contracts intermediation and brokerage	<1	27,274	25,045	62,230
Monetary authorities and depository credit intermediation	1	106,522	250,211	454,594
Other financial investment activities	<1	27,505	35,484	117,715
Direct life insurance carriers	<1	1,667	3,189	4,369
Insurance carriers, except direct life	<1	42,386	136,332	276,040
Insurance agencies, brokerages, and related activities	<1	48,770	80,906	183,379
Funds, trusts, and other financial vehicles	<1	9,002	11,142	65,164
Other real estate	8	192,622	647,920	1,560,125
Tenant-occupied housing	<1	10,884	168,603	189,132
Owner-occupied dwellings	0	0	527,612	669,780
Automotive equipment rental and leasing	<1	13,403	29,758	40,277
General and consumer goods rental except video tapes and discs	<1	14,032	16,703	24,984
Video tape and disc rental	<1	2,607	4,006	6,300
Commercial and industrial machinery and equipment rental and leasing	<1	16,476	33,620	44,863
Lessors of nonfinancial intangible assets	<1	1,525	55,327	61,471
Legal services	2	168,524	233,528	357,156
Accounting, tax preparation, bookkeeping, and payroll services	<1	52,505	68,523	105,680
Architectural, engineering, and related services	1	92,692	100,640	184,690
Specialized design services	<1	6,454	9,912	15,483
Custom computer programming services	<1	20,609	23,729	33,268

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Computer systems design services	<1	31,382	31,568	40,765
Other computer related services, including facilities management	<1	16,140	28,924	49,848
Management consulting services	2	132,834	137,967	227,922
Environmental and other technical consulting services	<1	34,463	36,151	56,030
Scientific research and development services	37	3,402,498	5,795,193	9,800,216
Advertising, public relations, and related services	<1	62,626	84,769	153,916
Photographic services	<1	1,841	4,234	8,010
Veterinary services	<1	8,690	10,622	16,791
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	57,596	104,434	203,278
Management of companies and enterprises	3	358,634	421,134	655,464
Office administrative services	<1	15,741	5,048	14,256
Facilities support services	<1	1,893	2,624	6,704
Employment services	5	213,557	287,821	437,763
Business support services	<1	46,099	36,410	65,522
Travel arrangement and reservation services	<1	10,993	13,560	33,259
Investigation and security services	<1	19,880	19,123	28,151
Services to buildings	<1	29,601	37,939	72,300
Landscape and horticultural services	<1	25,776	30,070	53,257
Other support services	<1	14,620	17,801	34,413
Waste management and remediation services	<1	14,764	25,883	46,555
Elementary and secondary schools	<1	19,681	16,960	20,786
Junior colleges, colleges, universities, and professional schools	14	412,609	573,222	856,556
Other educational services	<1	14,109	16,046	32,242
Offices of physicians	2	160,107	168,011	237,821
Offices of dentists	<1	33,900	41,394	58,528
Offices of other health practitioners	<1	27,268	37,986	52,095
Outpatient care centers	<1	43,788	39,908	60,831
Medical and diagnostic laboratories	<1	9,709	13,413	19,271
Home health care services	<1	14,566	13,990	17,896
Other ambulatory health care services	<1	10,515	11,624	18,321

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Hospitals	2	208,028	248,046	447,993
Nursing and community care facilities	<1	36,658	40,310	72,390
Residential mental retardation, mental health, substance abuse and other facilities	<1	15,644	16,539	25,466
Individual and family services	1	40,658	36,339	54,353
Child day care services	<1	11,808	18,123	24,306
Community food, housing, and other relief services, including rehabilitation services	<1	11,356	11,317	24,504
Performing arts companies	<1	6,694	9,786	19,092
Commercial Sports Except Racing	<1	17,193	16,889	27,747
Racing and Track Operation	<1	500	918	1,733
Independent artists, writers, and performers	<1	5,396	18,843	29,099
Promoters of performing arts and sports and agents for public figures	<1	4,828	9,171	20,120
Museums, historical sites, zoos, and parks	<1	2,176	2,914	5,051
Amusement parks and arcades	<1	635	2,013	2,638
Gambling industries (except casino hotels)	<1	6,603	15,070	25,332
Other amusement and recreation industries	<1	7,466	9,589	18,045
Fitness and recreational sports centers	<1	5,615	8,892	15,652
Bowling centers	<1	1,006	1,750	2,953
Hotels and motels, including casino hotels	<1	9,987	19,202	30,541
Other accommodations	<1	2,184	3,154	4,417
Full-service restaurants	3	88,194	120,503	201,776
Limited-service restaurants	2	53,792	78,107	169,391
All other food and drinking places	2	57,007	77,617	118,524
Automotive repair and maintenance, except car washes	<1	53,974	52,283	80,382
Car washes	<1	24,238	30,619	48,435
Electronic and precision equipment repair and maintenance	<1	17,752	17,320	29,347
Commercial and industrial machinery and equipment repair and maintenance	<1	26,150	20,155	31,304
Personal and household goods repair and maintenance	<1	6,318	10,764	15,961
Personal care services	<1	17,556	15,355	20,319
Death care services	<1	3,449	2,257	3,237

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Dry-cleaning and laundry services	<1	11,983	7,308	9,744
Other personal services	<1	13,337	15,833	22,813
Religious organizations	1	49,435	24,186	90,716
Grantmaking, giving, and social advocacy organizations	<1	12,259	38,483	58,212
Business and professional associations	<1	9,719	16,603	29,700
Labor and civic organizations	<1	7,023	19,532	33,451
Private households	<1	7,893	7,893	7,893
Postal service	<1	22,486	22,494	24,035
Federal electric utilities	<1	20,042	32,792	149,119
Other federal government enterprises	<1	340	100	659
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	3,656	4,650	7,544
Local government passenger transit	<1	13,538	-6,169	14,236
Local government electric utilities	<1	4,561	13,860	24,195
Other local government enterprises	<1	45,882	102,901	195,626
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	130,875	172,246	394,051

Pennsylvania

NASA

Table 739: Detailed NASA Impacts by Types of Impact, Pennsylvania

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,870</i>	<i>145,887,439</i>	<i>211,563,315</i>	<i>377,562,906</i>
Oilseed farming	<1	15,999	110,349	176,844
Grain farming	2	38,562	112,876	373,877
Vegetable and melon farming	<1	7,844	18,711	36,586
Fruit farming	<1	7,057	18,357	26,895
Tree nut farming	<1	54	147	208
Greenhouse, nursery, and floriculture production	1	30,931	51,339	102,587
Tobacco farming	<1	22,457	28,339	52,540
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	3	14,076	22,697	47,827
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	9,575	40,474	140,587
Dairy cattle and milk production	<1	14,336	43,606	247,827
Poultry and egg production	<1	10,088	23,532	199,101
Animal production, except cattle and poultry and eggs	3	45,393	193,644	286,529
Forestry, forest products, and timber tract production	<1	11,869	11,271	13,252
Commercial logging	<1	39,871	35,297	46,366
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	374	-7,322	2,396
Support activities for agriculture and forestry	4	154,203	106,382	142,406
Oil and gas extraction	2	277,657	1,510,727	1,957,656
Coal mining	1	70,818	213,597	404,311
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	465	1,252	7,132
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	12,301	51,012	94,418
Sand and gravel mining	<1	4,119	10,044	20,713

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Other clay, ceramic, refractory minerals mining	<1	486	1,120	2,133
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	931	2,067	4,213
Drilling oil and gas wells	<1	36	112	185
Support activities for oil and gas operations	<1	2,576	4,657	7,817
Metal mining services	<1	3,204	19,251	30,122
Other nonmetallic minerals services	<1	295	1,571	2,508
Electric power generation - Hydroelectric	<1	3,762	12,445	25,807
Electric power generation - Fossil fuel	<1	98,829	377,017	890,365
Electric power generation - Nuclear	<1	167,977	386,533	802,929
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	1,628	13,836	25,439
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	2,166	8,477	15,788
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	2	322,001	1,143,911	2,756,454
Natural gas distribution	<1	128,464	357,753	809,178
Water, sewage and other systems	<1	41,411	82,179	139,087
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	6	462,208	675,100	1,430,603
Maintenance and repair construction of residential structures	3	173,725	247,894	529,416
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	370	544	1,154
Dog and cat food manufacturing	<1	34,002	96,234	338,278
Other animal food manufacturing	<1	26,850	44,972	359,748
Flour milling	<1	5,246	9,696	57,812
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	3,626	18,640	118,322
Fats and oils refining and blending	<1	734	1,427	13,078
Breakfast cereal manufacturing	<1	29,640	71,341	179,392
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	1,073	2,792	10,933
Nonchocolate confectionery manufacturing	<1	12,851	19,582	68,930
Chocolate and confectionery manufacturing from cacao beans	<1	21,082	31,882	135,121
Confectionery manufacturing from purchased chocolate	<1	35,381	48,333	191,056
Frozen fruits, juices and vegetables manufacturing	<1	3,613	7,077	25,850
Frozen specialties manufacturing	<1	10,467	14,483	58,026
Canned fruits and vegetables manufacturing	<1	23,221	46,661	179,144
Canned specialties	<1	8,547	21,057	87,452
Dehydrated food products manufacturing	<1	450	806	3,626
Cheese manufacturing	<1	19,487	27,493	223,108
Dry, condensed, and evaporated dairy product manufacturing	<1	2,886	6,785	37,046
Fluid milk manufacturing	<1	21,280	33,425	213,078
Creamery butter manufacturing	<1	1,922	8,403	48,232
Ice cream and frozen dessert manufacturing	<1	8,891	12,200	48,830
Frozen cakes and other pastries manufacturing	<1	24,752	33,928	62,461

Appendix

Poultry processing	<1	54,540	67,541	286,836
Animal, except poultry, slaughtering	1	81,633	100,186	719,443
Meat processed from carcasses	1	72,154	67,759	523,016
Rendering and meat byproduct processing	<1	2,961	3,014	16,904
Seafood product preparation and packaging	<1	1,506	1,884	9,777
Bread and bakery product, except frozen, manufacturing	2	72,015	99,175	235,682
Cookie and cracker manufacturing	<1	19,285	27,734	96,379
Dry pasta, mixes, and dough manufacturing	<1	8,133	17,852	66,720
Tortilla manufacturing	<1	231	285	991
Roasted nuts and peanut butter manufacturing	<1	4,995	8,391	31,538
Other snack food manufacturing	<1	29,547	69,610	245,189
Coffee and tea manufacturing	<1	7,009	12,768	50,995
Flavoring syrup and concentrate manufacturing	<1	5,844	44,570	100,380
Mayonnaise, dressing, and sauce manufacturing	<1	6,364	12,162	51,765
Spice and extract manufacturing	<1	3,643	5,992	27,753
All other food manufacturing	<1	17,432	25,564	123,274
Bottled and canned soft drinks & water	<1	35,493	58,799	255,081
Manufactured ice	<1	2,294	1,242	6,641
Breweries	<1	28,831	59,438	181,411
Wineries	<1	9,544	15,560	97,620
Distilleries	<1	6,689	31,197	101,109
Tobacco product manufacturing	<1	12,714	248,314	466,761
Fiber, yarn, and thread mills	<1	12,165	15,478	82,779
Broadwoven fabric mills	<1	12,589	16,072	57,122
Narrow fabric mills and schiffli machine embroidery	<1	3,704	3,863	10,680
Nonwoven fabric mills	<1	14,333	18,118	79,997
Knit fabric mills	<1	2,859	3,159	9,838
Textile and fabric finishing mills	2	104,818	121,270	518,170
Fabric coating mills	<1	2,881	3,190	14,113
Carpet and rug mills	<1	7,187	9,340	41,518
Curtain and linen mills	<1	3,636	4,151	14,630
Textile bag and canvas mills	<1	4,604	5,009	14,903
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,806	2,188	6,046
Other textile product mills	<1	5,400	5,945	17,797
Hosiery and sock mills	<1	471	604	1,452

Appendix

Other apparel knitting mills	<1	675	834	2,038
Cut and sew apparel contractors	<1	4,869	5,159	9,632
Mens and boys cut and sew apparel manufacturing	<1	1,827	2,132	6,368
Womens and girls cut and sew apparel manufacturing	<1	1,231	1,695	6,859
Other cut and sew apparel manufacturing	<1	3,917	4,964	16,953
Apparel accessories and other apparel manufacturing	<1	2,922	3,647	10,128
Leather and hide tanning and finishing	<1	378	545	2,856
Footwear manufacturing	<1	2,363	2,593	8,649
Other leather and allied product manufacturing	<1	397	420	1,330
Sawmills	<1	24,659	31,616	129,557
Wood preservation	<1	2,218	4,092	16,539
Veneer and plywood manufacturing	<1	4,310	5,508	21,332
Engineered wood member and truss manufacturing	<1	6,083	7,599	22,146
Reconstituted wood product manufacturing	<1	3,825	6,523	27,539
Wood windows and door manufacturing	<1	32,223	38,412	109,154
Cut stock, resawing lumber, and planing	<1	4,244	5,777	18,286
Other millwork, including flooring	<1	11,856	15,335	43,254
Wood container and pallet manufacturing	<1	17,153	20,134	56,420
Manufactured home (mobile home) manufacturing	<1	14	16	42
Prefabricated wood building manufacturing	<1	3,220	3,828	11,574
All other miscellaneous wood product manufacturing	<1	10,788	13,198	40,899
Pulp mills	0	0	0	0
Paper mills	<1	59,744	146,272	440,657
Paperboard mills	<1	1,465	3,937	12,139
Paperboard container manufacturing	<1	65,720	108,427	420,521
Paper bag and coated and treated paper manufacturing	<1	41,805	84,348	232,719
Stationery product manufacturing	<1	9,008	14,552	57,159
Sanitary paper product manufacturing	<1	58,635	201,762	579,093
All other converted paper product manufacturing	<1	10,686	16,836	54,602

Appendix

Printing	4	263,597	434,955	812,781
Support activities for printing	<1	11,656	17,771	25,930
Petroleum refineries	<1	107,186	762,777	2,714,300
Asphalt paving mixture and block manufacturing	<1	5,477	8,697	34,484
Asphalt shingle and coating materials manufacturing	<1	2,934	10,786	23,132
Petroleum lubricating oil and grease manufacturing	<1	23,026	79,488	164,359
All other petroleum and coal products manufacturing	<1	17,828	74,196	198,648
Petrochemical manufacturing	<1	2,577	12,548	64,021
Industrial gas manufacturing	<1	45,676	75,089	229,592
Synthetic dye and pigment manufacturing	<1	10,185	16,287	61,999
Other basic inorganic chemical manufacturing	<1	20,320	31,852	98,466
Other basic organic chemical manufacturing	<1	18,664	31,040	230,634
Plastics material and resin manufacturing	<1	36,981	49,411	286,999
Synthetic rubber manufacturing	<1	4,204	5,153	17,735
Artificial and synthetic fibers and filaments manufacturing	<1	2,617	3,075	10,228
Nitrogenous fertilizer manufacturing	<1	1,326	2,410	6,100
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	5,203	8,008	24,737
Pesticide and other agricultural chemical manufacturing	<1	2,965	6,331	20,556
Medicinal and botanical manufacturing	<1	5,273	7,269	23,387
Pharmaceutical preparation manufacturing	1	345,405	811,168	2,013,532
In-vitro diagnostic substance manufacturing	<1	6,731	8,237	17,368
Biological product (except diagnostic) manufacturing	<1	54,725	90,228	181,476
Paint and coating manufacturing	<1	17,443	26,021	93,504
Adhesive manufacturing	<1	6,005	8,289	32,931
Soap and other detergent manufacturing	<1	28,662	60,419	233,197
Polish and other sanitation good manufacturing	<1	20,470	26,791	84,977
Surface active agent manufacturing	<1	3,252	7,573	20,345
Toilet preparation manufacturing	<1	27,489	66,578	260,501
Printing ink manufacturing	<1	2,073	2,175	7,094

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Explosives manufacturing	<1	494	536	1,650
Custom compounding of purchased resins	<1	13,267	19,989	72,678
Photographic film and chemical manufacturing	<1	34,405	59,426	149,436
Other miscellaneous chemical product manufacturing	<1	23,374	32,023	114,218
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	33,816	59,424	197,624
Unlaminated plastics profile shape manufacturing	<1	10,429	25,044	70,260
Plastics pipe and pipe fitting manufacturing	<1	13,431	40,297	115,878
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	10,909	21,907	57,160
Polystyrene foam product manufacturing	<1	19,104	34,571	115,250
Urethane and other foam product (except polystyrene) manufacturing	<1	10,154	17,485	60,623
Plastics bottle manufacturing	<1	9,378	15,999	67,011
Other plastics product manufacturing	2	138,141	212,073	639,449
Tire manufacturing	<1	14,909	24,109	118,425
Rubber and plastics hoses and belting manufacturing	<1	3,375	5,306	15,101
Other rubber product manufacturing	<1	52,296	76,899	194,174
Pottery, ceramics, and plumbing fixture manufacturing	<1	3,162	4,992	10,717
Brick, tile, and other structural clay product manufacturing	<1	6,545	12,834	25,561
Flat glass manufacturing	<1	3,436	8,348	17,425
Other pressed and blown glass and glassware manufacturing	<1	16,240	32,377	74,582
Glass container manufacturing	<1	3,388	6,141	13,923
Glass product manufacturing made of purchased glass	<1	12,508	24,214	57,825
Cement manufacturing	<1	5,064	14,512	32,999
Ready-mix concrete manufacturing	<1	17,952	34,631	107,122
Concrete block and brick manufacturing	<1	6,186	12,891	30,861
Concrete pipe manufacturing	<1	120	232	552
Other concrete product manufacturing	<1	12,300	18,910	43,551
Lime manufacturing	<1	1,721	4,869	11,527
Gypsum product manufacturing	<1	4,581	14,526	33,731

Appendix

Abrasive product manufacturing	<1	3,142	10,287	16,331
Cut stone and stone product manufacturing	<1	8,824	11,050	24,209
Ground or treated mineral and earth manufacturing	<1	4,493	14,149	23,460
Mineral wool manufacturing	<1	2,899	8,035	18,658
Miscellaneous nonmetallic mineral products manufacturing	<1	817	2,785	5,833
Iron and steel mills and ferroalloy manufacturing	<1	73,569	123,707	730,777
Iron, steel pipe and tube manufacturing from purchased steel	<1	10,915	16,944	78,416
Rolled steel shape manufacturing	<1	7,500	14,126	75,490
Steel wire drawing	<1	10,700	14,037	73,664
Alumina refining and primary aluminum production	<1	1,021	1,463	9,878
Secondary smelting and alloying of aluminum	<1	794	1,292	10,218
Aluminum sheet, plate, and foil manufacturing	<1	28,075	50,062	215,508
Other aluminum rolling, drawing and extruding	<1	11,446	15,226	72,912
Nonferrous metal (exc aluminum) smelting and refining	<1	2,721	9,901	39,558
Copper rolling, drawing, extruding and alloying	<1	24,715	34,445	274,811
Nonferrous metal, except copper and aluminum, shaping	<1	8,519	10,005	35,716
Secondary processing of other nonferrous metals	<1	1,977	3,167	19,342
Ferrous metal foundries	<1	27,232	36,870	94,862
Nonferrous metal foundries	<1	14,261	19,304	55,323
Custom roll forming	<1	604	913	5,281
Crown and closure manufacturing and metal stamping	<1	16,614	19,801	57,072
Iron and steel forging	<1	17,845	25,963	100,712
Nonferrous forging	<1	6,397	8,508	34,385
Cutlery, utensil, pot, and pan manufacturing	<1	7,330	15,482	46,254
Handtool manufacturing	<1	9,403	13,819	33,776
Prefabricated metal buildings and components manufacturing	<1	4,742	6,162	18,828
Fabricated structural metal manufacturing	<1	21,766	29,261	96,649
Plate work manufacturing	<1	12,630	13,585	40,501
Metal window and door manufacturing	<1	17,827	22,464	61,428
Sheet metal work manufacturing	<1	24,986	30,819	82,557

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Ornamental and architectural metal work manufacturing	<1	16,962	20,522	52,003
Power boiler and heat exchanger manufacturing	1	115,931	166,246	430,240
Metal tank (heavy gauge) manufacturing	<1	2,575	3,092	9,146
Metal cans manufacturing	<1	5,422	10,374	57,816
Metal barrels, drums and pails manufacturing	<1	1,795	2,123	8,314
Hardware manufacturing	<1	5,896	8,337	26,235
Spring and wire product manufacturing	2	133,851	169,173	483,960
Machine shops	2	123,958	144,421	303,854
Turned product and screw, nut, and bolt manufacturing	<1	27,500	36,803	99,777
Metal heat treating	<1	5,738	7,634	20,191
Metal coating and nonprecious engraving	<1	16,287	25,118	62,714
Electroplating, anodizing, and coloring metal	<1	13,289	14,690	32,742
Valve and fittings, other than plumbing, manufacturing	<1	54,148	77,802	218,214
Plumbing fixture fitting and trim manufacturing	<1	253	583	2,261
Ball and roller bearing manufacturing	<1	5,331	8,416	17,174
Small arms ammunition manufacturing	<1	1,599	2,870	7,555
Ammunition, except for small arms, manufacturing	<1	822	976	2,486
Small arms, ordnance, and accessories manufacturing	<1	9,020	14,830	38,339
Fabricated pipe and pipe fitting manufacturing	<1	7,787	9,139	24,509
Other fabricated metal manufacturing	1	88,709	107,519	284,813
Farm machinery and equipment manufacturing	<1	1,247	1,938	7,951
Lawn and garden equipment manufacturing	<1	465	739	3,439
Construction machinery manufacturing	<1	2,155	4,168	13,431
Mining machinery and equipment manufacturing	<1	635	906	2,307
Oil and gas field machinery and equipment manufacturing	<1	384	566	1,909
Semiconductor machinery manufacturing	<1	1,543	1,741	5,367
Food product machinery manufacturing	<1	110	122	352

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Sawmill, woodworking, and paper machinery	<1	1,632	1,786	5,011
Printing machinery and equipment manufacturing	<1	452	488	1,215
All other industrial machinery manufacturing	<1	735	888	2,473
Optical instrument and lens manufacturing	<1	117	159	457
Photographic and photocopying equipment manufacturing	<1	79	98	355
Other commercial service industry machinery manufacturing	<1	2,762	4,061	10,962
Air purification and ventilation equipment manufacturing	<1	1,522	1,949	5,078
Heating equipment (except warm air furnaces) manufacturing	<1	4,415	6,062	18,253
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	11,548	18,508	56,377
Industrial mold manufacturing	<1	1,745	1,956	4,036
Special tool, die, jig, and fixture manufacturing	<1	4,340	5,282	10,134
Cutting tool and machine tool accessory manufacturing	<1	3,430	3,763	9,034
Machine tool manufacturing	<1	599	713	2,176
Rolling mill and other metalworking machinery manufacturing	<1	678	773	1,629
Turbine and turbine generator set units manufacturing	<1	452	552	1,827
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2,511	3,428	8,371
Mechanical power transmission equipment manufacturing	<1	5,889	8,440	21,051
Other engine equipment manufacturing	<1	6,395	11,650	49,561
Pump and pumping equipment manufacturing	<1	1,619	2,509	6,816
Air and gas compressor manufacturing	<1	5,522	9,491	31,014
Elevator and moving stairway manufacturing	<1	346	448	1,314
Conveyor and conveying equipment manufacturing	<1	977	1,072	2,910
Overhead cranes, hoists, and monorail systems manufacturing	<1	132	211	729
Industrial truck, trailer, and stacker manufacturing	<1	1,047	1,536	5,103

Appendix

Power-driven handtool manufacturing	<1	359	772	2,360
Welding and soldering equipment manufacturing	<1	525	693	2,268
Packaging machinery manufacturing	<1	795	1,023	2,733
Industrial process furnace and oven manufacturing	<1	426	478	1,109
Fluid power cylinder and actuator manufacturing	<1	1,837	2,404	6,767
Fluid power pump and motor manufacturing	<1	981	1,400	4,486
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,063	1,239	3,288
Electronic computer manufacturing	<1	577	1,295	3,697
Computer storage device manufacturing	<1	132	362	1,452
Computer terminals and other computer peripheral equipment manufacturing	<1	18,713	33,694	73,941
Telephone apparatus manufacturing	<1	2,351	3,897	13,531
Broadcast and wireless communications equipment manufacturing	<1	501	818	2,131
Other communications equipment manufacturing	<1	5,069	8,932	21,620
Audio and video equipment manufacturing	<1	603	1,092	3,779
Printed circuit assembly (electronic assembly) manufacturing	<1	12,402	23,769	91,681
Bare printed circuit board manufacturing	<1	1,177	1,617	4,639
Semiconductor and related device manufacturing	<1	10,623	18,950	45,468
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	5,290	7,832	19,430
Electronic connector manufacturing	<1	36,628	58,427	126,716
Other electronic component manufacturing	<1	10,022	14,103	41,317
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,689	3,524	8,723
Search, detection, and navigation instruments manufacturing	<1	43,004	80,899	171,004
Automatic environmental control manufacturing	<1	1,448	2,015	4,709

Appendix

Industrial process variable instruments manufacturing	<1	4,777	7,978	18,433
Totalizing fluid meter and counting device manufacturing	<1	6,284	14,707	32,170
Electricity and signal testing instruments manufacturing	<1	2,264	3,842	13,386
Analytical laboratory instrument manufacturing	3	290,659	537,009	1,200,229
Irradiation apparatus manufacturing	<1	60	129	283
Watch, clock, and other measuring and controlling device manufacturing	<1	1,307	2,621	6,233
Blank magnetic and optical recording media manufacturing	<1	172	563	1,730
Software and other prerecorded and record reproducing	<1	254	401	1,753
Electric lamp bulb and part manufacturing	<1	4,461	8,090	19,112
Lighting fixture manufacturing	<1	7,122	10,048	26,720
Small electrical appliance manufacturing	<1	3,763	7,584	25,455
Household cooking appliance manufacturing	<1	108	219	768
Household refrigerator and home freezer manufacturing	<1	116	241	819
Household laundry equipment manufacturing	<1	276	467	2,018
Other major household appliance manufacturing	<1	43	94	293
Power, distribution, and specialty transformer manufacturing	<1	479	689	1,903
Motor and generator manufacturing	<1	2,213	3,578	10,799
Switchgear and switchboard apparatus manufacturing	<1	12,329	19,543	48,816
Relay and industrial control manufacturing	<1	31,779	41,935	94,368
Storage battery manufacturing	<1	6,031	8,215	22,126
Primary battery manufacturing	<1	36,351	107,474	183,137
Fiber optic cable manufacturing	<1	3,941	4,946	19,994
Other communication and energy wire manufacturing	<1	2,650	3,938	16,276
Wiring device manufacturing	<1	38,959	65,654	153,250
Carbon and graphite product manufacturing	<1	46,454	74,554	239,659
All other miscellaneous electrical equipment and component manufacturing	2	142,625	164,298	505,099
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	347	761	4,194
Motor vehicle body manufacturing	<1	2,307	2,945	11,585
Truck trailer manufacturing	<1	127	149	660
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	10,213	11,129	46,872
Motor vehicle gasoline engine and engine parts manufacturing	<1	6,344	8,925	56,904
Motor vehicle electrical and electronic equipment manufacturing	<1	16,474	20,095	120,320
Motor vehicle transmission and power train parts manufacturing	<1	22,809	32,835	143,714
Motor vehicle seating and interior trim manufacturing	<1	1,021	1,160	6,096
Motor vehicle metal stamping	<1	2,191	2,554	11,413
Other motor vehicle parts manufacturing	<1	30,626	38,308	160,920
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	14,388	21,592	96,501
Aircraft manufacturing	<1	2,421	3,051	13,167
Aircraft engine and engine parts manufacturing	3	311,898	520,417	1,679,759
Other aircraft parts and auxiliary equipment manufacturing	6	678,087	811,987	1,985,061
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,147	1,575	2,922
Railroad rolling stock manufacturing	<1	1,702	1,788	6,756
Ship building and repairing	<1	736	808	2,044
Boat building	<1	21	25	197
Motorcycle, bicycle, and parts manufacturing	<1	11,462	22,087	91,268
Military armored vehicle, tank, and tank component manufacturing	<1	98,232	134,143	553,031
All other transportation equipment manufacturing	<1	3,096	4,537	25,697
Wood kitchen cabinet and countertop manufacturing	<1	26,183	33,589	77,349
Upholstered household furniture manufacturing	<1	8,909	9,900	31,095

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Nonupholstered wood household furniture manufacturing	<1	4,727	5,400	15,238
Other household nonupholstered furniture manufacturing	<1	3,896	5,634	17,351
Institutional furniture manufacturing	<1	297	320	1,009
Wood office furniture manufacturing	<1	144	186	528
Custom architectural woodwork and millwork	<1	457	428	1,218
Office furniture, except wood, manufacturing	<1	12,308	18,544	47,353
Showcase, partition, shelving, and locker manufacturing	<1	4,121	5,485	13,505
Mattress manufacturing	<1	2,557	4,141	15,661
Blind and shade manufacturing	<1	508	530	1,671
Surgical and medical instrument manufacturing	<1	16,807	29,250	64,767
Surgical appliance and supplies manufacturing	<1	19,699	36,322	86,535
Dental equipment and supplies manufacturing	<1	1,283	2,027	5,114
Ophthalmic goods manufacturing	<1	2,661	4,846	10,613
Dental laboratories	<1	5,114	5,272	9,620
Jewelry and silverware manufacturing	<1	4,388	6,661	18,219
Sporting and athletic goods manufacturing	<1	6,898	9,327	27,660
Doll, toy, and game manufacturing	<1	2,712	4,159	11,604
Office supplies (except paper) manufacturing	<1	5,812	8,175	26,834
Sign manufacturing	<1	9,596	8,511	19,924
Gasket, packing, and sealing device manufacturing	<1	7,122	8,637	18,610
Musical instrument manufacturing	<1	3,508	3,722	7,653
Fasteners, buttons, needles, and pins manufacturing	<1	1,317	1,695	3,891
Broom, brush, and mop manufacturing	<1	7,083	10,008	24,345
Burial casket manufacturing	<1	3,809	4,667	9,974
All other miscellaneous manufacturing	<1	18,531	24,091	56,320
Wholesale - Motor vehicle and motor vehicle parts and supplies	1	91,484	208,957	487,659
Wholesale - Professional and commercial equipment and supplies	3	299,834	480,438	819,108

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Wholesale - Household appliances and electrical and electronic goods	2	166,683	381,034	792,202
Wholesale - Machinery, equipment, and supplies	2	206,187	390,727	665,825
Wholesale - Other durable goods merchant wholesalers	4	302,113	521,367	988,794
Wholesale - Drugs and druggists' sundries	1	258,252	702,064	1,216,336
Wholesale - Grocery and related product wholesalers	4	293,013	396,693	781,093
Wholesale - Petroleum and petroleum products	<1	52,105	919,287	1,029,025
Wholesale - Other nondurable goods merchant wholesalers	5	404,261	901,765	1,576,947
Wholesale - Wholesale electronic markets and agents and brokers	3	423,354	439,109	496,752
Retail - Motor vehicle and parts dealers	6	357,758	505,406	773,024
Retail - Furniture and home furnishings stores	4	171,371	211,246	356,334
Retail - Electronics and appliance stores	4	194,503	171,869	317,114
Retail - Building material and garden equipment and supplies stores	5	208,043	326,308	504,539
Retail - Food and beverage stores	20	628,508	780,629	1,338,141
Retail - Health and personal care stores	9	416,904	487,207	746,772
Retail - Gasoline stores	7	181,821	296,423	648,473
Retail - Clothing and clothing accessories stores	8	248,326	336,493	718,668
Retail - Sporting goods, hobby, musical instrument and book stores	5	155,206	190,501	318,004
Retail - General merchandise stores	17	492,133	660,193	1,148,035
Retail - Miscellaneous store retailers	12	278,351	310,023	540,950
Retail - Nonstore retailers	13	544,547	1,452,005	2,537,062
Air transportation	3	292,159	594,099	1,057,600
Rail transportation	1	130,044	198,901	442,526
Water transportation	<1	19,987	26,949	156,956
Truck transportation	47	3,879,954	4,470,640	8,064,492
Transit and ground passenger transportation	19	375,941	485,239	676,658
Pipeline transportation	<1	622,114	618,142	603,805
Scenic and sightseeing transportation and support activities for transportation	9	551,556	594,086	1,251,165

Appendix

Couriers and messengers	10	382,756	470,498	816,432
Warehousing and storage	10	522,350	581,282	1,024,052
Newspaper publishers	1	78,693	142,431	176,921
Periodical publishers	<1	105,997	176,435	240,697
Book publishers	<1	51,361	169,560	248,618
Directory, mailing list, and other publishers	<1	23,847	71,857	99,892
Greeting card publishing	0	0	0	0
Software publishers	11	1,919,809	4,626,140	4,982,678
Motion picture and video industries	2	110,184	261,403	518,741
Sound recording industries	<1	8,164	86,661	131,091
Radio and television broadcasting	1	3,259,046	3,356,759	3,325,207
Cable and other subscription programming	<1	125,388	220,649	242,940
Wired telecommunications carriers	3	481,718	1,750,406	2,278,572
Wireless telecommunications carriers (except satellite)	<1	72,256	966,560	1,398,158
Satellite, telecommunications resellers, and all other telecommunications	<1	81,174	161,371	290,315
Data processing, hosting, and related services	6	595,754	1,093,076	2,800,439
News syndicates, libraries, archives and all other information services	1	45,723	74,288	244,675
Internet publishing and broadcasting and web search portals	1	344,658	715,107	1,788,550
Nondepository credit intermediation and related activities	4	420,090	512,990	811,858
Securities and commodity contracts intermediation and brokerage	7	614,949	493,337	983,111
Monetary authorities and depository credit intermediation	18	1,746,585	3,786,700	6,929,913
Other financial investment activities	17	1,113,656	1,482,068	3,637,458
Direct life insurance carriers	4	450,758	803,091	1,101,764
Insurance carriers, except direct life	11	1,158,193	3,330,443	6,727,195
Insurance agencies, brokerages, and related activities	10	928,611	1,418,702	3,122,235
Funds, trusts, and other financial vehicles	3	138,822	172,726	998,580
Other real estate	81	1,967,290	6,897,975	16,387,179
Tenant-occupied housing	7	175,823	2,181,775	2,509,853

Appendix

Owner-occupied dwellings	0	0	7,765,494	9,857,953
Automotive equipment rental and leasing	2	195,485	423,122	581,533
General and consumer goods rental except video tapes and discs	2	145,080	179,426	287,829
Video tape and disc rental	<1	30,116	47,709	77,378
Commercial and industrial machinery and equipment rental and leasing	2	249,065	524,399	685,296
Lessors of nonfinancial intangible assets	<1	9,284	370,053	454,385
Legal services	25	2,698,323	4,581,933	5,955,990
Accounting, tax preparation, bookkeeping, and payroll services	12	1,027,977	1,219,353	1,738,098
Architectural, engineering, and related services	18	1,669,692	1,776,885	3,015,904
Specialized design services	1	91,937	125,645	187,957
Custom computer programming services	4	457,676	473,865	642,243
Computer systems design services	6	647,487	581,107	733,408
Other computer related services, including facilities management	2	228,777	302,330	548,106
Management consulting services	41	4,779,098	4,898,818	7,091,761
Environmental and other technical consulting services	4	423,375	436,819	626,000
Scientific research and development services	428	45,859,693	56,430,185	102,687,515
Advertising, public relations, and related services	7	625,717	771,103	1,324,138
Photographic services	<1	28,762	56,757	111,241
Veterinary services	2	123,937	141,960	218,240
Marketing research and all other miscellaneous professional, scientific, and technical services	20	2,163,462	3,267,077	5,512,043
Management of companies and enterprises	34	5,211,443	6,214,009	9,295,621
Office administrative services	2	160,993	52,629	135,717
Facilities support services	2	83,828	113,449	276,597
Employment services	60	2,628,848	3,495,104	5,244,142
Business support services	10	563,057	443,146	733,988
Travel arrangement and reservation services	3	179,168	218,735	497,667
Investigation and security services	9	384,207	372,754	534,652
Services to buildings	13	445,687	572,146	1,046,923
Landscape and horticultural services	9	407,909	477,551	801,693

Appendix

Other support services	5	219,654	267,262	523,245
Waste management and remediation services	3	270,027	446,354	798,581
Elementary and secondary schools	8	410,153	327,252	385,055
Junior colleges, colleges, universities, and professional schools	98	5,776,008	7,382,536	9,397,540
Other educational services	10	448,529	493,289	897,666
Offices of physicians	25	3,077,508	3,215,532	4,365,552
Offices of dentists	7	443,520	553,694	790,425
Offices of other health practitioners	8	436,682	628,473	839,980
Outpatient care centers	10	722,110	655,473	1,108,226
Medical and diagnostic laboratories	2	194,255	277,661	391,719
Home health care services	15	747,225	711,511	901,078
Other ambulatory health care services	3	211,324	235,147	374,828
Hospitals	55	4,796,448	5,400,421	10,321,842
Nursing and community care facilities	17	731,655	798,359	1,369,468
Residential mental retardation, mental health, substance abuse and other facilities	8	364,459	385,475	580,190
Individual and family services	32	1,154,802	1,049,379	1,454,836
Child day care services	9	267,362	448,876	580,690
Community food, housing, and other relief services, including rehabilitation services	5	205,347	203,112	418,775
Performing arts companies	2	93,162	162,417	231,140
Commercial Sports Except Racing	5	273,788	307,038	385,212
Racing and Track Operation	<1	28,688	50,360	70,915
Independent artists, writers, and performers	1	47,459	227,385	269,875
Promoters of performing arts and sports and agents for public figures	3	97,249	253,093	381,815
Museums, historical sites, zoos, and parks	1	60,601	93,678	146,486
Amusement parks and arcades	1	30,501	56,375	90,003
Gambling industries (except casino hotels)	5	176,900	445,013	673,307
Other amusement and recreation industries	6	147,360	157,392	312,553
Fitness and recreational sports centers	4	78,138	100,191	192,134
Bowling centers	<1	12,294	17,891	33,864

Appendix

Hotels and motels, including casino hotels	9	365,733	623,093	973,915
Other accommodations	4	183,015	241,027	314,956
Full-service restaurants	41	1,030,821	1,525,448	2,655,193
Limited-service restaurants	28	587,021	947,901	2,082,085
All other food and drinking places	26	820,261	1,118,606	1,692,897
Automotive repair and maintenance, except car washes	16	969,471	987,291	1,482,928
Car washes	7	354,790	509,741	788,565
Electronic and precision equipment repair and maintenance	7	539,870	608,061	973,630
Commercial and industrial machinery and equipment repair and maintenance	6	575,782	488,165	722,598
Personal and household goods repair and maintenance	2	86,796	152,242	216,308
Personal care services	14	433,450	359,134	483,410
Death care services	3	107,175	52,840	80,844
Dry-cleaning and laundry services	5	174,026	78,421	113,467
Other personal services	5	178,920	217,893	314,828
Religious organizations	21	938,574	403,683	1,679,783
Grantmaking, giving, and social advocacy organizations	3	208,138	647,965	988,488
Business and professional associations	2	179,513	305,394	508,663
Labor and civic organizations	9	186,516	524,412	1,054,963
Private households	6	91,208	91,194	91,194
Postal service	5	449,985	450,116	478,477
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	147,291	226,049	758,182
State government passenger transit	1	101,892	-49,257	153,176
State government electric utilities	0	0	0	0
Other state government enterprises	4	331,368	352,202	810,276
Local government passenger transit	1	84,105	-72,556	55,302
Local government electric utilities	<1	337	859	1,691
Other local government enterprises	4	432,845	818,017	1,540,955
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	35	5,710,863	7,443,532	16,936,243

Moon to Mars Campaign

Table 740: Detailed M2M Campaign Impacts by Types of Impact, Pennsylvania

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>977</i>	<i>81,233,882</i>	<i>116,414,467</i>	<i>202,287,254</i>
Oilseed farming	<1	8,987	87,123	156,733
Grain farming	<1	18,005	58,354	180,043
Vegetable and melon farming	<1	4,015	9,812	19,154
Fruit farming	<1	4,018	10,600	15,603
Tree nut farming	<1	39	106	149
Greenhouse, nursery, and floriculture production	<1	15,351	25,908	51,268
Tobacco farming	<1	19,864	26,312	51,324
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	6,108	10,162	21,263
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	4,831	18,501	60,496
Dairy cattle and milk production	<1	8,234	23,551	126,926
Poultry and egg production	<1	4,509	11,528	87,762
Animal production, except cattle and poultry and eggs	2	18,431	90,645	135,643
Forestry, forest products, and timber tract production	<1	7,046	6,690	7,680
Commercial logging	<1	20,107	17,866	22,620
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	310	-3,960	1,249
Support activities for agriculture and forestry	2	81,462	55,922	75,089
Oil and gas extraction	<1	68,569	461,940	631,529

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Coal mining	<1	25,008	69,942	136,132
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	202	541	3,014
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	7,128	25,365	47,893
Sand and gravel mining	<1	2,613	5,784	11,689
Other clay, ceramic, refractory minerals mining	<1	242	530	1,035
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	672	1,419	2,871
Drilling oil and gas wells	<1	12	41	69
Support activities for oil and gas operations	<1	742	1,407	2,376
Metal mining services	<1	1,000	6,898	10,890
Other nonmetallic minerals services	<1	129	859	1,317
Electric power generation - Hydroelectric	<1	2,035	6,699	13,586
Electric power generation - Fossil fuel	<1	69,429	252,025	549,997
Electric power generation - Nuclear	<1	110,026	256,564	505,932
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	787	6,661	12,002
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	1,056	4,413	7,666
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	1	189,531	668,531	1,531,205
Natural gas distribution	<1	70,004	201,340	434,907
Water, sewage and other systems	<1	19,556	38,508	61,920
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	242,455	357,213	741,172
Maintenance and repair construction of residential structures	1	94,552	135,521	284,614
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	195	284	601
Dog and cat food manufacturing	<1	15,024	44,629	152,242
Other animal food manufacturing	<1	14,235	24,903	190,763
Flour milling	<1	2,374	4,455	26,449
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	2,149	11,253	69,211
Fats and oils refining and blending	<1	443	886	7,711
Breakfast cereal manufacturing	<1	11,305	27,979	66,283
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	742	1,977	7,418
Nonchocolate confectionery manufacturing	<1	7,759	11,808	39,803
Chocolate and confectionery manufacturing from cacao beans	<1	15,744	24,042	98,411
Confectionery manufacturing from purchased chocolate	<1	17,965	24,977	92,285
Frozen fruits, juices and vegetables manufacturing	<1	2,088	4,244	14,102
Frozen specialties manufacturing	<1	5,523	7,687	30,451
Canned fruits and vegetables manufacturing	<1	15,346	31,207	116,657

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Canned specialties	<1	4,723	11,521	46,888
Dehydrated food products manufacturing	<1	283	504	2,231
Cheese manufacturing	<1	10,798	15,241	125,031
Dry, condensed, and evaporated dairy product manufacturing	<1	1,800	4,377	21,925
Fluid milk manufacturing	<1	10,683	17,226	108,152
Creamery butter manufacturing	<1	979	4,194	23,348
Ice cream and frozen dessert manufacturing	<1	4,457	6,290	23,375
Frozen cakes and other pastries manufacturing	<1	12,989	17,734	32,287
Poultry processing	<1	24,277	31,138	128,134
Animal, except poultry, slaughtering	<1	33,665	41,927	296,791
Meat processed from carcasses	<1	38,893	36,997	282,586
Rendering and meat byproduct processing	<1	1,710	1,749	9,673
Seafood product preparation and packaging	<1	652	846	4,225
Bread and bakery product, except frozen, manufacturing	<1	36,526	50,538	118,955
Cookie and cracker manufacturing	<1	11,488	17,492	55,631
Dry pasta, mixes, and dough manufacturing	<1	4,087	9,061	35,077
Tortilla manufacturing	<1	116	143	493
Roasted nuts and peanut butter manufacturing	<1	2,902	5,100	17,945
Other snack food manufacturing	<1	15,920	38,198	131,082
Coffee and tea manufacturing	<1	3,248	6,136	23,706
Flavoring syrup and concentrate manufacturing	<1	4,258	31,935	71,618
Mayonnaise, dressing, and sauce manufacturing	<1	3,558	6,717	27,707
Spice and extract manufacturing	<1	2,484	4,245	18,284
All other food manufacturing	<1	10,420	15,342	71,657
Bottled and canned soft drinks & water	<1	18,197	30,988	130,695
Manufactured ice	<1	1,228	711	3,430
Breweries	<1	13,432	29,113	86,585
Wineries	<1	6,760	11,171	67,213
Distilleries	<1	3,692	17,752	54,841
Tobacco product manufacturing	<1	8,290	192,809	332,144
Fiber, yarn, and thread mills	<1	4,347	5,993	29,407
Broadwoven fabric mills	<1	4,402	6,188	20,683
Narrow fabric mills and schiffli machine embroidery	<1	2,534	2,689	7,235

Appendix

Nonwoven fabric mills	<1	9,850	13,258	53,606
Knit fabric mills	<1	2,138	2,404	7,327
Textile and fabric finishing mills	<1	52,058	61,049	250,427
Fabric coating mills	<1	2,142	2,331	9,853
Carpet and rug mills	<1	3,873	5,798	21,705
Curtain and linen mills	<1	2,150	2,522	8,555
Textile bag and canvas mills	<1	2,576	2,853	8,233
Rope, cordage, twine, tire cord and tire fabric mills	<1	729	931	2,451
Other textile product mills	<1	3,214	3,593	10,308
Hosiery and sock mills	<1	234	314	677
Other apparel knitting mills	<1	461	559	1,315
Cut and sew apparel contractors	<1	3,748	3,956	7,172
Mens and boys cut and sew apparel manufacturing	<1	1,239	1,458	4,048
Womens and girls cut and sew apparel manufacturing	<1	935	1,288	5,009
Other cut and sew apparel manufacturing	<1	2,575	3,247	10,530
Apparel accessories and other apparel manufacturing	<1	1,944	2,432	6,287
Leather and hide tanning and finishing	<1	207	304	1,512
Footwear manufacturing	<1	1,318	1,467	4,649
Other leather and allied product manufacturing	<1	262	278	850
Sawmills	<1	11,366	14,663	60,661
Wood preservation	<1	937	1,751	7,141
Veneer and plywood manufacturing	<1	1,910	2,460	9,626
Engineered wood member and truss manufacturing	<1	3,434	4,256	12,374
Reconstituted wood product manufacturing	<1	1,888	3,173	13,237
Wood windows and door manufacturing	<1	15,945	19,139	53,764
Cut stock, resawing lumber, and planing	<1	2,069	2,846	8,927
Other millwork, including flooring	<1	6,494	8,415	22,979
Wood container and pallet manufacturing	<1	8,392	9,970	27,314
Manufactured home (mobile home) manufacturing	<1	6	6	18
Prefabricated wood building manufacturing	<1	1,431	1,686	5,184
All other miscellaneous wood product manufacturing	<1	6,417	8,076	23,193
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	24,214	55,059	176,999
Paperboard mills	<1	631	1,634	5,244
Paperboard container manufacturing	<1	36,112	59,499	229,205
Paper bag and coated and treated paper manufacturing	<1	23,139	44,537	124,294
Stationery product manufacturing	<1	4,970	7,872	30,146
Sanitary paper product manufacturing	<1	30,484	97,595	294,685
All other converted paper product manufacturing	<1	5,317	8,282	27,937
Printing	2	144,569	243,047	432,534
Support activities for printing	<1	8,703	13,248	19,007
Petroleum refineries	<1	37,669	264,380	938,898
Asphalt paving mixture and block manufacturing	<1	2,920	4,643	17,863
Asphalt shingle and coating materials manufacturing	<1	1,471	5,415	11,390
Petroleum lubricating oil and grease manufacturing	<1	9,427	33,952	68,363
All other petroleum and coal products manufacturing	<1	6,180	24,272	64,051
Petrochemical manufacturing	<1	976	4,825	24,115
Industrial gas manufacturing	<1	12,941	22,090	65,685
Synthetic dye and pigment manufacturing	<1	5,981	9,875	38,354
Other basic inorganic chemical manufacturing	<1	10,271	17,299	51,402
Other basic organic chemical manufacturing	<1	9,278	15,444	118,171
Plastics material and resin manufacturing	<1	16,399	22,198	130,921
Synthetic rubber manufacturing	<1	2,441	3,017	10,583
Artificial and synthetic fibers and filaments manufacturing	<1	2,234	2,515	8,558
Nitrogenous fertilizer manufacturing	<1	872	1,641	3,868
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2,873	4,638	13,983
Pesticide and other agricultural chemical manufacturing	<1	1,309	2,812	9,339
Medicinal and botanical manufacturing	<1	3,648	5,268	15,619
Pharmaceutical preparation manufacturing	<1	241,350	593,247	1,400,565
In-vitro diagnostic substance manufacturing	<1	6,593	8,166	17,208

Appendix

Biological product (except diagnostic) manufacturing	<1	51,647	90,832	170,821
Paint and coating manufacturing	<1	9,149	14,185	50,513
Adhesive manufacturing	<1	4,044	5,873	21,935
Soap and other detergent manufacturing	<1	17,928	41,992	137,016
Polish and other sanitation good manufacturing	<1	13,704	18,785	55,371
Surface active agent manufacturing	<1	1,724	4,476	10,946
Toilet preparation manufacturing	<1	18,180	46,367	173,629
Printing ink manufacturing	<1	1,596	1,681	5,495
Explosives manufacturing	<1	247	268	851
Custom compounding of purchased resins	<1	5,754	8,937	31,419
Photographic film and chemical manufacturing	<1	19,270	34,912	84,316
Other miscellaneous chemical product manufacturing	<1	11,146	15,953	57,431
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	18,772	33,079	107,479
Unlaminated plastics profile shape manufacturing	<1	5,969	14,365	39,051
Plastics pipe and pipe fitting manufacturing	<1	2,123	6,377	18,361
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,256	10,567	27,465
Polystyrene foam product manufacturing	<1	9,843	17,836	59,962
Urethane and other foam product (except polystyrene) manufacturing	<1	5,480	9,470	32,586
Plastics bottle manufacturing	<1	6,005	10,257	41,540
Other plastics product manufacturing	1	73,747	114,116	332,312
Tire manufacturing	<1	5,579	9,147	46,024
Rubber and plastics hoses and belting manufacturing	<1	1,606	2,514	7,222
Other rubber product manufacturing	<1	36,679	53,849	138,558
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,629	2,478	5,570
Brick, tile, and other structural clay product manufacturing	<1	3,272	6,232	12,751
Flat glass manufacturing	<1	2,015	4,705	10,128
Other pressed and blown glass and glassware manufacturing	<1	10,854	21,029	48,171
Glass container manufacturing	<1	1,732	3,036	7,073

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Glass product manufacturing made of purchased glass	<1	6,812	12,879	31,245
Cement manufacturing	<1	2,782	7,731	17,893
Ready-mix concrete manufacturing	<1	9,901	18,725	58,198
Concrete block and brick manufacturing	<1	3,948	7,871	19,531
Concrete pipe manufacturing	<1	61	115	284
Other concrete product manufacturing	<1	6,434	9,708	22,749
Lime manufacturing	<1	658	1,889	4,476
Gypsum product manufacturing	<1	2,776	8,493	20,080
Abrasive product manufacturing	<1	1,625	5,136	8,233
Cut stone and stone product manufacturing	<1	4,533	5,648	12,364
Ground or treated mineral and earth manufacturing	<1	2,021	6,360	10,514
Mineral wool manufacturing	<1	2,048	5,499	12,511
Miscellaneous nonmetallic mineral products manufacturing	<1	556	1,767	3,671
Iron and steel mills and ferroalloy manufacturing	<1	32,612	52,596	329,949
Iron, steel pipe and tube manufacturing from purchased steel	<1	5,954	8,892	41,130
Rolled steel shape manufacturing	<1	2,866	5,219	30,153
Steel wire drawing	<1	2,830	3,805	19,731
Alumina refining and primary aluminum production	<1	455	626	4,002
Secondary smelting and alloying of aluminum	<1	362	566	4,504
Aluminum sheet, plate, and foil manufacturing	<1	8,826	15,126	69,865
Other aluminum rolling, drawing and extruding	<1	5,124	6,628	31,876
Nonferrous metal (exc aluminum) smelting and refining	<1	1,025	3,454	14,566
Copper rolling, drawing, extruding and alloying	<1	8,907	12,276	93,455
Nonferrous metal, except copper and aluminum, shaping	<1	4,266	4,865	18,135
Secondary processing of other nonferrous metals	<1	1,199	1,618	10,793
Ferrous metal foundries	<1	11,246	15,106	39,976
Nonferrous metal foundries	<1	7,722	10,127	29,210
Custom roll forming	<1	329	484	2,837
Crown and closure manufacturing and metal stamping	<1	8,530	10,167	28,808
Iron and steel forging	<1	9,627	13,886	53,389

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Nonferrous forging	<1	3,692	4,855	19,025
Cutlery, utensil, pot, and pan manufacturing	<1	4,350	9,413	27,672
Handtool manufacturing	<1	6,576	9,658	22,958
Prefabricated metal buildings and components manufacturing	<1	3,139	3,794	12,218
Fabricated structural metal manufacturing	<1	11,771	15,463	51,469
Plate work manufacturing	<1	5,728	6,182	18,087
Metal window and door manufacturing	<1	12,647	15,739	42,818
Sheet metal work manufacturing	<1	10,599	12,986	34,417
Ornamental and architectural metal work manufacturing	<1	10,048	11,974	30,183
Power boiler and heat exchanger manufacturing	<1	864	1,113	3,196
Metal tank (heavy gauge) manufacturing	<1	1,795	2,126	6,151
Metal cans manufacturing	<1	3,023	5,769	31,894
Metal barrels, drums and pails manufacturing	<1	728	861	3,287
Hardware manufacturing	<1	3,255	4,549	14,278
Spring and wire product manufacturing	<1	10,000	12,117	35,163
Machine shops	<1	40,960	47,664	99,332
Turned product and screw, nut, and bolt manufacturing	<1	13,504	17,819	47,541
Metal heat treating	<1	2,885	3,805	10,065
Metal coating and nonprecious engraving	<1	7,302	11,143	27,951
Electroplating, anodizing, and coloring metal	<1	7,332	8,084	17,989
Valve and fittings, other than plumbing, manufacturing	<1	24,918	36,334	102,539
Plumbing fixture fitting and trim manufacturing	<1	164	375	1,434
Ball and roller bearing manufacturing	<1	3,278	5,072	9,993
Small arms ammunition manufacturing	<1	978	1,768	4,400
Ammunition, except for small arms, manufacturing	<1	430	510	1,289
Small arms, ordnance, and accessories manufacturing	<1	5,387	8,783	21,755
Fabricated pipe and pipe fitting manufacturing	<1	3,014	3,479	9,526
Other fabricated metal manufacturing	<1	27,675	33,640	87,817
Farm machinery and equipment manufacturing	<1	757	1,207	4,790

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Lawn and garden equipment manufacturing	<1	352	585	2,513
Construction machinery manufacturing	<1	929	1,954	5,846
Mining machinery and equipment manufacturing	<1	238	339	852
Oil and gas field machinery and equipment manufacturing	<1	143	213	718
Semiconductor machinery manufacturing	<1	1,589	1,800	5,430
Food product machinery manufacturing	<1	70	80	228
Sawmill, woodworking, and paper machinery	<1	887	990	2,703
Printing machinery and equipment manufacturing	<1	303	330	788
All other industrial machinery manufacturing	<1	684	839	2,307
Optical instrument and lens manufacturing	<1	111	144	455
Photographic and photocopying equipment manufacturing	<1	61	77	271
Other commercial service industry machinery manufacturing	<1	1,913	2,879	7,501
Air purification and ventilation equipment manufacturing	<1	1,097	1,441	3,760
Heating equipment (except warm air furnaces) manufacturing	<1	2,277	3,286	9,002
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	6,445	10,653	31,115
Industrial mold manufacturing	<1	1,031	1,173	2,380
Special tool, die, jig, and fixture manufacturing	<1	2,579	3,230	6,016
Cutting tool and machine tool accessory manufacturing	<1	1,637	1,815	4,319
Machine tool manufacturing	<1	311	380	1,163
Rolling mill and other metalworking machinery manufacturing	<1	452	524	1,081
Turbine and turbine generator set units manufacturing	<1	305	382	1,141
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,495	2,100	4,797
Mechanical power transmission equipment manufacturing	<1	3,603	5,270	12,835
Other engine equipment manufacturing	<1	4,326	8,317	30,395

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Pump and pumping equipment manufacturing	<1	1,071	1,697	4,519
Air and gas compressor manufacturing	<1	217	374	1,259
Elevator and moving stairway manufacturing	<1	150	202	587
Conveyor and conveying equipment manufacturing	<1	428	474	1,277
Overhead cranes, hoists, and monorail systems manufacturing	<1	105	181	595
Industrial truck, trailer, and stacker manufacturing	<1	530	790	2,564
Power-driven handtool manufacturing	<1	444	970	2,724
Welding and soldering equipment manufacturing	<1	269	363	1,074
Packaging machinery manufacturing	<1	543	714	1,861
Industrial process furnace and oven manufacturing	<1	273	309	699
Fluid power cylinder and actuator manufacturing	<1	953	1,262	3,578
Fluid power pump and motor manufacturing	<1	1,002	1,455	4,532
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	659	781	2,005
Electronic computer manufacturing	<1	371	843	2,344
Computer storage device manufacturing	<1	92	254	1,021
Computer terminals and other computer peripheral equipment manufacturing	<1	910	1,583	4,182
Telephone apparatus manufacturing	<1	1,148	1,904	6,560
Broadcast and wireless communications equipment manufacturing	<1	356	584	1,491
Other communications equipment manufacturing	<1	3,582	6,211	15,419
Audio and video equipment manufacturing	<1	460	828	2,803
Printed circuit assembly (electronic assembly) manufacturing	<1	7,348	14,314	54,254
Bare printed circuit board manufacturing	<1	530	726	2,163
Semiconductor and related device manufacturing	<1	7,644	13,650	31,229

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,910	4,345	10,641
Electronic connector manufacturing	<1	24,091	38,445	84,224
Other electronic component manufacturing	<1	4,487	6,328	18,114
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,124	2,322	5,655
Search, detection, and navigation instruments manufacturing	3	363,686	678,258	1,398,900
Automatic environmental control manufacturing	<1	1,399	1,940	4,634
Industrial process variable instruments manufacturing	<1	2,793	4,664	10,715
Totalizing fluid meter and counting device manufacturing	<1	3,342	7,813	17,093
Electricity and signal testing instruments manufacturing	<1	834	1,416	4,887
Analytical laboratory instrument manufacturing	<1	87,715	161,918	352,486
Irradiation apparatus manufacturing	<1	45	96	206
Watch, clock, and other measuring and controlling device manufacturing	<1	920	1,829	4,317
Blank magnetic and optical recording media manufacturing	<1	235	784	2,027
Software and other prerecorded and record reproducing	<1	183	292	1,128
Electric lamp bulb and part manufacturing	<1	3,112	5,883	13,320
Lighting fixture manufacturing	<1	6,736	9,271	24,261
Small electrical appliance manufacturing	<1	2,430	5,101	16,316
Household cooking appliance manufacturing	<1	55	121	410
Household refrigerator and home freezer manufacturing	<1	59	134	439
Household laundry equipment manufacturing	<1	141	254	1,068
Other major household appliance manufacturing	<1	23	54	162
Power, distribution, and specialty transformer manufacturing	<1	363	529	1,418
Motor and generator manufacturing	<1	1,106	1,758	5,413
Switchgear and switchboard apparatus manufacturing	<1	9,158	14,686	35,736

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Relay and industrial control manufacturing	<1	17,423	23,440	50,975
Storage battery manufacturing	<1	4,265	5,646	14,905
Primary battery manufacturing	<1	21,724	87,052	107,352
Fiber optic cable manufacturing	<1	3,377	4,246	16,301
Other communication and energy wire manufacturing	<1	1,463	2,167	8,809
Wiring device manufacturing	<1	28,081	48,015	106,510
Carbon and graphite product manufacturing	<1	29,309	48,078	153,037
All other miscellaneous electrical equipment and component manufacturing	<1	3,849	4,538	14,286
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	158	339	1,816
Motor vehicle body manufacturing	<1	973	1,246	5,010
Truck trailer manufacturing	<1	51	58	257
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	4,487	4,906	20,584
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,991	4,074	26,935
Motor vehicle electrical and electronic equipment manufacturing	<1	8,063	9,698	54,112
Motor vehicle transmission and power train parts manufacturing	<1	17,774	25,110	98,328
Motor vehicle seating and interior trim manufacturing	<1	424	490	2,455
Motor vehicle metal stamping	<1	934	1,099	4,828
Other motor vehicle parts manufacturing	<1	13,754	15,781	71,833
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	7,082	10,576	46,402
Aircraft manufacturing	<1	218	313	1,255
Aircraft engine and engine parts manufacturing	<1	10,799	13,697	53,763
Other aircraft parts and auxiliary equipment manufacturing	<1	2,260	2,502	5,886
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	481	538	1,195

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Railroad rolling stock manufacturing	<1	808	861	3,079
Ship building and repairing	<1	449	495	1,251
Boat building	<1	9	11	89
Motorcycle, bicycle, and parts manufacturing	<1	7,332	14,225	57,507
Military armored vehicle, tank, and tank component manufacturing	<1	56,358	77,529	286,598
All other transportation equipment manufacturing	<1	1,847	2,771	15,365
Wood kitchen cabinet and countertop manufacturing	<1	13,431	16,007	37,660
Upholstered household furniture manufacturing	<1	6,211	6,913	21,626
Nonupholstered wood household furniture manufacturing	<1	2,629	2,921	8,228
Other household nonupholstered furniture manufacturing	<1	2,460	3,475	10,562
Institutional furniture manufacturing	<1	169	180	560
Wood office furniture manufacturing	<1	90	113	316
Custom architectural woodwork and millwork	<1	276	255	709
Office furniture, except wood, manufacturing	<1	6,182	8,700	23,815
Showcase, partition, shelving, and locker manufacturing	<1	2,180	2,696	6,786
Mattress manufacturing	<1	1,409	2,142	8,311
Blind and shade manufacturing	<1	247	255	837
Surgical and medical instrument manufacturing	<1	10,024	17,351	36,663
Surgical appliance and supplies manufacturing	<1	13,301	25,090	57,112
Dental equipment and supplies manufacturing	<1	773	1,210	2,960
Ophthalmic goods manufacturing	<1	1,646	3,083	6,540
Dental laboratories	<1	3,223	3,328	6,022
Jewelry and silverware manufacturing	<1	2,261	3,458	9,377
Sporting and athletic goods manufacturing	<1	3,595	4,863	13,781
Doll, toy, and game manufacturing	<1	1,552	2,495	6,635
Office supplies (except paper) manufacturing	<1	3,332	4,709	14,680
Sign manufacturing	<1	4,404	3,970	9,191
Gasket, packing, and sealing device manufacturing	<1	3,634	4,382	9,299

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Musical instrument manufacturing	<1	2,880	3,170	6,242
Fasteners, buttons, needles, and pins manufacturing	<1	801	1,056	2,425
Broom, brush, and mop manufacturing	<1	4,761	8,275	16,391
Burial casket manufacturing	<1	1,398	1,730	3,542
All other miscellaneous manufacturing	<1	11,227	14,769	33,447
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	49,205	113,724	264,710
Wholesale - Professional and commercial equipment and supplies	2	173,933	278,567	471,416
Wholesale - Household appliances and electrical and electronic goods	<1	85,593	195,564	404,360
Wholesale - Machinery, equipment, and supplies	1	108,201	204,896	348,414
Wholesale - Other durable goods merchant wholesalers	2	160,486	278,335	525,387
Wholesale - Drugs and druggists' sundries	<1	143,898	391,527	666,057
Wholesale - Grocery and related product wholesalers	2	149,014	201,812	395,757
Wholesale - Petroleum and petroleum products	<1	17,954	406,175	443,921
Wholesale - Other nondurable goods merchant wholesalers	3	217,684	504,287	861,241
Wholesale - Wholesale electronic markets and agents and brokers	2	214,116	222,206	250,656
Retail - Motor vehicle and parts dealers	3	186,083	262,978	399,694
Retail - Furniture and home furnishings stores	2	91,639	112,985	188,810
Retail - Electronics and appliance stores	2	103,037	92,390	167,400
Retail - Building material and garden equipment and supplies stores	2	110,383	173,531	266,985
Retail - Food and beverage stores	10	350,683	433,120	733,143
Retail - Health and personal care stores	4	218,006	256,047	392,120
Retail - Gasoline stores	3	78,765	124,401	263,639
Retail - Clothing and clothing accessories stores	4	136,017	182,870	383,152
Retail - Sporting goods, hobby, musical instrument and book stores	3	81,728	100,550	165,764
Retail - General merchandise stores	8	248,282	334,878	581,890

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Retail - Miscellaneous store retailers	6	150,283	167,154	285,818
Retail - Nonstore retailers	7	278,660	789,277	1,360,332
Air transportation	1	157,473	328,328	575,848
Rail transportation	<1	62,580	81,895	194,119
Water transportation	<1	13,861	18,933	105,722
Truck transportation	8	637,529	733,527	1,333,754
Transit and ground passenger transportation	12	257,838	331,875	445,224
Pipeline transportation	<1	186,223	202,199	201,992
Scenic and sightseeing transportation and support activities for transportation	5	280,565	303,558	645,530
Couriers and messengers	5	176,635	222,159	384,911
Warehousing and storage	5	264,476	295,150	516,477
Newspaper publishers	<1	42,870	77,932	95,362
Periodical publishers	<1	73,448	123,144	160,034
Book publishers	<1	27,955	92,500	133,953
Directory, mailing list, and other publishers	<1	10,744	33,322	45,942
Greeting card publishing	0	0	0	0
Software publishers	4	607,807	1,482,225	1,599,009
Motion picture and video industries	<1	69,376	164,375	292,657
Sound recording industries	<1	5,036	54,734	78,300
Radio and television broadcasting	<1	2,427,816	2,372,359	1,898,951
Cable and other subscription programming	<1	134,129	165,667	153,283
Wired telecommunications carriers	1	259,611	911,974	1,172,848
Wireless telecommunications carriers (except satellite)	<1	41,062	561,577	795,312
Satellite, telecommunications resellers, and all other telecommunications	<1	16,161	31,469	56,623
Data processing, hosting, and related services	3	379,654	689,122	1,588,042
News syndicates, libraries, archives and all other information services	<1	30,382	50,671	157,871
Internet publishing and broadcasting and web search portals	<1	224,804	467,060	986,295
Nondepository credit intermediation and related activities	2	244,856	299,872	458,580
Securities and commodity contracts intermediation and brokerage	4	363,322	286,028	521,378

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Monetary authorities and depository credit intermediation	9	914,495	1,992,443	3,595,261
Other financial investment activities	9	747,993	971,015	2,130,957
Direct life insurance carriers	2	217,578	404,905	540,908
Insurance carriers, except direct life	6	607,499	1,847,588	3,553,550
Insurance agencies, brokerages, and related activities	5	469,384	737,737	1,570,851
Funds, trusts, and other financial vehicles	2	85,863	109,704	542,587
Other real estate	46	1,293,697	4,363,269	9,701,390
Tenant-occupied housing	4	99,396	1,269,731	1,433,643
Owner-occupied dwellings	0	0	4,471,005	5,675,745
Automotive equipment rental and leasing	1	133,465	243,172	319,632
General and consumer goods rental except video tapes and discs	<1	76,888	90,217	138,149
Video tape and disc rental	<1	15,957	25,022	40,440
Commercial and industrial machinery and equipment rental and leasing	<1	143,141	273,553	350,547
Lessors of nonfinancial intangible assets	<1	5,504	225,335	274,929
Legal services	14	1,634,763	2,817,317	3,607,771
Accounting, tax preparation, bookkeeping, and payroll services	6	585,296	714,396	990,823
Architectural, engineering, and related services	9	854,633	922,354	1,544,436
Specialized design services	<1	49,880	70,824	102,696
Custom computer programming services	2	234,107	240,269	320,634
Computer systems design services	3	370,610	333,138	415,430
Other computer related services, including facilities management	1	149,911	196,433	348,497
Management consulting services	15	1,829,213	1,886,888	2,660,589
Environmental and other technical consulting services	3	276,383	288,424	408,013
Scientific research and development services	284	32,521,022	39,674,744	70,358,513
Advertising, public relations, and related services	4	372,384	468,779	770,111
Photographic services	<1	15,042	31,924	59,537
Veterinary services	1	66,835	78,452	117,977
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,421,140	2,230,669	3,632,060

Appendix

Management of companies and enterprises	20	3,161,697	3,792,589	5,572,301
Office administrative services	1	116,696	40,897	96,941
Facilities support services	<1	47,833	65,082	148,979
Employment services	32	1,569,158	2,126,459	3,061,823
Business support services	5	293,339	234,987	374,374
Travel arrangement and reservation services	2	98,698	121,249	273,528
Investigation and security services	5	223,346	217,939	303,272
Services to buildings	7	265,669	346,842	609,249
Landscape and horticultural services	5	225,766	266,716	436,632
Other support services	2	115,630	141,907	271,968
Waste management and remediation services	2	149,129	246,272	435,942
Elementary and secondary schools	5	270,186	215,896	250,933
Junior colleges, colleges, universities, and professional schools	14	969,865	1,235,703	1,516,461
Other educational services	4	211,397	235,063	414,020
Offices of physicians	14	1,650,834	1,733,021	2,351,889
Offices of dentists	4	240,740	305,160	431,218
Offices of other health practitioners	4	231,255	340,400	450,983
Outpatient care centers	5	397,922	363,622	620,922
Medical and diagnostic laboratories	1	107,499	157,037	218,348
Home health care services	8	403,836	386,301	492,709
Other ambulatory health care services	2	115,574	129,736	205,098
Hospitals	33	2,908,946	3,251,627	6,183,155
Nursing and community care facilities	9	409,641	447,378	752,803
Residential mental retardation, mental health, substance abuse and other facilities	5	224,918	238,372	353,189
Individual and family services	18	660,997	606,321	831,895
Child day care services	5	152,894	260,044	330,935
Community food, housing, and other relief services, including rehabilitation services	3	126,445	125,512	253,343
Performing arts companies	1	59,156	101,446	134,939
Commercial Sports Except Racing	3	157,320	170,422	211,798
Racing and Track Operation	<1	17,072	30,027	38,343
Independent artists, writers, and performers	<1	31,648	140,518	163,209

Appendix

Promoters of performing arts and sports and agents for public figures	2	58,458	148,068	211,841
Museums, historical sites, zoos, and parks	<1	33,230	51,306	78,935
Amusement parks and arcades	<1	18,555	30,769	49,112
Gambling industries (except casino hotels)	2	101,446	248,720	371,468
Other amusement and recreation industries	3	78,964	80,936	159,103
Fitness and recreational sports centers	2	45,553	55,582	105,480
Bowling centers	<1	6,560	9,270	17,360
Hotels and motels, including casino hotels	6	238,433	399,704	617,301
Other accommodations	2	125,215	163,843	211,424
Full-service restaurants	22	565,481	845,941	1,444,604
Limited-service restaurants	15	324,139	527,327	1,127,728
All other food and drinking places	14	478,243	652,457	966,161
Automotive repair and maintenance, except car washes	8	498,367	490,791	737,038
Car washes	4	198,231	283,331	435,895
Electronic and precision equipment repair and maintenance	2	155,307	176,373	276,262
Commercial and industrial machinery and equipment repair and maintenance	2	206,478	172,207	252,438
Personal and household goods repair and maintenance	<1	49,288	84,183	119,280
Personal care services	8	248,421	198,988	268,562
Death care services	2	67,305	28,810	45,591
Dry-cleaning and laundry services	3	104,185	40,758	61,083
Other personal services	3	102,584	123,542	177,248
Religious organizations	12	547,180	204,363	940,631
Grantmaking, giving, and social advocacy organizations	2	132,723	386,579	592,243
Business and professional associations	1	106,644	172,714	284,106
Labor and civic organizations	5	116,028	307,062	628,533
Private households	3	53,433	53,433	53,433
Postal service	2	226,740	226,845	240,894
Federal electric utilities	0	0	0	0
Other federal government enterprises	1	108,356	129,126	416,419
State government passenger transit	5	519,776	-306,001	411,561
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	1	100,845	106,915	230,716
Local government passenger transit	<1	47,602	-43,550	24,692
Local government electric utilities	<1	170	410	800
Other local government enterprises	2	219,405	393,447	739,364
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	189,333	340,299	778,511

Investments in Climate Change Research and Technology

Table 741: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Pennsylvania

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>288</i>	<i>20,897,476</i>	<i>30,435,549</i>	<i>54,438,910</i>
Oilseed farming	<1	2,220	12,605	18,989
Grain farming	<1	5,558	14,096	54,903
Vegetable and melon farming	<1	1,107	2,674	5,281
Fruit farming	<1	923	2,462	3,629
Tree nut farming	<1	6	17	24
Greenhouse, nursery, and floriculture production	<1	4,383	7,394	15,135
Tobacco farming	<1	2,349	3,088	5,522
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,394	3,847	8,390
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	1,412	7,082	25,655

Appendix

Dairy cattle and milk production	<1	1,960	6,302	36,677
Poultry and egg production	<1	1,905	4,282	39,404
Animal production, except cattle and poultry and eggs	<1	8,684	32,127	45,665
Forestry, forest products, and timber tract production	<1	1,739	1,661	2,004
Commercial logging	<1	5,669	5,017	6,883
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	54	-1,331	408
Support activities for agriculture and forestry	<1	23,753	16,499	22,079
Oil and gas extraction	<1	39,245	207,638	272,529
Coal mining	<1	16,400	62,602	118,140
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	62	167	957
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,669	8,264	14,670
Sand and gravel mining	<1	571	1,490	3,059
Other clay, ceramic, refractory minerals mining	<1	81	203	365
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	99	243	498
Drilling oil and gas wells	<1	8	27	42
Support activities for oil and gas operations	<1	386	694	1,127
Metal mining services	<1	749	4,770	6,822
Other nonmetallic minerals services	<1	60	309	459
Electric power generation - Hydroelectric	<1	622	1,938	3,948
Electric power generation - Fossil fuel	<1	13,353	53,018	129,816
Electric power generation - Nuclear	<1	27,127	63,055	134,963
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	364	2,992	5,773
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	294	1,103	2,160
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	48,212	174,944	429,572
Natural gas distribution	<1	20,287	56,170	130,482
Water, sewage and other systems	<1	9,619	19,239	33,271
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	65,445	96,159	207,573
Maintenance and repair construction of residential structures	<1	25,184	35,932	78,387
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	54	80	171
Dog and cat food manufacturing	<1	4,784	13,336	48,482
Other animal food manufacturing	<1	4,161	6,807	56,628
Flour milling	<1	962	1,831	10,788
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	503	2,672	16,906
Fats and oils refining and blending	<1	105	206	1,885
Breakfast cereal manufacturing	<1	3,328	7,978	20,614
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	168	444	1,748
Nonchocolate confectionery manufacturing	<1	1,726	2,655	9,662
Chocolate and confectionery manufacturing from cacao beans	<1	2,526	3,815	16,321
Confectionery manufacturing from purchased chocolate	<1	5,571	7,714	30,546
Frozen fruits, juices and vegetables manufacturing	<1	520	1,015	3,929
Frozen specialties manufacturing	<1	1,552	2,186	8,943
Canned fruits and vegetables manufacturing	<1	3,102	6,296	24,264
Canned specialties	<1	1,604	4,186	17,035
Dehydrated food products manufacturing	<1	56	101	457
Cheese manufacturing	<1	2,387	3,381	27,530
Dry, condensed, and evaporated dairy product manufacturing	<1	493	1,184	6,839
Fluid milk manufacturing	<1	3,228	5,100	33,489
Creamery butter manufacturing	<1	337	1,593	9,027
Ice cream and frozen dessert manufacturing	<1	1,463	2,001	8,365
Frozen cakes and other pastries manufacturing	<1	4,090	5,617	10,510
Poultry processing	<1	10,924	13,263	57,503
Animal, except poultry, slaughtering	<1	14,991	18,420	133,223
Meat processed from carcasses	<1	10,201	9,543	75,388
Rendering and meat byproduct processing	<1	454	458	2,649
Seafood product preparation and packaging	<1	302	377	2,110
Bread and bakery product, except frozen, manufacturing	<1	11,763	16,321	39,138
Cookie and cracker manufacturing	<1	2,689	3,849	14,128
Dry pasta, mixes, and dough manufacturing	<1	1,086	2,432	8,932
Tortilla manufacturing	<1	35	44	160
Roasted nuts and peanut butter manufacturing	<1	686	1,140	4,423
Other snack food manufacturing	<1	4,537	11,124	38,491
Coffee and tea manufacturing	<1	1,144	2,093	8,296
Flavoring syrup and concentrate manufacturing	<1	799	6,439	14,105
Mayonnaise, dressing, and sauce manufacturing	<1	1,008	1,980	8,532
Spice and extract manufacturing	<1	560	924	4,353
All other food manufacturing	<1	2,209	3,267	16,176

Appendix

Bottled and canned soft drinks & water	<1	5,491	9,122	40,102
Manufactured ice	<1	341	183	1,035
Breweries	<1	4,812	9,874	30,305
Wineries	<1	1,104	1,819	11,728
Distilleries	<1	1,098	4,794	16,044
Tobacco product manufacturing	<1	2,088	35,940	70,263
Fiber, yarn, and thread mills	<1	4,285	5,129	29,790
Broadwoven fabric mills	<1	4,714	5,684	21,481
Narrow fabric mills and schiffli machine embroidery	<1	465	482	1,373
Nonwoven fabric mills	<1	1,880	2,413	10,979
Knit fabric mills	<1	472	521	1,648
Textile and fabric finishing mills	<1	21,861	25,872	109,406
Fabric coating mills	<1	315	361	1,670
Carpet and rug mills	<1	1,002	1,211	5,932
Curtain and linen mills	<1	528	596	2,222
Textile bag and canvas mills	<1	635	684	2,110
Rope, cordage, twine, tire cord and tire fabric mills	<1	364	426	1,232
Other textile product mills	<1	758	829	2,595
Hosiery and sock mills	<1	67	85	223
Other apparel knitting mills	<1	84	106	269
Cut and sew apparel contractors	<1	551	585	1,123
Mens and boys cut and sew apparel manufacturing	<1	217	252	804
Womens and girls cut and sew apparel manufacturing	<1	134	185	775
Other cut and sew apparel manufacturing	<1	644	818	2,902
Apparel accessories and other apparel manufacturing	<1	371	460	1,389
Leather and hide tanning and finishing	<1	70	93	507
Footwear manufacturing	<1	481	512	1,933
Other leather and allied product manufacturing	<1	52	55	181
Sawmills	<1	3,818	4,833	19,850
Wood preservation	<1	356	648	2,560
Veneer and plywood manufacturing	<1	854	1,091	4,134
Engineered wood member and truss manufacturing	<1	919	1,122	3,310
Reconstituted wood product manufacturing	<1	765	1,286	5,224
Wood windows and door manufacturing	<1	4,986	5,946	17,093

Appendix

Cut stock, resawing lumber, and planing	<1	610	836	2,659
Other millwork, including flooring	<1	1,683	2,166	6,270
Wood container and pallet manufacturing	<1	2,460	2,900	8,206
Manufactured home (mobile home) manufacturing	<1	4	4	11
Prefabricated wood building manufacturing	<1	497	590	1,720
All other miscellaneous wood product manufacturing	<1	1,539	1,883	6,056
Pulp mills	0	0	0	0
Paper mills	<1	9,847	26,883	75,469
Paperboard mills	<1	353	972	2,891
Paperboard container manufacturing	<1	8,764	14,629	57,293
Paper bag and coated and treated paper manufacturing	<1	6,093	12,643	36,044
Stationery product manufacturing	<1	1,402	2,316	9,351
Sanitary paper product manufacturing	<1	10,875	37,740	104,852
All other converted paper product manufacturing	<1	1,701	2,717	8,601
Printing	<1	30,540	48,810	96,624
Support activities for printing	<1	1,229	1,851	2,757
Petroleum refineries	<1	13,780	92,459	331,661
Asphalt paving mixture and block manufacturing	<1	888	1,396	5,687
Asphalt shingle and coating materials manufacturing	<1	516	1,833	3,888
Petroleum lubricating oil and grease manufacturing	<1	2,788	10,030	21,575
All other petroleum and coal products manufacturing	<1	3,328	14,903	39,752
Petrochemical manufacturing	<1	1,233	6,507	35,115
Industrial gas manufacturing	<1	5,250	8,691	26,034
Synthetic dye and pigment manufacturing	<1	2,465	3,846	13,648
Other basic inorganic chemical manufacturing	<1	3,464	5,138	15,905
Other basic organic chemical manufacturing	<1	4,551	7,421	50,349
Plastics material and resin manufacturing	<1	10,749	13,862	73,310
Synthetic rubber manufacturing	<1	934	1,124	3,621
Artificial and synthetic fibers and filaments manufacturing	<1	379	450	1,489

Appendix

Nitrogenous fertilizer manufacturing	<1	182	322	842
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	785	1,171	3,679
Pesticide and other agricultural chemical manufacturing	<1	653	1,368	4,354
Medicinal and botanical manufacturing	<1	585	799	2,653
Pharmaceutical preparation manufacturing	<1	41,902	95,846	247,358
In-vitro diagnostic substance manufacturing	<1	703	856	1,818
Biological product (except diagnostic) manufacturing	<1	5,702	9,320	19,246
Paint and coating manufacturing	<1	2,810	4,071	14,609
Adhesive manufacturing	<1	760	1,027	4,283
Soap and other detergent manufacturing	<1	3,587	7,431	31,758
Polish and other sanitation good manufacturing	<1	2,518	3,250	10,753
Surface active agent manufacturing	<1	456	1,028	2,863
Toilet preparation manufacturing	<1	3,551	8,342	33,184
Printing ink manufacturing	<1	252	263	860
Explosives manufacturing	<1	113	121	378
Custom compounding of purchased resins	<1	1,433	2,015	7,839
Photographic film and chemical manufacturing	<1	4,349	7,534	19,076
Other miscellaneous chemical product manufacturing	<1	2,910	3,891	13,590
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	5,110	9,144	30,621
Unlaminated plastics profile shape manufacturing	<1	1,263	3,091	8,779
Plastics pipe and pipe fitting manufacturing	<1	10,508	31,713	89,385
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	1,565	3,227	8,208
Polystyrene foam product manufacturing	<1	3,065	5,646	18,960
Urethane and other foam product (except polystyrene) manufacturing	<1	1,519	2,662	9,366
Plastics bottle manufacturing	<1	1,232	2,125	9,202
Other plastics product manufacturing	<1	18,420	28,398	87,893

Appendix

Tire manufacturing	<1	2,873	4,728	23,155
Rubber and plastics hoses and belting manufacturing	<1	588	938	2,684
Other rubber product manufacturing	<1	6,832	10,145	24,884
Pottery, ceramics, and plumbing fixture manufacturing	<1	426	678	1,443
Brick, tile, and other structural clay product manufacturing	<1	938	1,871	3,611
Flat glass manufacturing	<1	521	1,314	2,727
Other pressed and blown glass and glassware manufacturing	<1	2,302	4,730	10,632
Glass container manufacturing	<1	506	923	2,058
Glass product manufacturing made of purchased glass	<1	1,727	3,408	8,015
Cement manufacturing	<1	719	2,140	4,764
Ready-mix concrete manufacturing	<1	2,582	5,067	15,525
Concrete block and brick manufacturing	<1	811	1,741	4,106
Concrete pipe manufacturing	<1	18	36	83
Other concrete product manufacturing	<1	1,869	2,929	6,659
Lime manufacturing	<1	413	1,157	2,719
Gypsum product manufacturing	<1	603	2,030	4,535
Abrasive product manufacturing	<1	478	1,674	2,603
Cut stone and stone product manufacturing	<1	1,363	1,710	3,756
Ground or treated mineral and earth manufacturing	<1	692	2,276	3,668
Mineral wool manufacturing	<1	393	1,118	2,555
Miscellaneous nonmetallic mineral products manufacturing	<1	108	398	824
Iron and steel mills and ferroalloy manufacturing	<1	10,684	20,141	106,927
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,633	2,825	12,386
Rolled steel shape manufacturing	<1	1,338	2,777	13,012
Steel wire drawing	<1	783	1,197	5,639
Alumina refining and primary aluminum production	<1	154	240	1,563
Secondary smelting and alloying of aluminum	<1	143	247	1,923
Aluminum sheet, plate, and foil manufacturing	<1	3,848	7,549	29,159
Other aluminum rolling, drawing and extruding	<1	1,791	2,596	11,796

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	726	2,979	10,785
Copper rolling, drawing, extruding and alloying	<1	4,703	6,851	55,049
Nonferrous metal, except copper and aluminum, shaping	<1	1,295	1,561	5,424
Secondary processing of other nonferrous metals	<1	229	462	2,440
Ferrous metal foundries	<1	4,973	7,637	18,242
Nonferrous metal foundries	<1	1,824	2,576	7,287
Custom roll forming	<1	57	87	499
Crown and closure manufacturing and metal stamping	<1	2,534	3,040	8,957
Iron and steel forging	<1	1,994	2,923	11,317
Nonferrous forging	<1	638	858	3,512
Cutlery, utensil, pot, and pan manufacturing	<1	875	1,856	5,713
Handtool manufacturing	<1	1,058	1,552	3,893
Prefabricated metal buildings and components manufacturing	<1	700	935	2,852
Fabricated structural metal manufacturing	<1	3,145	4,286	14,336
Plate work manufacturing	<1	2,134	2,290	6,874
Metal window and door manufacturing	<1	2,541	3,233	9,008
Sheet metal work manufacturing	<1	3,400	4,231	11,575
Ornamental and architectural metal work manufacturing	<1	2,279	2,785	7,287
Power boiler and heat exchanger manufacturing	<1	217	278	768
Metal tank (heavy gauge) manufacturing	<1	360	435	1,304
Metal cans manufacturing	<1	684	1,311	7,324
Metal barrels, drums and pails manufacturing	<1	265	314	1,274
Hardware manufacturing	<1	719	1,029	3,307
Spring and wire product manufacturing	<1	1,362	1,736	4,959
Machine shops	<1	10,133	11,885	25,496
Turned product and screw, nut, and bolt manufacturing	<1	3,521	4,751	13,047
Metal heat treating	<1	772	1,033	2,728
Metal coating and nonprecious engraving	<1	2,315	3,603	8,936
Electroplating, anodizing, and coloring metal	<1	1,695	1,879	4,203
Valve and fittings, other than plumbing, manufacturing	<1	28,596	41,077	118,267

Appendix

Plumbing fixture fitting and trim manufacturing	<1	29	66	261
Ball and roller bearing manufacturing	<1	75	116	243
Small arms ammunition manufacturing	<1	264	464	1,264
Ammunition, except for small arms, manufacturing	<1	227	269	684
Small arms, ordnance, and accessories manufacturing	<1	1,243	2,034	5,546
Fabricated pipe and pipe fitting manufacturing	<1	1,617	1,916	5,094
Other fabricated metal manufacturing	<1	41,020	50,164	133,648
Farm machinery and equipment manufacturing	<1	128	203	806
Lawn and garden equipment manufacturing	<1	51	79	387
Construction machinery manufacturing	<1	391	736	2,460
Mining machinery and equipment manufacturing	<1	136	192	484
Oil and gas field machinery and equipment manufacturing	<1	101	147	458
Semiconductor machinery manufacturing	<1	137	155	491
Food product machinery manufacturing	<1	17	19	54
Sawmill, woodworking, and paper machinery	<1	195	212	614
Printing machinery and equipment manufacturing	<1	46	49	124
All other industrial machinery manufacturing	<1	202	238	670
Optical instrument and lens manufacturing	<1	118	151	517
Photographic and photocopying equipment manufacturing	<1	7	9	32
Other commercial service industry machinery manufacturing	<1	428	597	1,624
Air purification and ventilation equipment manufacturing	<1	226	277	744
Heating equipment (except warm air furnaces) manufacturing	<1	865	1,167	3,662
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,019	3,110	10,016
Industrial mold manufacturing	<1	234	260	552
Special tool, die, jig, and fixture manufacturing	<1	472	570	1,119

Appendix

Cutting tool and machine tool accessory manufacturing	<1	416	454	1,105
Machine tool manufacturing	<1	71	84	262
Rolling mill and other metalworking machinery manufacturing	0	-194	-201	-394
Turbine and turbine generator set units manufacturing	<1	48	58	204
Speed changer, industrial high-speed drive, and gear manufacturing	<1	314	415	1,091
Mechanical power transmission equipment manufacturing	<1	1,030	1,427	3,722
Other engine equipment manufacturing	<1	820	1,403	6,761
Pump and pumping equipment manufacturing	<1	212	313	895
Air and gas compressor manufacturing	<1	286	432	1,442
Elevator and moving stairway manufacturing	<1	91	114	343
Conveyor and conveying equipment manufacturing	<1	131	143	401
Overhead cranes, hoists, and monorail systems manufacturing	<1	41	67	230
Industrial truck, trailer, and stacker manufacturing	<1	181	257	886
Power-driven handtool manufacturing	<1	40	85	270
Welding and soldering equipment manufacturing	<1	51	65	229
Packaging machinery manufacturing	<1	96	121	330
Industrial process furnace and oven manufacturing	<1	72	80	191
Fluid power cylinder and actuator manufacturing	<1	200	257	718
Fluid power pump and motor manufacturing	<1	85	119	393
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	131	150	417
Electronic computer manufacturing	<1	63	144	419
Computer storage device manufacturing	<1	11	30	120
Computer terminals and other computer peripheral equipment manufacturing	<1	176	317	846
Telephone apparatus manufacturing	<1	631	1,137	3,566

Appendix

Broadcast and wireless communications equipment manufacturing	<1	44	73	193
Other communications equipment manufacturing	<1	631	1,182	2,644
Audio and video equipment manufacturing	<1	65	118	417
Printed circuit assembly (electronic assembly) manufacturing	<1	1,370	2,811	10,597
Bare printed circuit board manufacturing	<1	154	216	577
Semiconductor and related device manufacturing	<1	1,377	2,669	6,701
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	547	822	2,097
Electronic connector manufacturing	<1	4,103	6,737	14,811
Other electronic component manufacturing	<1	1,395	2,030	5,774
Electromedical and electrotherapeutic apparatus manufacturing	<1	190	403	1,003
Search, detection, and navigation instruments manufacturing	<1	40	70	155
Automatic environmental control manufacturing	<1	95	134	328
Industrial process variable instruments manufacturing	<1	552	942	2,166
Totalizing fluid meter and counting device manufacturing	<1	1,180	3,035	6,326
Electricity and signal testing instruments manufacturing	<1	125	215	733
Analytical laboratory instrument manufacturing	<1	15,384	29,167	61,973
Irradiation apparatus manufacturing	<1	6	14	31
Watch, clock, and other measuring and controlling device manufacturing	<1	118	240	580
Blank magnetic and optical recording media manufacturing	<1	15	48	153
Software and other prerecorded and record reproducing	<1	25	40	186
Electric lamp bulb and part manufacturing	<1	629	1,061	2,699
Lighting fixture manufacturing	<1	683	950	2,581
Small electrical appliance manufacturing	<1	462	899	3,328

Appendix

Household cooking appliance manufacturing	<1	14	27	98
Household refrigerator and home freezer manufacturing	<1	15	30	105
Household laundry equipment manufacturing	<1	37	59	263
Other major household appliance manufacturing	<1	6	12	39
Power, distribution, and specialty transformer manufacturing	<1	54	77	228
Motor and generator manufacturing	<1	427	654	2,043
Switchgear and switchboard apparatus manufacturing	<1	1,293	1,959	5,152
Relay and industrial control manufacturing	<1	3,232	4,221	9,617
Storage battery manufacturing	<1	714	970	2,676
Primary battery manufacturing	<1	5,025	10,895	24,500
Fiber optic cable manufacturing	<1	347	432	1,920
Other communication and energy wire manufacturing	<1	456	659	2,804
Wiring device manufacturing	<1	4,278	7,001	17,178
Carbon and graphite product manufacturing	<1	3,561	5,483	17,554
All other miscellaneous electrical equipment and component manufacturing	<1	55,972	66,170	198,753
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	63	150	794
Motor vehicle body manufacturing	<1	396	524	1,966
Truck trailer manufacturing	<1	23	30	126
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,798	2,026	8,329
Motor vehicle gasoline engine and engine parts manufacturing	<1	731	1,108	6,771
Motor vehicle electrical and electronic equipment manufacturing	<1	2,630	3,569	22,119
Motor vehicle transmission and power train parts manufacturing	<1	2,341	3,498	16,441
Motor vehicle seating and interior trim manufacturing	<1	204	251	1,244
Motor vehicle metal stamping	<1	342	422	1,934
Other motor vehicle parts manufacturing	<1	4,357	6,119	23,343

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,750	2,761	12,389
Aircraft manufacturing	<1	112	173	664
Aircraft engine and engine parts manufacturing	<1	3,504	5,012	20,154
Other aircraft parts and auxiliary equipment manufacturing	<1	22,850	28,275	64,485
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,145	2,457	5,822
Railroad rolling stock manufacturing	<1	241	252	977
Ship building and repairing	<1	104	115	292
Boat building	<1	4	5	37
Motorcycle, bicycle, and parts manufacturing	<1	1,275	2,433	10,241
Military armored vehicle, tank, and tank component manufacturing	<1	14,447	19,706	91,111
All other transportation equipment manufacturing	<1	445	622	3,693
Wood kitchen cabinet and countertop manufacturing	<1	3,778	4,967	11,560
Upholstered household furniture manufacturing	<1	1,142	1,269	4,005
Nonupholstered wood household furniture manufacturing	<1	660	758	2,160
Other household nonupholstered furniture manufacturing	<1	540	777	2,488
Institutional furniture manufacturing	<1	55	59	190
Wood office furniture manufacturing	<1	12	16	47
Custom architectural woodwork and millwork	<1	58	55	161
Office furniture, except wood, manufacturing	<1	703	1,060	2,800
Showcase, partition, shelving, and locker manufacturing	<1	529	722	1,810
Mattress manufacturing	<1	384	600	2,383
Blind and shade manufacturing	<1	71	74	241
Surgical and medical instrument manufacturing	<1	2,029	3,446	8,004
Surgical appliance and supplies manufacturing	<1	2,486	4,449	11,067
Dental equipment and supplies manufacturing	<1	152	238	613

Appendix

Ophthalmic goods manufacturing	<1	386	681	1,542
Dental laboratories	<1	662	682	1,250
Jewelry and silverware manufacturing	<1	667	992	2,757
Sporting and athletic goods manufacturing	<1	920	1,224	3,807
Doll, toy, and game manufacturing	<1	316	473	1,367
Office supplies (except paper) manufacturing	<1	969	1,331	4,711
Sign manufacturing	<1	1,510	1,294	3,107
Gasket, packing, and sealing device manufacturing	<1	1,106	1,310	2,901
Musical instrument manufacturing	<1	373	393	824
Fasteners, buttons, needles, and pins manufacturing	<1	165	209	490
Broom, brush, and mop manufacturing	<1	920	1,203	3,191
Burial casket manufacturing	<1	784	931	2,155
All other miscellaneous manufacturing	<1	2,847	3,632	8,856
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	12,526	29,179	67,594
Wholesale - Professional and commercial equipment and supplies	<1	41,118	66,199	113,700
Wholesale - Household appliances and electrical and electronic goods	<1	23,270	54,903	114,390
Wholesale - Machinery, equipment, and supplies	<1	29,503	56,913	96,579
Wholesale - Other durable goods merchant wholesalers	<1	43,442	75,661	143,822
Wholesale - Drugs and druggists' sundries	<1	36,919	103,610	179,598
Wholesale - Grocery and related product wholesalers	<1	46,519	63,682	126,003
Wholesale - Petroleum and petroleum products	<1	7,263	112,348	126,907
Wholesale - Other nondurable goods merchant wholesalers	<1	59,005	130,020	230,232
Wholesale - Wholesale electronic markets and agents and brokers	<1	65,720	68,210	77,373
Retail - Motor vehicle and parts dealers	<1	54,060	76,307	117,187
Retail - Furniture and home furnishings stores	<1	25,484	31,405	53,607
Retail - Electronics and appliance stores	<1	29,445	25,803	48,168

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Retail - Building material and garden equipment and supplies stores	<1	30,434	47,960	74,497
Retail - Food and beverage stores	3	89,976	112,588	195,551
Retail - Health and personal care stores	1	63,203	73,881	113,866
Retail - Gasoline stores	<1	21,365	36,008	81,090
Retail - Clothing and clothing accessories stores	1	36,651	50,236	109,862
Retail - Sporting goods, hobby, musical instrument and book stores	<1	22,895	28,208	47,890
Retail - General merchandise stores	3	76,381	102,140	178,443
Retail - Miscellaneous store retailers	2	39,856	44,824	80,311
Retail - Nonstore retailers	2	75,337	201,130	359,277
Air transportation	<1	42,069	82,358	149,705
Rail transportation	<1	17,814	28,099	61,218
Water transportation	<1	2,689	3,622	21,538
Truck transportation	2	172,441	203,095	378,549
Transit and ground passenger transportation	3	44,123	55,533	81,450
Pipeline transportation	<1	122,576	98,624	98,108
Scenic and sightseeing transportation and support activities for transportation	1	66,703	71,885	151,292
Couriers and messengers	1	43,248	54,017	94,991
Warehousing and storage	1	71,271	79,451	141,932
Newspaper publishers	<1	11,431	20,441	25,595
Periodical publishers	<1	13,126	21,623	30,371
Book publishers	<1	7,124	23,426	34,805
Directory, mailing list, and other publishers	<1	3,495	10,189	14,201
Greeting card publishing	0	0	0	0
Software publishers	2	247,893	592,005	645,089
Motion picture and video industries	<1	13,627	31,433	69,451
Sound recording industries	<1	1,229	12,176	19,478
Radio and television broadcasting	<1	370,686	394,536	455,845
Cable and other subscription programming	<1	12,279	23,659	28,060
Wired telecommunications carriers	<1	68,918	250,691	330,971
Wireless telecommunications carriers (except satellite)	<1	10,594	137,439	203,958

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Satellite, telecommunications resellers, and all other telecommunications	<1	3,667	7,569	14,789
Data processing, hosting, and related services	<1	42,555	77,808	221,428
News syndicates, libraries, archives and all other information services	<1	5,847	9,375	32,346
Internet publishing and broadcasting and web search portals	<1	35,738	75,251	239,043
Nondepository credit intermediation and related activities	<1	58,823	70,485	115,550
Securities and commodity contracts intermediation and brokerage	1	83,966	68,743	150,004
Monetary authorities and depository credit intermediation	3	267,205	535,889	1,026,075
Other financial investment activities	2	136,105	183,881	494,033
Direct life insurance carriers	<1	69,847	122,824	174,844
Insurance carriers, except direct life	2	168,617	471,171	991,551
Insurance agencies, brokerages, and related activities	2	138,765	212,172	474,440
Funds, trusts, and other financial vehicles	<1	20,728	25,567	151,405
Other real estate	12	274,315	959,378	2,386,600
Tenant-occupied housing	1	25,455	297,993	348,735
Owner-occupied dwellings	0	0	1,087,056	1,379,970
Automotive equipment rental and leasing	<1	22,593	55,274	77,779
General and consumer goods rental except video tapes and discs	<1	20,711	26,832	44,168
Video tape and disc rental	<1	4,423	7,112	11,570
Commercial and industrial machinery and equipment rental and leasing	<1	28,672	67,757	90,028
Lessors of nonfinancial intangible assets	<1	1,289	47,487	58,227
Legal services	4	372,295	624,117	819,859
Accounting, tax preparation, bookkeeping, and payroll services	2	138,987	160,879	233,831
Architectural, engineering, and related services	2	185,953	194,396	335,065
Specialized design services	<1	11,670	15,272	23,878
Custom computer programming services	<1	53,891	56,134	78,011

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Computer systems design services	<1	83,320	74,306	94,982
Other computer related services, including facilities management	<1	27,328	35,970	66,711
Management consulting services	6	696,398	713,613	1,049,607
Environmental and other technical consulting services	<1	55,332	57,058	82,683
Scientific research and development services	55	5,708,424	7,216,733	13,201,488
Advertising, public relations, and related services	1	82,645	99,941	177,614
Photographic services	<1	4,008	7,465	15,406
Veterinary services	<1	17,856	20,019	31,344
Marketing research and all other miscellaneous professional, scientific, and technical services	2	144,621	211,251	379,619
Management of companies and enterprises	4	647,755	772,713	1,182,372
Office administrative services	<1	19,091	6,274	16,649
Facilities support services	<1	11,157	15,229	38,644
Employment services	8	339,979	450,260	696,368
Business support services	2	81,589	63,872	109,887
Travel arrangement and reservation services	<1	24,663	30,236	70,127
Investigation and security services	1	52,697	51,006	75,035
Services to buildings	2	65,542	84,075	158,302
Landscape and horticultural services	1	54,427	63,756	109,147
Other support services	<1	30,051	36,651	74,159
Waste management and remediation services	<1	38,658	63,853	115,522
Elementary and secondary schools	1	54,606	44,017	52,164
Junior colleges, colleges, universities, and professional schools	41	2,440,963	3,126,523	3,965,284
Other educational services	<1	43,619	48,000	87,588
Offices of physicians	4	463,383	482,530	658,063
Offices of dentists	1	65,118	80,368	115,462
Offices of other health practitioners	1	65,889	93,155	124,943
Outpatient care centers	1	100,741	91,036	154,803
Medical and diagnostic laboratories	<1	28,596	40,197	57,694
Home health care services	2	114,552	108,704	139,151
Other ambulatory health care services	<1	31,075	34,355	55,130

Appendix

Hospitals	8	656,869	741,193	1,432,181
Nursing and community care facilities	2	103,781	113,156	198,021
Residential mental retardation, mental health, substance abuse and other facilities	1	48,322	51,069	77,886
Individual and family services	4	150,014	134,284	188,896
Child day care services	1	37,728	61,327	81,370
Community food, housing, and other relief services, including rehabilitation services	<1	26,480	26,105	54,958
Performing arts companies	<1	11,723	20,893	31,054
Commercial Sports Except Racing	<1	37,473	43,721	55,422
Racing and Track Operation	<1	3,902	7,163	10,645
Independent artists, writers, and performers	<1	5,651	29,638	35,531
Promoters of performing arts and sports and agents for public figures	<1	12,014	32,453	50,755
Museums, historical sites, zoos, and parks	<1	8,114	12,626	20,148
Amusement parks and arcades	<1	4,101	8,080	13,100
Gambling industries (except casino hotels)	<1	23,939	58,896	91,658
Other amusement and recreation industries	<1	20,191	21,647	44,534
Fitness and recreational sports centers	<1	10,274	13,295	26,327
Bowling centers	<1	1,713	2,522	4,905
Hotels and motels, including casino hotels	1	48,047	83,413	132,008
Other accommodations	<1	21,909	29,044	38,359
Full-service restaurants	6	149,083	217,948	388,184
Limited-service restaurants	4	85,565	136,578	309,714
All other food and drinking places	4	111,444	151,878	233,549
Automotive repair and maintenance, except car washes	2	120,540	127,720	192,250
Car washes	<1	50,028	72,212	112,438
Electronic and precision equipment repair and maintenance	2	124,888	139,059	228,694
Commercial and industrial machinery and equipment repair and maintenance	<1	56,967	48,864	74,033
Personal and household goods repair and maintenance	<1	11,929	21,634	30,982
Personal care services	2	59,956	51,084	68,925
Death care services	<1	14,721	8,173	12,209

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Dry-cleaning and laundry services	<1	24,009	12,235	17,271
Other personal services	<1	24,847	30,549	44,623
Religious organizations	3	125,720	61,630	237,014
Grantmaking, giving, and social advocacy organizations	<1	25,563	83,499	126,950
Business and professional associations	<1	24,164	42,448	71,131
Labor and civic organizations	1	24,161	71,014	141,138
Private households	<1	12,849	12,849	12,849
Postal service	<1	59,969	59,992	63,827
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	24,819	35,375	99,162
State government passenger transit	<1	9,623	-4,659	14,376
State government electric utilities	0	0	0	0
Other state government enterprises	1	83,496	94,302	223,726
Local government passenger transit	<1	12,220	-8,288	10,881
Local government electric utilities	<1	47	131	261
Other local government enterprises	<1	66,658	135,374	254,214
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,194,810	1,566,783	3,506,959

Rhode Island

NASA

Table 742: Detailed NASA Impacts by Types of Impact, Rhode Island

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	86	5,566,113	8,490,423	15,882,956
Oilseed farming	0	0	0	0
Grain farming	<1	43	32	98
Vegetable and melon farming	<1	610	734	1,014
Fruit farming	<1	228	260	316
Tree nut farming	<1	5	7	8
Greenhouse, nursery, and floriculture production	<1	684	768	971
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	65	68	90
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	98	164	260
Dairy cattle and milk production	<1	34	51	145
Poultry and egg production	<1	73	157	688
Animal production, except cattle and poultry and eggs	<1	4,193	4,087	5,768
Forestry, forest products, and timber tract production	<1	325	372	435
Commercial logging	<1	198	227	301
Commercial fishing	<1	2,467	1,394	1,779
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	458	448	1,091
Oil and gas extraction	<1	1,335	1,598	10,305
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	367	950	1,696
Sand and gravel mining	<1	706	1,333	2,491

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	2	2	7
Metal mining services	<1	4	5	36
Other nonmetallic minerals services	<1	<1	<1	7
Electric power generation - Hydroelectric	<1	744	2,936	4,844
Electric power generation - Fossil fuel	<1	3,078	17,663	40,902
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	1,891	22,179	32,530
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	425	394	833
Electric power transmission and distribution	<1	11,107	55,703	123,650
Natural gas distribution	<1	6,853	26,743	53,214
Water, sewage and other systems	<1	1,052	2,778	4,884
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	24,053	34,800	77,271
Maintenance and repair construction of residential structures	<1	6,948	9,863	21,860
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	13	29
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	361	857	4,603
Flour milling	<1	16	22	382
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	68	101	892
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	7	9	73
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	32	37	395
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	131	145	680
Canned fruits and vegetables manufacturing	<1	35	47	376
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	37	44	599
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	195	232	2,324
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	51	60	584
Frozen cakes and other pastries manufacturing	<1	330	423	792

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Poultry processing	<1	38	42	211
Animal, except poultry, slaughtering	<1	88	113	667
Meat processed from carcasses	<1	2,034	1,894	14,400
Rendering and meat byproduct processing	<1	19	25	95
Seafood product preparation and packaging	<1	340	357	1,700
Bread and bakery product, except frozen, manufacturing	<1	1,258	1,476	4,143
Cookie and cracker manufacturing	<1	24	28	168
Dry pasta, mixes, and dough manufacturing	<1	11	15	123
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	117	153	664
Other snack food manufacturing	<1	245	346	1,675
Coffee and tea manufacturing	<1	145	178	1,109
Flavoring syrup and concentrate manufacturing	<1	8	23	144
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	26	32	258
All other food manufacturing	<1	172	201	1,349
Bottled and canned soft drinks & water	<1	570	706	4,518
Manufactured ice	<1	54	12	143
Breweries	<1	244	448	1,837
Wineries	<1	164	205	845
Distilleries	<1	44	178	447
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	338	491	1,820
Broadwoven fabric mills	<1	53	78	247
Narrow fabric mills and schiffli machine embroidery	<1	355	393	1,224
Nonwoven fabric mills	<1	67	106	401
Knit fabric mills	<1	64	77	180
Textile and fabric finishing mills	<1	120	149	464
Fabric coating mills	<1	394	493	1,906
Carpet and rug mills	<1	625	1,001	4,017
Curtain and linen mills	<1	29	37	133
Textile bag and canvas mills	<1	36	43	128
Rope, cordage, twine, tire cord and tire fabric mills	<1	117	162	424
Other textile product mills	<1	91	107	279
Hosiery and sock mills	<1	1	2	5

Appendix

Other apparel knitting mills	<1	2	3	7
Cut and sew apparel contractors	<1	8	9	34
Mens and boys cut and sew apparel manufacturing	<1	6	6	35
Womens and girls cut and sew apparel manufacturing	<1	<1	1	6
Other cut and sew apparel manufacturing	<1	4	3	29
Apparel accessories and other apparel manufacturing	<1	4	4	29
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	9	9	22
Sawmills	<1	81	150	583
Wood preservation	<1	86	305	993
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	18	31	96
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	66	103	238
Cut stock, resawing lumber, and planing	<1	6	13	31
Other millwork, including flooring	<1	861	1,601	3,460
Wood container and pallet manufacturing	<1	219	336	900
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	7	10	35
All other miscellaneous wood product manufacturing	<1	113	192	488
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	141	185	1,386
Paperboard container manufacturing	<1	718	848	6,433
Paper bag and coated and treated paper manufacturing	<1	875	1,022	5,064
Stationery product manufacturing	<1	75	88	470
Sanitary paper product manufacturing	<1	565	750	5,165
All other converted paper product manufacturing	<1	107	122	559

Appendix

Printing	<1	7,988	11,617	24,709
Support activities for printing	<1	447	609	1,021
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	118	634	900
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	72	89	491
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	170	236	2,725
Plastics material and resin manufacturing	<1	1,118	1,450	16,673
Synthetic rubber manufacturing	<1	25	30	185
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	1	2	9
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	1,165	1,900	7,855
In-vitro diagnostic substance manufacturing	<1	5	5	14
Biological product (except diagnostic) manufacturing	<1	11	13	35
Paint and coating manufacturing	<1	35	44	327
Adhesive manufacturing	<1	41	46	228
Soap and other detergent manufacturing	<1	892	1,483	11,764
Polish and other sanitation good manufacturing	<1	177	200	755
Surface active agent manufacturing	<1	166	276	1,714
Toilet preparation manufacturing	<1	29	45	270
Printing ink manufacturing	<1	<1	<1	7

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	889	1,085	4,424
Photographic film and chemical manufacturing	<1	397	539	3,451
Other miscellaneous chemical product manufacturing	<1	63	77	592
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	795	1,348	4,105
Unlaminated plastics profile shape manufacturing	<1	176	401	1,171
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	175	335	917
Polystyrene foam product manufacturing	<1	256	447	1,379
Urethane and other foam product (except polystyrene) manufacturing	<1	146	249	1,111
Plastics bottle manufacturing	<1	23	38	159
Other plastics product manufacturing	<1	871	1,311	4,219
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	43	66	178
Other rubber product manufacturing	<1	94	136	426
Pottery, ceramics, and plumbing fixture manufacturing	<1	21	27	77
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	33	52	191
Other pressed and blown glass and glassware manufacturing	<1	72	105	520
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	20	28	98
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	358	496	2,017
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	227	277	785
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	<1	176	323	643
Cut stone and stone product manufacturing	<1	511	566	1,193
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	257	423	1,130
Miscellaneous nonmetallic mineral products manufacturing	<1	113	209	563
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	25	36	187
Rolled steel shape manufacturing	<1	61	99	562
Steel wire drawing	<1	17	21	119
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	121	349	2,214
Copper rolling, drawing, extruding and alloying	<1	518	682	6,429
Nonferrous metal, except copper and aluminum, shaping	<1	180	206	918
Secondary processing of other nonferrous metals	<1	22	31	245
Ferrous metal foundries	<1	37	47	141
Nonferrous metal foundries	<1	98	125	443
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	383	371	1,208
Iron and steel forging	<1	45	42	240
Nonferrous forging	<1	31	29	151
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	8	8	37
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	152	142	673
Plate work manufacturing	<1	24	25	90
Metal window and door manufacturing	<1	469	441	1,210
Sheet metal work manufacturing	<1	110	106	378

Appendix

Ornamental and architectural metal work manufacturing	<1	73	69	208
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	82	80	314
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	57	58	263
Hardware manufacturing	<1	117	111	575
Spring and wire product manufacturing	<1	161	153	539
Machine shops	<1	568	554	1,371
Turned product and screw, nut, and bolt manufacturing	<1	493	464	1,874
Metal heat treating	<1	43	40	146
Metal coating and nonprecious engraving	<1	199	173	788
Electroplating, anodizing, and coloring metal	<1	424	426	1,204
Valve and fittings, other than plumbing, manufacturing	<1	128	118	411
Plumbing fixture fitting and trim manufacturing	<1	229	163	1,594
Ball and roller bearing manufacturing	<1	4	4	15
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	1	<1	3
Other fabricated metal manufacturing	<1	626	596	2,149
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	5	18	52
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

Appendix

Sawmill, woodworking, and paper machinery	<1	4	5	14
Printing machinery and equipment manufacturing	<1	4	5	12
All other industrial machinery manufacturing	<1	9	15	37
Optical instrument and lens manufacturing	<1	2	4	9
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	22	50	130
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	32	65	147
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	316	800	1,745
Industrial mold manufacturing	<1	26	35	73
Special tool, die, jig, and fixture manufacturing	<1	18	30	58
Cutting tool and machine tool accessory manufacturing	<1	73	92	231
Machine tool manufacturing	<1	9	14	36
Rolling mill and other metalworking machinery manufacturing	<1	5	6	14
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	5	16
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	7	15	48

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Power-driven handtool manufacturing	<1	<1	3	6
Welding and soldering equipment manufacturing	<1	<1	1	3
Packaging machinery manufacturing	<1	1	2	5
Industrial process furnace and oven manufacturing	<1	3	4	9
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	10	14	38
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	18	27	60
Telephone apparatus manufacturing	<1	14	20	52
Broadcast and wireless communications equipment manufacturing	<1	6	8	21
Other communications equipment manufacturing	<1	11	17	46
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	<1	10	16	65
Bare printed circuit board manufacturing	<1	11	14	34
Semiconductor and related device manufacturing	<1	13	19	51
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	27	36	88
Electronic connector manufacturing	<1	240	341	1,099
Other electronic component manufacturing	<1	3	3	10
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	9	36
Search, detection, and navigation instruments manufacturing	<1	9	13	27
Automatic environmental control manufacturing	<1	19	24	51

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Industrial process variable instruments manufacturing	<1	64	93	251
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	48	69	205
Analytical laboratory instrument manufacturing	<1	20,655	31,277	68,001
Irradiation apparatus manufacturing	<1	1	2	5
Watch, clock, and other measuring and controlling device manufacturing	<1	14	22	55
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	7	9	18
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	57	88	239
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	72	126	265
Switchgear and switchboard apparatus manufacturing	<1	24	41	79
Relay and industrial control manufacturing	<1	28	38	70
Storage battery manufacturing	<1	66	97	238
Primary battery manufacturing	<1	1,031	3,794	5,768
Fiber optic cable manufacturing	<1	40	52	208
Other communication and energy wire manufacturing	<1	2	4	15
Wiring device manufacturing	<1	215	418	1,005
Carbon and graphite product manufacturing	<1	95	166	403
All other miscellaneous electrical equipment and component manufacturing	<1	3	4	10
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	19	35	131
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	22	50	249
Motor vehicle electrical and electronic equipment manufacturing	<1	123	217	1,076
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	115	187	792
Other motor vehicle parts manufacturing	<1	7	13	61
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	348	888	3,260
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	362	643	1,197
Boat building	<1	1,053	2,084	5,543
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	307	348	872
Upholstered household furniture manufacturing	<1	15	16	56

Appendix

Nonupholstered wood household furniture manufacturing	<1	29	32	100
Other household nonupholstered furniture manufacturing	<1	33	43	170
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	69	64	189
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	139	163	472
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	12	13	43
Surgical and medical instrument manufacturing	<1	444	929	1,702
Surgical appliance and supplies manufacturing	<1	124	283	603
Dental equipment and supplies manufacturing	<1	2	4	10
Ophthalmic goods manufacturing	<1	30	69	127
Dental laboratories	<1	16	17	31
Jewelry and silverware manufacturing	<1	611	1,010	2,090
Sporting and athletic goods manufacturing	<1	54	83	233
Doll, toy, and game manufacturing	<1	11	22	80
Office supplies (except paper) manufacturing	<1	4	6	31
Sign manufacturing	<1	702	676	1,519
Gasket, packing, and sealing device manufacturing	<1	100	134	280
Musical instrument manufacturing	<1	7	7	16
Fasteners, buttons, needles, and pins manufacturing	<1	61	89	218
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	167	222	430
All other miscellaneous manufacturing	<1	9,397	13,166	25,523
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	3,250	7,622	18,265
Wholesale - Professional and commercial equipment and supplies	<1	12,984	21,006	37,280

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Wholesale - Household appliances and electrical and electronic goods	<1	5,419	12,373	25,036
Wholesale - Machinery, equipment, and supplies	<1	6,012	11,635	19,910
Wholesale - Other durable goods merchant wholesalers	<1	16,668	28,758	51,660
Wholesale - Drugs and druggists' sundries	<1	8,122	21,245	39,435
Wholesale - Grocery and related product wholesalers	<1	14,480	19,240	34,517
Wholesale - Petroleum and petroleum products	<1	1,442	31,361	34,357
Wholesale - Other nondurable goods merchant wholesalers	<1	21,846	50,632	86,413
Wholesale - Wholesale electronic markets and agents and brokers	<1	16,120	16,732	18,862
Retail - Motor vehicle and parts dealers	<1	13,012	19,351	29,180
Retail - Furniture and home furnishings stores	<1	7,350	9,363	15,312
Retail - Electronics and appliance stores	<1	7,996	7,588	13,037
Retail - Building material and garden equipment and supplies stores	<1	9,493	15,928	23,795
Retail - Food and beverage stores	<1	26,050	33,301	54,610
Retail - Health and personal care stores	<1	17,683	20,925	30,359
Retail - Gasoline stores	<1	9,721	12,781	20,363
Retail - Clothing and clothing accessories stores	<1	9,628	14,481	31,103
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,412	6,988	11,289
Retail - General merchandise stores	<1	19,985	26,374	42,311
Retail - Miscellaneous store retailers	<1	12,463	14,276	23,142
Retail - Nonstore retailers	<1	18,397	50,097	85,344
Air transportation	<1	3,018	16,047	25,374
Rail transportation	<1	2,830	296	5,948
Water transportation	<1	3,918	5,439	27,425
Truck transportation	<1	17,215	20,397	38,566
Transit and ground passenger transportation	<1	12,582	16,581	22,929
Pipeline transportation	<1	1,560	3,556	4,091
Scenic and sightseeing transportation and support activities for transportation	<1	28,612	30,857	65,151

Appendix

Couriers and messengers	<1	10,117	13,235	23,614
Warehousing and storage	<1	6,639	7,472	15,547
Newspaper publishers	<1	4,164	7,094	9,183
Periodical publishers	<1	1,597	2,538	3,998
Book publishers	<1	214	651	1,159
Directory, mailing list, and other publishers	<1	221	622	1,090
Greeting card publishing	<1	32	86	106
Software publishers	<1	13,071	29,541	33,296
Motion picture and video industries	<1	7,016	12,115	25,890
Sound recording industries	<1	284	1,795	3,240
Radio and television broadcasting	<1	9,353	13,018	43,864
Cable and other subscription programming	<1	173	1,482	3,090
Wired telecommunications carriers	<1	13,799	35,606	60,733
Wireless telecommunications carriers (except satellite)	<1	1,854	15,556	33,581
Satellite, telecommunications resellers, and all other telecommunications	<1	3,942	6,285	15,564
Data processing, hosting, and related services	<1	12,697	23,401	64,534
News syndicates, libraries, archives and all other information services	<1	2,060	3,449	10,539
Internet publishing and broadcasting and web search portals	<1	6,192	13,102	46,993
Nondepository credit intermediation and related activities	<1	20,035	24,253	39,897
Securities and commodity contracts intermediation and brokerage	<1	80,492	71,828	109,810
Monetary authorities and depository credit intermediation	1	120,804	261,218	467,909
Other financial investment activities	<1	50,687	67,567	114,795
Direct life insurance carriers	<1	4,279	10,636	13,750
Insurance carriers, except direct life	<1	35,416	164,900	263,392
Insurance agencies, brokerages, and related activities	<1	28,031	55,918	108,108
Funds, trusts, and other financial vehicles	<1	5,528	7,442	40,394
Other real estate	6	113,849	396,448	1,116,076
Tenant-occupied housing	<1	3,308	99,381	107,359

Appendix

Owner-occupied dwellings	0	0	381,440	484,221
Automotive equipment rental and leasing	<1	5,275	15,692	23,267
General and consumer goods rental except video tapes and discs	<1	4,526	6,066	10,419
Video tape and disc rental	<1	1,125	1,894	3,033
Commercial and industrial machinery and equipment rental and leasing	<1	6,196	15,627	22,039
Lessors of nonfinancial intangible assets	<1	1,063	23,802	27,889
Legal services	2	157,867	237,105	353,220
Accounting, tax preparation, bookkeeping, and payroll services	<1	43,318	59,573	86,461
Architectural, engineering, and related services	<1	74,021	82,991	148,441
Specialized design services	<1	4,804	8,103	11,838
Custom computer programming services	<1	14,460	15,406	21,809
Computer systems design services	<1	38,630	34,739	46,428
Other computer related services, including facilities management	<1	6,160	8,284	16,278
Management consulting services	1	96,170	100,545	158,954
Environmental and other technical consulting services	<1	16,323	17,236	25,528
Scientific research and development services	30	2,314,303	3,117,438	6,318,635
Advertising, public relations, and related services	<1	23,578	33,815	60,669
Photographic services	<1	1,195	3,204	5,578
Veterinary services	<1	5,421	6,924	10,215
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	23,071	44,992	78,266
Management of companies and enterprises	2	270,177	321,468	516,747
Office administrative services	<1	21,792	7,697	21,804
Facilities support services	<1	3,290	4,655	8,794
Employment services	3	132,098	185,088	276,437
Business support services	<1	20,312	16,648	27,160
Travel arrangement and reservation services	<1	9,719	12,216	28,384
Investigation and security services	<1	16,144	15,619	22,893
Services to buildings	<1	29,361	38,576	70,110
Landscape and horticultural services	<1	22,202	26,182	43,956

Appendix

Other support services	<1	7,156	8,934	19,470
Waste management and remediation services	<1	11,989	21,778	39,055
Elementary and secondary schools	<1	21,039	18,565	21,472
Junior colleges, colleges, universities, and professional schools	3	126,832	182,644	235,191
Other educational services	<1	9,927	11,643	20,746
Offices of physicians	<1	96,511	101,467	143,244
Offices of dentists	<1	17,933	22,400	32,375
Offices of other health practitioners	<1	16,268	23,398	31,470
Outpatient care centers	<1	25,615	23,509	43,314
Medical and diagnostic laboratories	<1	9,919	14,105	18,692
Home health care services	<1	26,608	25,553	32,830
Other ambulatory health care services	<1	7,336	8,202	13,497
Hospitals	2	154,314	197,393	374,391
Nursing and community care facilities	<1	24,662	31,424	50,128
Residential mental retardation, mental health, substance abuse and other facilities	<1	11,707	13,963	21,569
Individual and family services	<1	28,134	24,687	36,006
Child day care services	<1	11,125	16,626	21,699
Community food, housing, and other relief services, including rehabilitation services	<1	10,651	10,670	23,399
Performing arts companies	<1	5,751	8,376	15,835
Commercial Sports Except Racing	<1	9,390	10,426	16,076
Racing and Track Operation	<1	942	1,407	2,099
Independent artists, writers, and performers	<1	3,067	9,862	15,096
Promoters of performing arts and sports and agents for public figures	<1	3,488	6,438	13,509
Museums, historical sites, zoos, and parks	<1	2,884	3,907	6,534
Amusement parks and arcades	<1	429	1,178	1,436
Gambling industries (except casino hotels)	<1	4,069	12,569	18,343
Other amusement and recreation industries	<1	6,938	8,506	14,770
Fitness and recreational sports centers	<1	3,554	5,712	9,852
Bowling centers	<1	718	1,334	2,210

Appendix

Hotels and motels, including casino hotels	<1	2,964	6,398	9,248
Other accommodations	<1	1,123	1,651	2,160
Full-service restaurants	2	58,676	91,075	149,118
Limited-service restaurants	1	26,749	45,170	90,898
All other food and drinking places	1	38,318	57,571	86,359
Automotive repair and maintenance, except car washes	<1	37,383	33,172	52,384
Car washes	<1	13,603	19,969	30,608
Electronic and precision equipment repair and maintenance	<1	9,780	10,327	17,440
Commercial and industrial machinery and equipment repair and maintenance	<1	7,763	8,009	11,167
Personal and household goods repair and maintenance	<1	4,695	7,896	11,410
Personal care services	<1	15,008	12,068	16,273
Death care services	<1	4,877	2,237	3,509
Dry-cleaning and laundry services	<1	11,905	4,954	7,502
Other personal services	<1	11,207	13,113	18,692
Religious organizations	<1	23,396	7,025	33,207
Grantmaking, giving, and social advocacy organizations	<1	11,802	31,081	53,138
Business and professional associations	<1	6,441	9,850	18,383
Labor and civic organizations	<1	8,843	20,947	41,017
Private households	<1	2,969	2,969	2,969
Postal service	<1	16,982	16,985	18,093
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	358	486	2,155
State government passenger transit	<1	6,634	902	25,882
State government electric utilities	0	0	0	0
Other state government enterprises	<1	1,632	1,595	3,103
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	8,662	14,825	29,639
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	181,053	212,983	487,248

Moon to Mars Campaign

Table 743: Detailed M2M Campaign Impacts by Types of Impact, Rhode Island

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>32</i>	<i>2,180,429</i>	<i>3,305,743</i>	<i>6,044,047</i>
Oilseed farming	0	0	0	0
Grain farming	<1	14	12	33
Vegetable and melon farming	<1	222	274	377
Fruit farming	<1	92	106	130
Tree nut farming	<1	3	3	4
Greenhouse, nursery, and floriculture production	<1	212	242	304
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	20	21	28
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	30	48	75
Dairy cattle and milk production	<1	14	20	54
Poultry and egg production	<1	23	54	211
Animal production, except cattle and poultry and eggs	<1	1,128	1,266	1,808
Forestry, forest products, and timber tract production	<1	126	145	165
Commercial logging	<1	55	64	81
Commercial fishing	<1	981	487	625
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	155	151	369
Oil and gas extraction	<1	311	466	3,039

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	147	320	584
Sand and gravel mining	<1	299	507	929
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	<1	1	9
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	290	1,138	1,830
Electric power generation - Fossil fuel	<1	1,519	8,281	17,741
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	660	7,697	11,053
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	212	200	375
Electric power transmission and distribution	<1	4,614	22,917	48,398
Natural gas distribution	<1	2,757	11,122	21,078
Water, sewage and other systems	<1	377	983	1,642
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,982	13,122	28,480
Maintenance and repair construction of residential structures	<1	2,666	3,801	8,284
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	11
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	129	320	1,643
Flour milling	<1	5	7	125
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	18	28	233
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	3	4	30
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	12	14	137
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	49	55	255
Canned fruits and vegetables manufacturing	<1	17	23	177

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	15	17	239
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	71	86	854
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	19	23	205
Frozen cakes and other pastries manufacturing	<1	126	161	297
Poultry processing	<1	12	13	66
Animal, except poultry, slaughtering	<1	26	34	200
Meat processed from carcasses	<1	764	720	5,417
Rendering and meat byproduct processing	<1	8	10	38
Seafood product preparation and packaging	<1	110	120	550
Bread and bakery product, except frozen, manufacturing	<1	463	546	1,518
Cookie and cracker manufacturing	<1	10	12	69
Dry pasta, mixes, and dough manufacturing	<1	4	6	46
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	48	66	267
Other snack food manufacturing	<1	93	134	632
Coffee and tea manufacturing	<1	49	63	379
Flavoring syrup and concentrate manufacturing	<1	4	11	68
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	13	16	124
All other food manufacturing	<1	73	85	552
Bottled and canned soft drinks & water	<1	204	260	1,618
Manufactured ice	<1	20	5	52
Breweries	<1	84	162	649
Wineries	<1	81	103	406
Distilleries	<1	17	70	168
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	74	118	394
Broadwoven fabric mills	<1	15	24	71
Narrow fabric mills and schiffli machine embroidery	<1	151	170	513

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Nonwoven fabric mills	<1	31	52	181
Knit fabric mills	<1	34	42	96
Textile and fabric finishing mills	<1	58	72	216
Fabric coating mills	<1	212	260	963
Carpet and rug mills	<1	239	441	1,490
Curtain and linen mills	<1	12	16	55
Textile bag and canvas mills	<1	14	17	49
Rope, cordage, twine, tire cord and tire fabric mills	<1	32	46	115
Other textile product mills	<1	38	45	112
Hosiery and sock mills	<1	<1	<1	2
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	4	5	16
Mens and boys cut and sew apparel manufacturing	<1	3	3	16
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	3
Other cut and sew apparel manufacturing	<1	2	2	13
Apparel accessories and other apparel manufacturing	<1	2	2	13
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	4	4	10
Sawmills	<1	25	46	182
Wood preservation	<1	25	89	297
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	7	11	35
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	21	33	76
Cut stock, resawing lumber, and planing	<1	2	4	10
Other millwork, including flooring	<1	311	578	1,212
Wood container and pallet manufacturing	<1	80	124	325
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	3	11
All other miscellaneous wood product manufacturing	<1	45	78	184
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	<1	43	54	421
Paperboard container manufacturing	<1	266	313	2,355
Paper bag and coated and treated paper manufacturing	<1	337	375	1,884
Stationery product manufacturing	<1	31	36	189
Sanitary paper product manufacturing	<1	209	257	1,865
All other converted paper product manufacturing	<1	35	39	187
Printing	<1	3,374	5,015	10,094
Support activities for printing	<1	227	309	510
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	44	240	328
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	29	37	209
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	59	81	968
Plastics material and resin manufacturing	<1	389	512	5,951
Synthetic rubber manufacturing	<1	9	10	66
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	3
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	571	975	3,834
In-vitro diagnostic substance manufacturing	<1	3	4	9

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Biological product (except diagnostic) manufacturing	<1	7	9	22
Paint and coating manufacturing	<1	14	18	131
Adhesive manufacturing	<1	19	23	107
Soap and other detergent manufacturing	<1	390	723	4,838
Polish and other sanitation good manufacturing	<1	81	95	335
Surface active agent manufacturing	<1	59	110	623
Toilet preparation manufacturing	<1	13	22	126
Printing ink manufacturing	<1	<1	<1	4
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	190	234	933
Photographic film and chemical manufacturing	<1	146	208	1,278
Other miscellaneous chemical product manufacturing	<1	21	27	205
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	302	512	1,526
Unlaminated plastics profile shape manufacturing	<1	66	150	425
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	58	111	304
Polystyrene foam product manufacturing	<1	91	160	497
Urethane and other foam product (except polystyrene) manufacturing	<1	55	93	415
Plastics bottle manufacturing	<1	11	18	71
Other plastics product manufacturing	<1	330	500	1,556
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	14	22	59
Other rubber product manufacturing	<1	41	60	190
Pottery, ceramics, and plumbing fixture manufacturing	<1	8	10	29
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	13	19	73
Other pressed and blown glass and glassware manufacturing	<1	30	43	212
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	7	10	34
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	131	178	729
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	79	95	275
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	61	108	217
Cut stone and stone product manufacturing	<1	179	198	416
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	123	195	510
Miscellaneous nonmetallic mineral products manufacturing	<1	53	91	243
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	10	14	72
Rolled steel shape manufacturing	<1	17	27	167
Steel wire drawing	<1	8	9	53
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	<1	32	84	566
Copper rolling, drawing, extruding and alloying	<1	172	224	2,019
Nonferrous metal, except copper and aluminum, shaping	<1	67	74	347
Secondary processing of other nonferrous metals	<1	9	11	95
Ferrous metal foundries	<1	14	18	55
Nonferrous metal foundries	<1	37	46	165
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	164	159	508
Iron and steel forging	<1	22	20	113

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Nonferrous forging	<1	16	14	72
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	4	4	18
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	58	53	252
Plate work manufacturing	<1	8	8	30
Metal window and door manufacturing	<1	228	211	578
Sheet metal work manufacturing	<1	32	30	107
Ornamental and architectural metal work manufacturing	<1	29	27	81
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	42	41	157
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	21	21	95
Hardware manufacturing	<1	49	46	237
Spring and wire product manufacturing	<1	103	93	332
Machine shops	<1	185	180	442
Turned product and screw, nut, and bolt manufacturing	<1	141	131	520
Metal heat treating	<1	15	14	52
Metal coating and nonprecious engraving	<1	66	57	260
Electroplating, anodizing, and coloring metal	<1	175	175	494
Valve and fittings, other than plumbing, manufacturing	<1	51	48	166
Plumbing fixture fitting and trim manufacturing	<1	101	71	685
Ball and roller bearing manufacturing	<1	2	2	6
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	1
Other fabricated metal manufacturing	<1	230	219	775
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	2	6	15
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	1	2	5
Printing machinery and equipment manufacturing	<1	2	2	6
All other industrial machinery manufacturing	<1	8	13	33
Optical instrument and lens manufacturing	<1	2	4	8
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	12	27	69
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	13	28	57
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	130	338	708
Industrial mold manufacturing	<1	11	15	30
Special tool, die, jig, and fixture manufacturing	<1	8	13	25
Cutting tool and machine tool accessory manufacturing	<1	25	32	79
Machine tool manufacturing	<1	4	6	15
Rolling mill and other metalworking machinery manufacturing	<1	2	2	5
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	<1	<1	2	7
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	2	5	17
Power-driven handtool manufacturing	<1	<1	2	4
Welding and soldering equipment manufacturing	<1	<1	<1	1
Packaging machinery manufacturing	<1	<1	<1	2
Industrial process furnace and oven manufacturing	<1	1	2	5
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	4	6	17
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	8	12	26
Telephone apparatus manufacturing	<1	5	7	17
Broadcast and wireless communications equipment manufacturing	<1	2	3	8
Other communications equipment manufacturing	<1	5	8	22
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	4	6	25
Bare printed circuit board manufacturing	<1	4	5	13
Semiconductor and related device manufacturing	<1	9	13	35

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	11	15	37
Electronic connector manufacturing	<1	120	171	556
Other electronic component manufacturing	<1	1	2	5
Electromedical and electrotherapeutic apparatus manufacturing	<1	2	4	17
Search, detection, and navigation instruments manufacturing	<1	6	8	17
Automatic environmental control manufacturing	<1	12	15	32
Industrial process variable instruments manufacturing	<1	25	37	98
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	1	3
Irradiation apparatus manufacturing	<1	<1	<1	2
Watch, clock, and other measuring and controlling device manufacturing	<1	6	10	25
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	3	4	8
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	37	56	150
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	27	46	99
Switchgear and switchboard apparatus manufacturing	<1	11	20	36

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Relay and industrial control manufacturing	<1	8	11	20
Storage battery manufacturing	<1	32	46	110
Primary battery manufacturing	<1	436	2,177	2,393
Fiber optic cable manufacturing	<1	22	29	111
Other communication and energy wire manufacturing	<1	1	2	6
Wiring device manufacturing	<1	113	223	510
Carbon and graphite product manufacturing	<1	38	68	164
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	4
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	6	11	41
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	18	90
Motor vehicle electrical and electronic equipment manufacturing	<1	43	74	340
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	31	51	210
Other motor vehicle parts manufacturing	<1	2	4	21
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	140	356	1,279
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	156	278	517
Boat building	<1	333	655	1,755
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	107	112	288
Upholstered household furniture manufacturing	<1	7	8	28
Nonupholstered wood household furniture manufacturing	<1	11	12	37
Other household nonupholstered furniture manufacturing	<1	15	19	73
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	28	25	74
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	48	53	156
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	4	4	15
Surgical and medical instrument manufacturing	<1	178	374	653
Surgical appliance and supplies manufacturing	<1	58	136	278
Dental equipment and supplies manufacturing	<1	1	2	4
Ophthalmic goods manufacturing	<1	13	31	55
Dental laboratories	<1	7	8	14
Jewelry and silverware manufacturing	<1	221	369	757
Sporting and athletic goods manufacturing	<1	20	31	82
Doll, toy, and game manufacturing	<1	4	9	31
Office supplies (except paper) manufacturing	<1	2	3	13
Sign manufacturing	<1	216	211	470
Gasket, packing, and sealing device manufacturing	<1	32	43	88

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Musical instrument manufacturing	<1	4	4	9
Fasteners, buttons, needles, and pins manufacturing	<1	26	39	96
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	43	58	107
All other miscellaneous manufacturing	<1	55	79	159
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,301	3,087	7,375
Wholesale - Professional and commercial equipment and supplies	<1	5,356	8,660	15,251
Wholesale - Household appliances and electrical and electronic goods	<1	1,938	4,422	8,899
Wholesale - Machinery, equipment, and supplies	<1	2,221	4,285	7,318
Wholesale - Other durable goods merchant wholesalers	<1	6,176	10,698	19,130
Wholesale - Drugs and druggists' sundries	<1	3,157	8,263	15,061
Wholesale - Grocery and related product wholesalers	<1	5,247	6,974	12,460
Wholesale - Petroleum and petroleum products	<1	484	12,677	13,613
Wholesale - Other nondurable goods merchant wholesalers	<1	8,237	19,814	33,020
Wholesale - Wholesale electronic markets and agents and brokers	<1	5,918	6,146	6,910
Retail - Motor vehicle and parts dealers	<1	4,816	7,164	10,733
Retail - Furniture and home furnishings stores	<1	2,766	3,524	5,708
Retail - Electronics and appliance stores	<1	2,980	2,870	4,842
Retail - Building material and garden equipment and supplies stores	<1	3,572	6,006	8,926
Retail - Food and beverage stores	<1	10,291	13,082	21,183
Retail - Health and personal care stores	<1	6,505	7,735	11,213
Retail - Gasoline stores	<1	3,730	4,759	7,371
Retail - Clothing and clothing accessories stores	<1	3,713	5,540	11,674
Retail - Sporting goods, hobby, musical instrument and book stores	<1	2,005	2,595	4,140
Retail - General merchandise stores	<1	7,168	9,510	15,245

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Retail - Miscellaneous store retailers	<1	4,735	5,417	8,604
Retail - Nonstore retailers	<1	6,754	19,524	32,809
Air transportation	<1	1,161	6,341	9,864
Rail transportation	<1	1,225	110	2,349
Water transportation	<1	1,766	2,478	12,025
Truck transportation	<1	7,114	8,379	15,808
Transit and ground passenger transportation	<1	6,194	8,136	10,814
Pipeline transportation	<1	383	946	1,113
Scenic and sightseeing transportation and support activities for transportation	<1	11,792	12,779	27,268
Couriers and messengers	<1	4,131	5,525	9,843
Warehousing and storage	<1	2,564	2,893	5,980
Newspaper publishers	<1	1,543	2,638	3,363
Periodical publishers	<1	756	1,209	1,814
Book publishers	<1	80	244	430
Directory, mailing list, and other publishers	<1	69	200	348
Greeting card publishing	<1	12	35	41
Software publishers	<1	5,149	11,794	13,254
Motion picture and video industries	<1	3,110	5,357	10,278
Sound recording industries	<1	128	828	1,409
Radio and television broadcasting	<1	4,670	6,164	16,762
Cable and other subscription programming	<1	127	761	1,332
Wired telecommunications carriers	<1	5,266	13,183	22,204
Wireless telecommunications carriers (except satellite)	<1	746	6,395	13,487
Satellite, telecommunications resellers, and all other telecommunications	<1	1,599	2,498	5,970
Data processing, hosting, and related services	<1	4,217	7,682	19,568
News syndicates, libraries, archives and all other information services	<1	960	1,653	4,769
Internet publishing and broadcasting and web search portals	<1	2,043	4,340	13,333
Nondepository credit intermediation and related activities	<1	8,286	10,055	15,974
Securities and commodity contracts intermediation and brokerage	<1	33,624	29,444	41,153

Appendix

Monetary authorities and depository credit intermediation	<1	43,642	94,506	167,178
Other financial investment activities	<1	23,939	31,124	47,231
Direct life insurance carriers	<1	1,454	3,774	4,751
Insurance carriers, except direct life	<1	13,364	65,712	100,046
Insurance agencies, brokerages, and related activities	<1	10,174	20,920	39,038
Funds, trusts, and other financial vehicles	<1	2,406	3,327	15,446
Other real estate	2	49,553	165,526	435,772
Tenant-occupied housing	<1	1,316	40,700	43,154
Owner-occupied dwellings	0	0	154,455	196,074
Automotive equipment rental and leasing	<1	2,611	6,544	9,291
General and consumer goods rental except video tapes and discs	<1	1,864	2,367	3,880
Video tape and disc rental	<1	419	699	1,115
Commercial and industrial machinery and equipment rental and leasing	<1	2,730	6,243	8,644
Lessors of nonfinancial intangible assets	<1	424	9,726	11,324
Legal services	<1	60,499	92,114	135,231
Accounting, tax preparation, bookkeeping, and payroll services	<1	17,281	24,458	34,527
Architectural, engineering, and related services	<1	27,438	31,200	55,057
Specialized design services	<1	1,921	3,373	4,766
Custom computer programming services	<1	4,665	4,928	6,871
Computer systems design services	<1	14,886	13,410	17,709
Other computer related services, including facilities management	<1	2,740	3,650	7,019
Management consulting services	<1	43,713	45,993	70,702
Environmental and other technical consulting services	<1	7,061	7,548	11,041
Scientific research and development services	12	973,224	1,299,805	2,567,385
Advertising, public relations, and related services	<1	9,459	13,846	23,737
Photographic services	<1	437	1,260	2,087
Veterinary services	<1	2,044	2,675	3,861
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	9,268	18,779	31,564

Appendix

Management of companies and enterprises	<1	107,399	128,556	202,965
Office administrative services	<1	10,714	4,065	10,562
Facilities support services	<1	1,362	1,935	3,418
Employment services	1	52,918	75,597	108,276
Business support services	<1	7,253	6,050	9,488
Travel arrangement and reservation services	<1	3,683	4,658	10,729
Investigation and security services	<1	6,540	6,365	9,043
Services to buildings	<1	11,993	16,033	27,911
Landscape and horticultural services	<1	8,245	9,813	16,065
Other support services	<1	2,650	3,338	7,105
Waste management and remediation services	<1	4,553	8,264	14,660
Elementary and secondary schools	<1	9,737	8,605	9,830
Junior colleges, colleges, universities, and professional schools	<1	20,772	29,879	36,940
Other educational services	<1	4,157	4,909	8,486
Offices of physicians	<1	36,414	38,465	54,281
Offices of dentists	<1	6,847	8,684	12,425
Offices of other health practitioners	<1	6,060	8,915	11,885
Outpatient care centers	<1	9,929	9,173	17,070
Medical and diagnostic laboratories	<1	3,861	5,611	7,329
Home health care services	<1	10,116	9,760	12,628
Other ambulatory health care services	<1	2,822	3,183	5,195
Hospitals	<1	65,819	83,586	157,727
Nursing and community care facilities	<1	9,719	12,394	19,394
Residential mental retardation, mental health, substance abuse and other facilities	<1	5,083	6,074	9,237
Individual and family services	<1	11,324	10,030	14,478
Child day care services	<1	4,472	6,771	8,694
Community food, housing, and other relief services, including rehabilitation services	<1	4,612	4,636	9,954
Performing arts companies	<1	2,569	3,683	6,492
Commercial Sports Except Racing	<1	3,814	4,100	6,237
Racing and Track Operation	<1	394	590	798
Independent artists, writers, and performers	<1	1,421	4,236	6,338

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Promoters of performing arts and sports and agents for public figures	<1	1,477	2,657	5,268
Museums, historical sites, zoos, and parks	<1	1,112	1,505	2,476
Amusement parks and arcades	<1	184	453	552
Gambling industries (except casino hotels)	<1	1,642	4,943	7,121
Other amusement and recreation industries	<1	2,615	3,079	5,288
Fitness and recreational sports centers	<1	1,456	2,228	3,799
Bowling centers	<1	269	486	797
Hotels and motels, including casino hotels	<1	1,357	2,882	4,115
Other accommodations	<1	543	793	1,024
Full-service restaurants	<1	22,487	35,287	56,669
Limited-service restaurants	<1	10,364	17,633	34,545
All other food and drinking places	<1	15,572	23,409	34,356
Automotive repair and maintenance, except car washes	<1	15,168	12,979	20,480
Car washes	<1	5,318	7,763	11,833
Electronic and precision equipment repair and maintenance	<1	3,917	4,175	6,904
Commercial and industrial machinery and equipment repair and maintenance	<1	2,819	2,861	3,932
Personal and household goods repair and maintenance	<1	1,876	3,068	4,418
Personal care services	<1	6,050	4,703	6,359
Death care services	<1	2,155	858	1,392
Dry-cleaning and laundry services	<1	5,014	1,807	2,835
Other personal services	<1	4,444	5,142	7,278
Religious organizations	<1	9,592	2,501	13,077
Grantmaking, giving, and social advocacy organizations	<1	5,292	13,040	22,388
Business and professional associations	<1	2,640	3,838	7,079
Labor and civic organizations	<1	3,868	8,625	17,185
Private households	<1	1,223	1,223	1,223
Postal service	<1	6,616	6,619	7,043
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	158	237	929
State government passenger transit	<1	24,908	4,130	51,129
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	357	349	636
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	3,140	5,099	10,160
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 744: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Rhode Island

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>19</i>	<i>1,188,349</i>	<i>1,836,173</i>	<i>3,479,762</i>
Oilseed farming	0	0	0	0
Grain farming	<1	9	6	21
Vegetable and melon farming	<1	123	150	210
Fruit farming	<1	43	50	61
Tree nut farming	<1	<1	1	1
Greenhouse, nursery, and floriculture production	<1	129	147	190
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	16	17	23
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	27	48	76

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Dairy cattle and milk production	<1	6	10	28
Poultry and egg production	<1	19	40	191
Animal production, except cattle and poultry and eggs	<1	1,321	1,096	1,488
Forestry, forest products, and timber tract production	<1	62	71	86
Commercial logging	<1	36	42	57
Commercial fishing	<1	467	384	477
Commercial hunting and trapping	0	0	0	0
Support activities for agriculture and forestry	<1	125	124	300
Oil and gas extraction	<1	336	398	2,595
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	82	253	432
Sand and gravel mining	<1	163	329	612
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	1
Metal mining services	<1	1	1	10
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	176	658	1,070
Electric power generation - Fossil fuel	<1	637	3,806	9,149
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	608	6,899	10,675
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	72	68	158
Electric power transmission and distribution	<1	2,544	13,108	29,654
Natural gas distribution	<1	1,319	5,113	10,455
Water, sewage and other systems	<1	254	677	1,228
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,415	7,898	17,843
Maintenance and repair construction of residential structures	<1	1,475	2,094	4,740
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2	3	7
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	91	211	1,174
Flour milling	<1	4	6	98
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	11	16	148
Beet sugar manufacturing	0	0	0	0

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Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	14
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	7	8	86
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	26	30	143
Canned fruits and vegetables manufacturing	<1	6	8	68
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	6	7	100
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	38	45	464
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	10	12	118
Frozen cakes and other pastries manufacturing	<1	69	88	168
Poultry processing	<1	11	12	62
Animal, except poultry, slaughtering	<1	21	26	158
Meat processed from carcasses	<1	430	399	3,104
Rendering and meat byproduct processing	<1	4	6	22
Seafood product preparation and packaging	<1	78	82	419
Bread and bakery product, except frozen, manufacturing	<1	260	308	871
Cookie and cracker manufacturing	<1	5	5	34
Dry pasta, mixes, and dough manufacturing	<1	2	3	23
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	23	29	132
Other snack food manufacturing	<1	53	78	373
Coffee and tea manufacturing	<1	29	36	224
Flavoring syrup and concentrate manufacturing	<1	2	5	32
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	5	6	49
All other food manufacturing	<1	31	37	253

Appendix

Bottled and canned soft drinks & water	<1	130	161	1,046
Manufactured ice	<1	12	3	33
Breweries	<1	48	87	359
Wineries	<1	28	36	152
Distilleries	<1	10	38	99
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	51	68	280
Broadwoven fabric mills	<1	12	17	57
Narrow fabric mills and schiffli machine embroidery	<1	62	69	220
Nonwoven fabric mills	<1	13	21	84
Knit fabric mills	<1	10	12	27
Textile and fabric finishing mills	<1	14	17	55
Fabric coating mills	<1	64	83	336
Carpet and rug mills	<1	129	192	848
Curtain and linen mills	<1	6	7	28
Textile bag and canvas mills	<1	8	9	28
Rope, cordage, twine, tire cord and tire fabric mills	<1	39	53	145
Other textile product mills	<1	19	23	62
Hosiery and sock mills	<1	<1	<1	1
Other apparel knitting mills	<1	<1	<1	1
Cut and sew apparel contractors	<1	1	2	7
Mens and boys cut and sew apparel manufacturing	<1	1	1	7
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	5
Apparel accessories and other apparel manufacturing	<1	<1	<1	6
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	4
Sawmills	<1	19	35	138
Wood preservation	<1	22	78	249
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	4	7	23
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	17	26	62

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Cut stock, resawing lumber, and planing	<1	1	3	7
Other millwork, including flooring	<1	201	373	827
Wood container and pallet manufacturing	<1	51	79	213
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	2	3	8
All other miscellaneous wood product manufacturing	<1	25	42	111
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	<1	57	76	553
Paperboard container manufacturing	<1	139	167	1,279
Paper bag and coated and treated paper manufacturing	<1	198	238	1,214
Stationery product manufacturing	<1	17	20	110
Sanitary paper product manufacturing	<1	157	210	1,398
All other converted paper product manufacturing	<1	28	32	144
Printing	<1	1,556	2,181	4,958
Support activities for printing	<1	82	110	188
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	30	158	229
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	<1	17	20	105
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	64	87	918
Plastics material and resin manufacturing	<1	383	480	5,038
Synthetic rubber manufacturing	<1	7	9	50
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	2
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	0	0	0	0
Pharmaceutical preparation manufacturing	<1	209	332	1,426
In-vitro diagnostic substance manufacturing	<1	<1	<1	2
Biological product (except diagnostic) manufacturing	<1	2	2	6
Paint and coating manufacturing	<1	7	9	64
Adhesive manufacturing	<1	8	8	43
Soap and other detergent manufacturing	<1	165	270	2,366
Polish and other sanitation good manufacturing	<1	34	38	148
Surface active agent manufacturing	<1	36	57	368
Toilet preparation manufacturing	<1	6	8	51
Printing ink manufacturing	<1	<1	<1	1
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	92	104	452
Photographic film and chemical manufacturing	<1	86	118	759
Other miscellaneous chemical product manufacturing	<1	14	17	124
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	153	264	808
Unlaminated plastics profile shape manufacturing	<1	34	79	235
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	37	73	194
Polystyrene foam product manufacturing	<1	65	115	358
Urethane and other foam product (except polystyrene) manufacturing	<1	34	58	262
Plastics bottle manufacturing	<1	5	8	33
Other plastics product manufacturing	<1	179	270	892

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	10	16	43
Other rubber product manufacturing	<1	22	32	96
Pottery, ceramics, and plumbing fixture manufacturing	<1	4	6	16
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	<1	8	12	45
Other pressed and blown glass and glassware manufacturing	<1	17	26	126
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	5	6	22
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	88	125	502
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	59	73	205
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	32	64	124
Cut stone and stone product manufacturing	<1	125	138	292
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	<1	57	95	251
Miscellaneous nonmetallic mineral products manufacturing	<1	28	56	149
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	7	35
Rolled steel shape manufacturing	<1	13	23	116
Steel wire drawing	<1	4	5	26
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	45	147	846
Copper rolling, drawing, extruding and alloying	<1	113	155	1,473
Nonferrous metal, except copper and aluminum, shaping	<1	29	34	146
Secondary processing of other nonferrous metals	<1	4	6	43
Ferrous metal foundries	<1	8	11	32
Nonferrous metal foundries	<1	15	19	68
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	66	64	214
Iron and steel forging	<1	7	6	37
Nonferrous forging	<1	4	4	21
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	1	1	6
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	38	37	175
Plate work manufacturing	<1	6	7	24
Metal window and door manufacturing	<1	112	106	297
Sheet metal work manufacturing	<1	18	17	63
Ornamental and architectural metal work manufacturing	<1	17	16	50
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	17	17	66
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	11	11	51
Hardware manufacturing	<1	23	22	118
Spring and wire product manufacturing	<1	24	23	79
Machine shops	<1	84	83	209
Turned product and screw, nut, and bolt manufacturing	<1	52	50	204
Metal heat treating	<1	7	7	24
Metal coating and nonprecious engraving	<1	34	30	137
Electroplating, anodizing, and coloring metal	<1	75	76	215
Valve and fittings, other than plumbing, manufacturing	<1	28	26	92

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Plumbing fixture fitting and trim manufacturing	<1	45	32	317
Ball and roller bearing manufacturing	<1	<1	<1	2
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	0	0	0	0
Fabricated pipe and pipe fitting manufacturing	<1	<1	<1	<1
Other fabricated metal manufacturing	<1	114	109	398
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	2	6	17
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	1	3
Printing machinery and equipment manufacturing	<1	<1	<1	2
All other industrial machinery manufacturing	<1	4	6	16
Optical instrument and lens manufacturing	<1	2	3	8
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	6	13	33
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	6	13	30
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	77	187	431
Industrial mold manufacturing	<1	5	6	14
Special tool, die, jig, and fixture manufacturing	<1	3	4	8

Appendix

Cutting tool and machine tool accessory manufacturing	<1	10	13	34
Machine tool manufacturing	<1	1	2	5
Rolling mill and other metalworking machinery manufacturing	<1	<1	1	3
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	3
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	<1	2	4	13
Power-driven handtool manufacturing	<1	<1	<1	1
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	<1	<1
Industrial process furnace and oven manufacturing	<1	<1	<1	2
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	7
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	3	5	11
Telephone apparatus manufacturing	<1	7	10	24

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Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	3	4	10
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	<1	1	2	7
Bare printed circuit board manufacturing	<1	2	2	5
Semiconductor and related device manufacturing	<1	2	3	9
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	3	5	12
Electronic connector manufacturing	<1	37	54	177
Other electronic component manufacturing	<1	<1	<1	1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	6
Search, detection, and navigation instruments manufacturing	<1	1	2	4
Automatic environmental control manufacturing	<1	3	4	8
Industrial process variable instruments manufacturing	<1	10	15	41
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	2	3	6
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1	2	4
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	8	13	35
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	<1	19	31	68
Switchgear and switchboard apparatus manufacturing	<1	6	9	19
Relay and industrial control manufacturing	<1	3	4	8
Storage battery manufacturing	<1	13	19	47
Primary battery manufacturing	<1	211	568	1,141
Fiber optic cable manufacturing	<1	7	9	40
Other communication and energy wire manufacturing	<1	<1	<1	3
Wiring device manufacturing	<1	31	58	146
Carbon and graphite product manufacturing	<1	21	36	87
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	2
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	5	9	34
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	4	11	51
Motor vehicle electrical and electronic equipment manufacturing	<1	31	60	309
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	31	53	232
Other motor vehicle parts manufacturing	<1	2	3	15

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	77	208	766
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	0	0	0	0
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	<1	93	166	311
Boat building	<1	285	556	1,532
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	70	82	207
Upholstered household furniture manufacturing	<1	3	3	11
Nonupholstered wood household furniture manufacturing	<1	6	6	21
Other household nonupholstered furniture manufacturing	<1	7	9	36
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	15	13	41
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	27	33	96
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	3	3	9
Surgical and medical instrument manufacturing	<1	84	169	327
Surgical appliance and supplies manufacturing	<1	23	52	116
Dental equipment and supplies manufacturing	<1	<1	<1	2

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Ophthalmic goods manufacturing	<1	6	14	27
Dental laboratories	<1	3	3	6
Jewelry and silverware manufacturing	<1	136	221	465
Sporting and athletic goods manufacturing	<1	10	16	47
Doll, toy, and game manufacturing	<1	2	4	14
Office supplies (except paper) manufacturing	<1	<1	1	7
Sign manufacturing	<1	180	167	385
Gasket, packing, and sealing device manufacturing	<1	22	29	62
Musical instrument manufacturing	<1	1	1	2
Fasteners, buttons, needles, and pins manufacturing	<1	11	16	40
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	50	65	136
All other miscellaneous manufacturing	<1	29	41	89
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	719	1,720	4,091
Wholesale - Professional and commercial equipment and supplies	<1	2,705	4,397	7,862
Wholesale - Household appliances and electrical and electronic goods	<1	1,023	2,413	4,893
Wholesale - Machinery, equipment, and supplies	<1	1,360	2,683	4,570
Wholesale - Other durable goods merchant wholesalers	<1	3,479	6,060	10,909
Wholesale - Drugs and druggists' sundries	<1	1,737	4,689	8,710
Wholesale - Grocery and related product wholesalers	<1	3,131	4,205	7,579
Wholesale - Petroleum and petroleum products	<1	412	7,476	8,288
Wholesale - Other nondurable goods merchant wholesalers	<1	4,583	10,499	18,140
Wholesale - Wholesale electronic markets and agents and brokers	<1	3,629	3,769	4,260
Retail - Motor vehicle and parts dealers	<1	2,971	4,416	6,685
Retail - Furniture and home furnishings stores	<1	1,611	2,052	3,395
Retail - Electronics and appliance stores	<1	1,783	1,678	2,918

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Retail - Building material and garden equipment and supplies stores	<1	2,090	3,523	5,284
Retail - Food and beverage stores	<1	5,516	7,103	11,803
Retail - Health and personal care stores	<1	3,937	4,660	6,799
Retail - Gasoline stores	<1	2,126	2,893	4,760
Retail - Clothing and clothing accessories stores	<1	2,089	3,179	6,992
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,176	1,525	2,505
Retail - General merchandise stores	<1	4,615	6,072	9,786
Retail - Miscellaneous store retailers	<1	2,630	3,042	5,063
Retail - Nonstore retailers	<1	3,829	10,435	18,176
Air transportation	<1	657	3,363	5,431
Rail transportation	<1	762	82	1,618
Water transportation	<1	862	1,196	6,157
Truck transportation	<1	4,191	5,046	9,760
Transit and ground passenger transportation	<1	2,256	2,899	4,213
Pipeline transportation	<1	480	891	1,045
Scenic and sightseeing transportation and support activities for transportation	<1	7,348	7,928	16,699
Couriers and messengers	<1	2,279	3,025	5,472
Warehousing and storage	<1	1,500	1,691	3,568
Newspaper publishers	<1	977	1,644	2,144
Periodical publishers	<1	318	499	810
Book publishers	<1	47	143	258
Directory, mailing list, and other publishers	<1	52	141	248
Greeting card publishing	<1	5	13	17
Software publishers	<1	2,744	6,123	6,957
Motion picture and video industries	<1	1,325	2,225	5,280
Sound recording industries	<1	56	330	632
Radio and television broadcasting	<1	1,740	2,504	9,883
Cable and other subscription programming	<1	27	257	578
Wired telecommunications carriers	<1	3,016	7,829	13,571
Wireless telecommunications carriers (except satellite)	<1	419	3,413	7,563

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Satellite, telecommunications resellers, and all other telecommunications	<1	791	1,307	3,407
Data processing, hosting, and related services	<1	1,989	3,662	11,176
News syndicates, libraries, archives and all other information services	<1	422	699	2,238
Internet publishing and broadcasting and web search portals	<1	675	1,459	7,085
Nondepository credit intermediation and related activities	<1	4,322	5,132	8,739
Securities and commodity contracts intermediation and brokerage	<1	16,857	15,346	25,653
Monetary authorities and depository credit intermediation	<1	29,509	59,473	111,034
Other financial investment activities	<1	9,322	12,612	23,435
Direct life insurance carriers	<1	977	2,395	3,214
Insurance carriers, except direct life	<1	8,092	36,547	60,881
Insurance agencies, brokerages, and related activities	<1	6,445	12,924	25,248
Funds, trusts, and other financial vehicles	<1	1,216	1,622	9,019
Other real estate	1	24,601	85,353	251,221
Tenant-occupied housing	<1	701	19,881	21,849
Owner-occupied dwellings	0	0	78,492	99,643
Automotive equipment rental and leasing	<1	1,006	3,373	5,115
General and consumer goods rental except video tapes and discs	<1	940	1,321	2,328
Video tape and disc rental	<1	243	415	666
Commercial and industrial machinery and equipment rental and leasing	<1	1,279	3,621	5,189
Lessors of nonfinancial intangible assets	<1	252	5,238	6,127
Legal services	<1	37,848	56,190	84,505
Accounting, tax preparation, bookkeeping, and payroll services	<1	9,674	12,998	19,221
Architectural, engineering, and related services	<1	16,536	18,202	33,069
Specialized design services	<1	973	1,568	2,400
Custom computer programming services	<1	2,544	2,727	3,965

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Computer systems design services	<1	8,443	7,542	10,209
Other computer related services, including facilities management	<1	1,246	1,668	3,354
Management consulting services	<1	22,228	23,230	37,308
Environmental and other technical consulting services	<1	3,711	3,920	5,872
Scientific research and development services	7	530,629	734,403	1,496,266
Advertising, public relations, and related services	<1	5,121	7,214	13,395
Photographic services	<1	270	683	1,251
Veterinary services	<1	1,166	1,457	2,189
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	5,501	10,493	19,320
Management of companies and enterprises	<1	58,397	69,508	114,217
Office administrative services	<1	4,569	1,621	4,724
Facilities support services	<1	773	1,107	2,161
Employment services	<1	31,208	43,525	67,037
Business support services	<1	4,866	3,967	6,712
Travel arrangement and reservation services	<1	2,135	2,694	6,377
Investigation and security services	<1	3,697	3,568	5,365
Services to buildings	<1	6,769	8,888	16,626
Landscape and horticultural services	<1	4,572	5,397	9,227
Other support services	<1	1,464	1,832	4,131
Waste management and remediation services	<1	2,690	4,883	8,854
Elementary and secondary schools	<1	4,145	3,695	4,304
Junior colleges, colleges, universities, and professional schools	<1	22,451	32,441	41,864
Other educational services	<1	2,006	2,350	4,238
Offices of physicians	<1	21,348	22,369	31,721
Offices of dentists	<1	3,865	4,773	6,943
Offices of other health practitioners	<1	3,604	5,091	6,872
Outpatient care centers	<1	5,249	4,796	8,888
Medical and diagnostic laboratories	<1	2,145	2,999	4,044
Home health care services	<1	5,987	5,730	7,442
Other ambulatory health care services	<1	1,585	1,761	2,917

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Hospitals	<1	31,080	39,843	76,397
Nursing and community care facilities	<1	5,117	6,515	10,603
Residential mental retardation, mental health, substance abuse and other facilities	<1	2,278	2,715	4,250
Individual and family services	<1	5,379	4,649	6,880
Child day care services	<1	2,313	3,347	4,481
Community food, housing, and other relief services, including rehabilitation services	<1	2,021	2,018	4,519
Performing arts companies	<1	1,096	1,631	3,226
Commercial Sports Except Racing	<1	1,940	2,236	3,492
Racing and Track Operation	<1	189	295	465
Independent artists, writers, and performers	<1	577	2,025	3,132
Promoters of performing arts and sports and agents for public figures	<1	660	1,263	2,752
Museums, historical sites, zoos, and parks	<1	568	774	1,321
Amusement parks and arcades	<1	84	247	306
Gambling industries (except casino hotels)	<1	807	2,438	3,660
Other amusement and recreation industries	<1	1,412	1,736	3,125
Fitness and recreational sports centers	<1	691	1,121	1,997
Bowling centers	<1	147	277	471
Hotels and motels, including casino hotels	<1	585	1,288	1,884
Other accommodations	<1	204	302	399
Full-service restaurants	<1	12,816	19,653	32,928
Limited-service restaurants	<1	5,786	9,658	20,065
All other food and drinking places	<1	8,165	12,254	18,674
Automotive repair and maintenance, except car washes	<1	7,949	7,321	11,580
Car washes	<1	2,900	4,277	6,599
Electronic and precision equipment repair and maintenance	<1	2,187	2,293	3,969
Commercial and industrial machinery and equipment repair and maintenance	<1	1,719	1,775	2,531
Personal and household goods repair and maintenance	<1	1,014	1,766	2,574
Personal care services	<1	3,049	2,521	3,408
Death care services	<1	982	507	777

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Dry-cleaning and laundry services	<1	2,464	1,160	1,714
Other personal services	<1	2,375	2,805	4,043
Religious organizations	<1	4,609	1,577	6,891
Grantmaking, giving, and social advocacy organizations	<1	2,133	5,893	10,041
Business and professional associations	<1	1,356	2,137	4,008
Labor and civic organizations	<1	1,685	4,172	8,072
Private households	<1	617	617	617
Postal service	<1	3,801	3,802	4,053
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	91	108	483
State government passenger transit	<1	973	133	3,762
State government electric utilities	0	0	0	0
Other state government enterprises	<1	570	592	1,188
Local government passenger transit	0	0	0	0
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	1,887	3,467	6,914
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

South Carolina

NASA

Table 745: Detailed NASA Impacts by Types of Impact, South Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	250	15,386,181	21,970,967	42,277,132
Oilseed farming	<1	-118	2,616	5,074
Grain farming	<1	300	-149	18,408
Vegetable and melon farming	<1	624	3,621	10,248
Fruit farming	<1	956	7,313	14,543
Tree nut farming	<1	53	383	742
Greenhouse, nursery, and floriculture production	<1	904	2,212	6,829
Tobacco farming	<1	234	450	1,304
Cotton farming	<1	197	440	1,443
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	988	2,228	8,461
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-13	1,264	6,687
Dairy cattle and milk production	<1	35	371	3,392
Poultry and egg production	<1	493	1,362	22,491
Animal production, except cattle and poultry and eggs	<1	153	5,744	10,847
Forestry, forest products, and timber tract production	<1	548	543	716
Commercial logging	<1	2,751	2,574	4,413
Commercial fishing	<1	159	1,240	1,707
Commercial hunting and trapping	<1	181	1,749	2,187
Support activities for agriculture and forestry	<1	17,902	17,364	21,471
Oil and gas extraction	<1	7	4	30,436
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	2,018	3,757	6,377
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	2,215	6,936	11,287
Sand and gravel mining	<1	879	1,852	3,408

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	108	235	426
Other nonmetallic minerals	<1	283	549	1,163
Drilling oil and gas wells	<1	<1	<1	1
Support activities for oil and gas operations	<1	9	9	36
Metal mining services	<1	<1	<1	298
Other nonmetallic minerals services	<1	3	2	54
Electric power generation - Hydroelectric	<1	731	2,588	5,442
Electric power generation - Fossil fuel	<1	10,540	47,085	124,312
Electric power generation - Nuclear	<1	17,613	42,354	88,440
Electric power generation - Solar	<1	381	1,674	3,945
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	114	90	333
Electric power transmission and distribution	<1	20,546	86,199	231,099
Natural gas distribution	<1	3,913	12,496	28,647
Water, sewage and other systems	<1	4,255	9,599	18,529
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	60,877	75,387	158,545
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	45,941	85,687	181,954
Maintenance and repair construction of residential structures	<1	17,168	30,296	65,568
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	26	49	104
Dog and cat food manufacturing	<1	1,453	4,577	15,704
Other animal food manufacturing	<1	1,226	2,330	15,060
Flour milling	<1	930	1,766	9,761
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	761	1,748	8,790
Soybean and other oilseed processing	<1	5	30	365
Fats and oils refining and blending	<1	11	22	248
Breakfast cereal manufacturing	<1	495	1,210	4,243
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	170	261	970
Chocolate and confectionery manufacturing from cacao beans	<1	17	26	123
Confectionery manufacturing from purchased chocolate	<1	16	23	193
Frozen fruits, juices and vegetables manufacturing	<1	2,121	4,350	17,050
Frozen specialties manufacturing	<1	3,726	5,280	21,086
Canned fruits and vegetables manufacturing	<1	119	243	1,368
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	29	47	665
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,643	2,642	13,812
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	5
Frozen cakes and other pastries manufacturing	<1	1,712	2,507	4,746

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Poultry processing	<1	12,244	15,489	62,346
Animal, except poultry, slaughtering	<1	3,993	5,080	31,244
Meat processed from carcasses	<1	4,137	4,189	29,502
Rendering and meat byproduct processing	<1	145	154	631
Seafood product preparation and packaging	<1	70	88	369
Bread and bakery product, except frozen, manufacturing	<1	5,379	7,627	18,105
Cookie and cracker manufacturing	<1	297	432	1,460
Dry pasta, mixes, and dough manufacturing	<1	696	1,508	4,836
Tortilla manufacturing	<1	50	62	178
Roasted nuts and peanut butter manufacturing	<1	358	483	2,336
Other snack food manufacturing	<1	401	628	2,898
Coffee and tea manufacturing	<1	678	1,253	5,152
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	276	538	2,233
Spice and extract manufacturing	<1	599	976	3,859
All other food manufacturing	<1	1,280	1,887	8,185
Bottled and canned soft drinks & water	<1	2,823	5,159	23,169
Manufactured ice	<1	234	160	618
Breweries	<1	946	2,907	8,434
Wineries	<1	247	461	1,577
Distilleries	<1	400	3,158	5,934
Tobacco product manufacturing	<1	280	13,770	21,302
Fiber, yarn, and thread mills	<1	3,014	4,350	18,716
Broadwoven fabric mills	<1	4,800	7,187	25,196
Narrow fabric mills and schiffli machine embroidery	<1	600	656	2,079
Nonwoven fabric mills	<1	4,090	6,423	22,530
Knit fabric mills	<1	251	306	864
Textile and fabric finishing mills	<1	1,027	1,273	4,839
Fabric coating mills	<1	440	557	2,988
Carpet and rug mills	<1	2,630	3,979	14,414
Curtain and linen mills	<1	314	382	1,248
Textile bag and canvas mills	<1	290	334	1,017
Rope, cordage, twine, tire cord and tire fabric mills	<1	75	101	274
Other textile product mills	<1	1,290	1,490	3,953
Hosiery and sock mills	<1	20	45	92

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Other apparel knitting mills	<1	27	53	111
Cut and sew apparel contractors	<1	264	355	700
Mens and boys cut and sew apparel manufacturing	<1	45	108	218
Womens and girls cut and sew apparel manufacturing	<1	43	180	421
Other cut and sew apparel manufacturing	<1	109	403	827
Apparel accessories and other apparel manufacturing	<1	73	259	448
Leather and hide tanning and finishing	<1	<1	4	13
Footwear manufacturing	<1	9	14	29
Other leather and allied product manufacturing	<1	39	53	112
Sawmills	<1	2,720	4,260	13,238
Wood preservation	<1	447	1,216	4,098
Veneer and plywood manufacturing	<1	1,162	1,819	5,367
Engineered wood member and truss manufacturing	<1	689	1,037	2,737
Reconstituted wood product manufacturing	<1	1,112	2,632	7,739
Wood windows and door manufacturing	<1	2,774	3,839	9,681
Cut stock, resawing lumber, and planing	<1	188	334	1,050
Other millwork, including flooring	<1	1,194	1,910	5,410
Wood container and pallet manufacturing	<1	1,150	1,575	4,882
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	438	602	1,676
All other miscellaneous wood product manufacturing	<1	897	1,321	3,556
Pulp mills	<1	737	1,187	4,302
Paper mills	<1	4,210	9,565	28,547
Paperboard mills	<1	4,308	10,744	38,675
Paperboard container manufacturing	<1	6,873	10,908	38,801
Paper bag and coated and treated paper manufacturing	<1	4,898	9,304	24,370
Stationery product manufacturing	<1	429	663	1,850
Sanitary paper product manufacturing	<1	4,292	13,505	38,465
All other converted paper product manufacturing	<1	2,660	4,014	10,886

Appendix

Printing	<1	21,157	31,107	68,102
Support activities for printing	<1	605	837	1,263
Petroleum refineries	<1	346	3,705	10,211
Asphalt paving mixture and block manufacturing	<1	541	1,039	4,372
Asphalt shingle and coating materials manufacturing	<1	35	175	291
Petroleum lubricating oil and grease manufacturing	<1	997	5,107	10,953
All other petroleum and coal products manufacturing	<1	313	1,837	3,929
Petrochemical manufacturing	<1	1,201	6,412	41,480
Industrial gas manufacturing	<1	1,720	2,795	9,723
Synthetic dye and pigment manufacturing	<1	584	905	3,531
Other basic inorganic chemical manufacturing	<1	2,020	3,444	13,860
Other basic organic chemical manufacturing	<1	4,734	7,519	45,939
Plastics material and resin manufacturing	<1	3,144	4,500	36,501
Synthetic rubber manufacturing	<1	81	112	791
Artificial and synthetic fibers and filaments manufacturing	<1	7,546	10,090	57,450
Nitrogenous fertilizer manufacturing	<1	388	710	2,722
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	90	143	601
Pesticide and other agricultural chemical manufacturing	<1	249	540	2,505
Medicinal and botanical manufacturing	<1	75	97	309
Pharmaceutical preparation manufacturing	<1	4,696	11,947	56,938
In-vitro diagnostic substance manufacturing	<1	4	4	12
Biological product (except diagnostic) manufacturing	<1	74	118	357
Paint and coating manufacturing	<1	875	1,346	6,367
Adhesive manufacturing	<1	459	618	3,198
Soap and other detergent manufacturing	<1	1,735	3,974	20,253
Polish and other sanitation good manufacturing	<1	1,658	2,184	8,643
Surface active agent manufacturing	<1	1,766	4,136	15,261
Toilet preparation manufacturing	<1	60	135	548
Printing ink manufacturing	<1	429	459	1,900

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	331	484	1,760
Photographic film and chemical manufacturing	<1	4,640	7,963	33,100
Other miscellaneous chemical product manufacturing	<1	1,750	2,427	10,867
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,025	5,239	18,332
Unlaminated plastics profile shape manufacturing	<1	1,203	2,726	7,057
Plastics pipe and pipe fitting manufacturing	<1	647	1,822	4,986
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	259	507	1,682
Polystyrene foam product manufacturing	<1	549	994	3,802
Urethane and other foam product (except polystyrene) manufacturing	<1	586	998	3,658
Plastics bottle manufacturing	<1	201	342	1,483
Other plastics product manufacturing	<1	8,537	12,978	40,486
Tire manufacturing	<1	9,076	14,480	54,316
Rubber and plastics hoses and belting manufacturing	<1	871	1,353	4,073
Other rubber product manufacturing	<1	1,198	1,783	6,240
Pottery, ceramics, and plumbing fixture manufacturing	<1	386	626	1,171
Brick, tile, and other structural clay product manufacturing	<1	711	1,462	3,110
Flat glass manufacturing	<1	118	298	585
Other pressed and blown glass and glassware manufacturing	<1	2,047	4,234	8,754
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	348	702	1,464
Cement manufacturing	<1	910	2,736	6,170
Ready-mix concrete manufacturing	<1	3,676	7,382	21,137
Concrete block and brick manufacturing	<1	842	1,848	4,378
Concrete pipe manufacturing	<1	340	673	1,619
Other concrete product manufacturing	<1	2,347	3,698	7,755
Lime manufacturing	<1	49	146	319
Gypsum product manufacturing	<1	95	322	709

Appendix

Abrasive product manufacturing	<1	291	997	1,510
Cut stone and stone product manufacturing	<1	369	477	1,161
Ground or treated mineral and earth manufacturing	<1	96	328	657
Mineral wool manufacturing	<1	117	337	619
Miscellaneous nonmetallic mineral products manufacturing	<1	259	925	1,695
Iron and steel mills and ferroalloy manufacturing	<1	4,159	8,510	39,755
Iron, steel pipe and tube manufacturing from purchased steel	<1	43	81	330
Rolled steel shape manufacturing	<1	465	1,126	4,946
Steel wire drawing	<1	338	549	2,704
Alumina refining and primary aluminum production	<1	78	129	690
Secondary smelting and alloying of aluminum	<1	86	165	1,076
Aluminum sheet, plate, and foil manufacturing	<1	625	1,378	4,708
Other aluminum rolling, drawing and extruding	<1	123	188	795
Nonferrous metal (exc aluminum) smelting and refining	<1	34	176	537
Copper rolling, drawing, extruding and alloying	<1	582	965	6,789
Nonferrous metal, except copper and aluminum, shaping	<1	329	423	1,578
Secondary processing of other nonferrous metals	<1	6	12	63
Ferrous metal foundries	<1	70	115	385
Nonferrous metal foundries	<1	508	783	2,174
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	423	558	1,649
Iron and steel forging	<1	450	784	2,699
Nonferrous forging	<1	13	20	75
Cutlery, utensil, pot, and pan manufacturing	<1	113	327	847
Handtool manufacturing	<1	870	1,509	3,129
Prefabricated metal buildings and components manufacturing	<1	836	1,235	3,229
Fabricated structural metal manufacturing	<1	1,738	2,712	8,022
Plate work manufacturing	<1	659	743	2,167
Metal window and door manufacturing	<1	225	323	911
Sheet metal work manufacturing	<1	673	937	2,648

Appendix

Ornamental and architectural metal work manufacturing	<1	341	465	1,348
Power boiler and heat exchanger manufacturing	<1	14	21	55
Metal tank (heavy gauge) manufacturing	<1	126	167	485
Metal cans manufacturing	<1	153	374	1,508
Metal barrels, drums and pails manufacturing	<1	67	86	310
Hardware manufacturing	<1	451	751	2,170
Spring and wire product manufacturing	<1	575	828	2,373
Machine shops	<1	3,017	3,838	8,329
Turned product and screw, nut, and bolt manufacturing	<1	376	584	1,529
Metal heat treating	<1	361	550	1,188
Metal coating and nonprecious engraving	<1	636	1,198	2,746
Electroplating, anodizing, and coloring metal	<1	691	811	1,827
Valve and fittings, other than plumbing, manufacturing	<1	570	971	2,903
Plumbing fixture fitting and trim manufacturing	<1	438	1,340	4,106
Ball and roller bearing manufacturing	<1	2,432	4,708	11,544
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	10	12	25
Small arms, ordnance, and accessories manufacturing	<1	30,451	60,810	128,004
Fabricated pipe and pipe fitting manufacturing	<1	191	249	672
Other fabricated metal manufacturing	<1	1,615	2,246	6,435
Farm machinery and equipment manufacturing	<1	9	19	99
Lawn and garden equipment manufacturing	<1	293	621	3,387
Construction machinery manufacturing	<1	165	450	1,313
Mining machinery and equipment manufacturing	<1	11	20	57
Oil and gas field machinery and equipment manufacturing	<1	1	3	8
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	2

Appendix

Sawmill, woodworking, and paper machinery	<1	29	34	101
Printing machinery and equipment manufacturing	<1	2	3	6
All other industrial machinery manufacturing	<1	39	55	156
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	<1	44	67	253
Other commercial service industry machinery manufacturing	<1	154	298	907
Air purification and ventilation equipment manufacturing	<1	104	161	447
Heating equipment (except warm air furnaces) manufacturing	<1	329	578	1,755
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,237	2,667	7,448
Industrial mold manufacturing	<1	60	75	147
Special tool, die, jig, and fixture manufacturing	<1	45	66	127
Cutting tool and machine tool accessory manufacturing	<1	288	343	818
Machine tool manufacturing	<1	32	44	126
Rolling mill and other metalworking machinery manufacturing	<1	28	35	75
Turbine and turbine generator set units manufacturing	<1	188	267	736
Speed changer, industrial high-speed drive, and gear manufacturing	<1	549	940	2,255
Mechanical power transmission equipment manufacturing	<1	28	51	104
Other engine equipment manufacturing	<1	1,181	3,073	11,813
Pump and pumping equipment manufacturing	<1	20	42	107
Air and gas compressor manufacturing	<1	<1	2	6
Elevator and moving stairway manufacturing	<1	55	89	275
Conveyor and conveying equipment manufacturing	<1	11	12	36
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	8	26
Industrial truck, trailer, and stacker manufacturing	<1	72	134	401

Appendix

Power-driven handtool manufacturing	<1	231	744	1,802
Welding and soldering equipment manufacturing	<1	14	22	61
Packaging machinery manufacturing	<1	36	59	143
Industrial process furnace and oven manufacturing	<1	5	6	15
Fluid power cylinder and actuator manufacturing	<1	64	101	255
Fluid power pump and motor manufacturing	<1	338	627	2,040
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	97	129	372
Electronic computer manufacturing	<1	34	153	433
Computer storage device manufacturing	<1	10	57	105
Computer terminals and other computer peripheral equipment manufacturing	<1	680	1,972	2,707
Telephone apparatus manufacturing	<1	<1	1	3
Broadcast and wireless communications equipment manufacturing	<1	18	47	96
Other communications equipment manufacturing	<1	239	746	1,582
Audio and video equipment manufacturing	<1	33	103	317
Printed circuit assembly (electronic assembly) manufacturing	<1	77	276	733
Bare printed circuit board manufacturing	<1	12	24	56
Semiconductor and related device manufacturing	<1	12	36	77
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,865	4,049	6,693
Electronic connector manufacturing	<1	14	37	59
Other electronic component manufacturing	<1	220	456	1,205
Electromedical and electrotherapeutic apparatus manufacturing	<1	58	227	404
Search, detection, and navigation instruments manufacturing	<1	2	7	11
Automatic environmental control manufacturing	<1	101	202	487

Appendix

Industrial process variable instruments manufacturing	<1	44	120	249
Totalizing fluid meter and counting device manufacturing	<1	325	1,489	2,423
Electricity and signal testing instruments manufacturing	<1	24	68	225
Analytical laboratory instrument manufacturing	<1	6,889	22,627	45,626
Irradiation apparatus manufacturing	<1	<1	3	4
Watch, clock, and other measuring and controlling device manufacturing	<1	4	16	27
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	11	26	44
Electric lamp bulb and part manufacturing	<1	504	1,699	3,230
Lighting fixture manufacturing	<1	359	773	1,788
Small electrical appliance manufacturing	<1	19	75	155
Household cooking appliance manufacturing	<1	896	3,624	7,543
Household refrigerator and home freezer manufacturing	<1	956	4,085	8,173
Household laundry equipment manufacturing	<1	2,184	6,301	17,057
Other major household appliance manufacturing	<1	370	1,726	3,233
Power, distribution, and specialty transformer manufacturing	<1	12	28	62
Motor and generator manufacturing	<1	204	561	1,306
Switchgear and switchboard apparatus manufacturing	<1	776	2,103	4,618
Relay and industrial control manufacturing	<1	989	1,883	4,211
Storage battery manufacturing	<1	1,369	2,800	6,092
Primary battery manufacturing	<1	1,712	8,683	10,677
Fiber optic cable manufacturing	<1	1,440	2,167	7,425
Other communication and energy wire manufacturing	<1	235	539	1,492
Wiring device manufacturing	<1	880	2,821	5,027
Carbon and graphite product manufacturing	<1	1,847	4,947	10,530
All other miscellaneous electrical equipment and component manufacturing	<1	6,394	8,757	24,645
Automobile manufacturing	<1	4,889	14,744	66,205

Appendix

Light truck and utility vehicle manufacturing	<1	2,364	4,100	44,655
Heavy duty truck manufacturing	<1	10	23	119
Motor vehicle body manufacturing	<1	46	58	232
Truck trailer manufacturing	<1	2	3	12
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	6,491	6,991	18,512
Motor vehicle gasoline engine and engine parts manufacturing	<1	2,730	3,830	18,701
Motor vehicle electrical and electronic equipment manufacturing	<1	4,262	5,098	23,526
Motor vehicle transmission and power train parts manufacturing	<1	8,940	13,104	65,740
Motor vehicle seating and interior trim manufacturing	<1	1,373	1,546	8,661
Motor vehicle metal stamping	<1	5,889	6,942	23,782
Other motor vehicle parts manufacturing	<1	8,527	10,778	48,734
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	7,846	11,891	44,237
Aircraft manufacturing	<1	44	65	285
Aircraft engine and engine parts manufacturing	<1	15	24	68
Other aircraft parts and auxiliary equipment manufacturing	<1	61	72	159
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	57	61	282
Ship building and repairing	<1	201	220	526
Boat building	<1	3,618	4,353	16,867
Motorcycle, bicycle, and parts manufacturing	<1	52	102	536
Military armored vehicle, tank, and tank component manufacturing	<1	506	696	3,894
All other transportation equipment manufacturing	<1	2,647	3,891	19,519
Wood kitchen cabinet and countertop manufacturing	<1	906	2,606	4,561
Upholstered household furniture manufacturing	<1	31	48	152

Appendix

Nonupholstered wood household furniture manufacturing	<1	55	109	248
Other household nonupholstered furniture manufacturing	<1	202	706	1,334
Institutional furniture manufacturing	<1	4	5	16
Wood office furniture manufacturing	<1	3	10	20
Custom architectural woodwork and millwork	<1	16	16	56
Office furniture, except wood, manufacturing	<1	43	193	378
Showcase, partition, shelving, and locker manufacturing	<1	119	386	737
Mattress manufacturing	<1	195	979	1,935
Blind and shade manufacturing	<1	19	23	84
Surgical and medical instrument manufacturing	<1	732	1,267	3,080
Surgical appliance and supplies manufacturing	<1	668	1,228	2,963
Dental equipment and supplies manufacturing	<1	23	36	63
Ophthalmic goods manufacturing	<1	16	29	64
Dental laboratories	<1	190	198	356
Jewelry and silverware manufacturing	<1	364	627	1,843
Sporting and athletic goods manufacturing	<1	530	720	2,031
Doll, toy, and game manufacturing	<1	70	108	384
Office supplies (except paper) manufacturing	<1	305	428	1,251
Sign manufacturing	<1	2,249	2,013	5,123
Gasket, packing, and sealing device manufacturing	<1	521	637	1,564
Musical instrument manufacturing	<1	22	24	52
Fasteners, buttons, needles, and pins manufacturing	<1	17	23	66
Broom, brush, and mop manufacturing	<1	391	554	1,636
Burial casket manufacturing	<1	105	129	264
All other miscellaneous manufacturing	<1	1,372	1,797	4,498
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,319	12,515	27,962
Wholesale - Professional and commercial equipment and supplies	<1	35,573	60,587	104,888

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Wholesale - Household appliances and electrical and electronic goods	<1	12,364	31,807	66,233
Wholesale - Machinery, equipment, and supplies	<1	13,981	28,729	48,922
Wholesale - Other durable goods merchant wholesalers	<1	32,557	61,326	117,508
Wholesale - Drugs and druggists' sundries	<1	14,443	43,517	82,511
Wholesale - Grocery and related product wholesalers	<1	31,400	44,103	86,107
Wholesale - Petroleum and petroleum products	<1	3,405	97,803	107,839
Wholesale - Other nondurable goods merchant wholesalers	<1	43,221	108,602	193,207
Wholesale - Wholesale electronic markets and agents and brokers	<1	46,359	48,521	56,460
Retail - Motor vehicle and parts dealers	<1	45,150	71,753	107,378
Retail - Furniture and home furnishings stores	<1	20,658	27,693	48,717
Retail - Electronics and appliance stores	<1	26,236	27,639	46,340
Retail - Building material and garden equipment and supplies stores	<1	29,501	55,058	81,555
Retail - Food and beverage stores	3	72,773	100,781	174,318
Retail - Health and personal care stores	1	49,787	63,166	99,015
Retail - Gasoline stores	<1	23,138	39,388	77,616
Retail - Clothing and clothing accessories stores	1	34,252	54,223	114,746
Retail - Sporting goods, hobby, musical instrument and book stores	<1	18,728	24,722	42,841
Retail - General merchandise stores	3	74,647	109,260	184,146
Retail - Miscellaneous store retailers	2	32,312	40,010	70,242
Retail - Nonstore retailers	1	25,434	97,511	216,775
Air transportation	<1	10,249	26,449	54,889
Rail transportation	<1	6,277	12,735	23,225
Water transportation	<1	3,018	4,277	25,640
Truck transportation	1	73,884	90,996	185,088
Transit and ground passenger transportation	2	18,269	21,506	42,749
Pipeline transportation	<1	1,245	4,274	5,002
Scenic and sightseeing transportation and support activities for transportation	1	59,013	65,825	144,039

Appendix

Couriers and messengers	<1	34,703	50,146	83,565
Warehousing and storage	1	61,031	69,322	130,631
Newspaper publishers	<1	9,527	15,938	20,530
Periodical publishers	<1	3,100	4,849	7,880
Book publishers	<1	5,530	16,285	28,437
Directory, mailing list, and other publishers	<1	1,517	4,065	5,905
Greeting card publishing	0	0	0	0
Software publishers	<1	27,917	61,344	70,959
Motion picture and video industries	<1	7,739	13,374	40,499
Sound recording industries	<1	1,546	9,357	16,818
Radio and television broadcasting	<1	100,073	109,511	180,466
Cable and other subscription programming	<1	1,373	3,933	8,201
Wired telecommunications carriers	<1	45,156	117,510	220,903
Wireless telecommunications carriers (except satellite)	<1	11,837	100,568	242,805
Satellite, telecommunications resellers, and all other telecommunications	<1	6,770	10,384	24,328
Data processing, hosting, and related services	1	91,189	150,325	477,332
News syndicates, libraries, archives and all other information services	<1	6,275	9,475	22,106
Internet publishing and broadcasting and web search portals	<1	16,708	31,566	130,822
Nondepository credit intermediation and related activities	<1	95,243	106,640	181,108
Securities and commodity contracts intermediation and brokerage	1	66,033	67,532	155,309
Monetary authorities and depository credit intermediation	3	309,573	420,794	887,320
Other financial investment activities	<1	38,651	56,634	176,968
Direct life insurance carriers	<1	26,942	51,411	81,611
Insurance carriers, except direct life	1	78,397	245,581	592,700
Insurance agencies, brokerages, and related activities	1	83,080	128,657	342,334
Funds, trusts, and other financial vehicles	<1	13,699	18,673	116,113
Other real estate	12	243,700	757,064	2,132,664
Tenant-occupied housing	<1	19,077	261,851	302,816

Appendix

Owner-occupied dwellings	0	0	915,346	1,161,991
Automotive equipment rental and leasing	<1	12,861	45,858	64,889
General and consumer goods rental except video tapes and discs	<1	16,905	24,912	43,383
Video tape and disc rental	<1	3,368	6,359	10,076
Commercial and industrial machinery and equipment rental and leasing	<1	17,896	55,043	73,325
Lessors of nonfinancial intangible assets	<1	1,455	59,048	68,431
Legal services	4	283,369	405,794	604,817
Accounting, tax preparation, bookkeeping, and payroll services	2	105,999	141,140	215,797
Architectural, engineering, and related services	2	129,328	142,617	251,486
Specialized design services	<1	13,121	21,330	33,162
Custom computer programming services	<1	40,200	41,109	59,250
Computer systems design services	<1	50,103	44,179	58,738
Other computer related services, including facilities management	<1	34,139	40,182	82,842
Management consulting services	41	3,391,860	3,527,693	5,770,802
Environmental and other technical consulting services	<1	35,367	37,084	56,112
Scientific research and development services	36	2,743,581	3,911,445	7,810,243
Advertising, public relations, and related services	<1	58,335	82,683	157,785
Photographic services	<1	3,322	8,172	16,582
Veterinary services	<1	13,477	16,768	26,027
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	74,386	136,025	241,321
Management of companies and enterprises	3	310,133	363,707	661,407
Office administrative services	1	79,991	22,757	75,284
Facilities support services	<1	12,489	17,605	43,223
Employment services	10	344,306	480,426	786,579
Business support services	2	90,495	71,720	136,192
Travel arrangement and reservation services	<1	16,298	20,432	52,300
Investigation and security services	1	53,558	51,686	77,882
Services to buildings	2	58,879	77,688	158,047
Landscape and horticultural services	1	43,440	51,792	98,439

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Other support services	<1	16,871	20,955	43,521
Waste management and remediation services	<1	45,910	72,566	126,291
Elementary and secondary schools	<1	33,414	28,952	35,420
Junior colleges, colleges, universities, and professional schools	20	682,010	947,517	1,362,324
Other educational services	<1	18,600	21,369	44,372
Offices of physicians	3	296,583	316,745	447,351
Offices of dentists	<1	58,608	77,229	108,510
Offices of other health practitioners	<1	36,559	57,148	77,079
Outpatient care centers	<1	33,941	32,041	57,593
Medical and diagnostic laboratories	<1	17,015	26,335	37,294
Home health care services	1	45,532	44,629	59,381
Other ambulatory health care services	<1	14,159	16,407	28,789
Hospitals	2	159,637	195,049	385,864
Nursing and community care facilities	2	64,193	77,536	134,911
Residential mental retardation, mental health, substance abuse and other facilities	<1	20,137	22,996	37,383
Individual and family services	2	50,689	44,654	72,086
Child day care services	<1	22,244	33,028	46,422
Community food, housing, and other relief services, including rehabilitation services	<1	14,686	14,608	35,167
Performing arts companies	<1	9,282	12,921	28,880
Commercial Sports Except Racing	<1	8,542	6,591	15,863
Racing and Track Operation	<1	1,045	1,657	3,125
Independent artists, writers, and performers	<1	11,168	27,746	52,938
Promoters of performing arts and sports and agents for public figures	<1	12,028	19,177	54,037
Museums, historical sites, zoos, and parks	<1	3,307	4,049	8,199
Amusement parks and arcades	<1	1,601	4,316	6,414
Gambling industries (except casino hotels)	<1	13,663	44,604	63,507
Other amusement and recreation industries	<1	16,725	20,008	40,028
Fitness and recreational sports centers	<1	9,060	13,611	27,710
Bowling centers	<1	1,646	3,025	5,216

Appendix

Hotels and motels, including casino hotels	<1	23,444	56,329	79,527
Other accommodations	<1	4,267	6,831	9,158
Full-service restaurants	7	156,957	228,366	413,358
Limited-service restaurants	5	98,945	159,817	373,844
All other food and drinking places	4	107,174	172,121	257,780
Automotive repair and maintenance, except car washes	1	65,397	79,876	121,665
Car washes	<1	32,110	50,801	79,254
Electronic and precision equipment repair and maintenance	1	78,224	104,992	179,839
Commercial and industrial machinery and equipment repair and maintenance	<1	35,720	36,275	57,711
Personal and household goods repair and maintenance	<1	10,620	22,682	33,087
Personal care services	1	34,526	32,319	43,845
Death care services	<1	7,734	6,092	8,795
Dry-cleaning and laundry services	<1	17,195	12,925	17,388
Other personal services	<1	23,179	29,281	44,195
Religious organizations	1	58,478	38,097	127,196
Grantmaking, giving, and social advocacy organizations	<1	12,401	45,428	70,843
Business and professional associations	<1	15,959	30,056	52,782
Labor and civic organizations	<1	12,999	41,472	68,390
Private households	<1	14,799	14,797	14,797
Postal service	<1	65,847	65,861	70,337
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	7,021	4,262	46,275
State government passenger transit	<1	854	104	3,536
State government electric utilities	<1	99,026	145,732	413,853
Other state government enterprises	<1	2,165	2,818	4,264
Local government passenger transit	<1	8,524	647	10,073
Local government electric utilities	<1	2,181	6,982	13,016
Other local government enterprises	<1	42,740	105,736	199,688
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	9	1,729,293	1,921,758	4,396,460

Moon to Mars Campaign

Table 746: Detailed M2M Campaign Impacts by Types of Impact, South Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	100,231	154,220	299,474
Oilseed farming	<1	-1	25	55
Grain farming	<1	2	-1	108
Vegetable and melon farming	<1	4	22	61
Fruit farming	<1	6	48	96
Tree nut farming	<1	<1	3	6
Greenhouse, nursery, and floriculture production	<1	5	12	38
Tobacco farming	<1	3	5	16
Cotton farming	<1	1	2	8
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	5	12	44
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	0	7	36
Dairy cattle and milk production	<1	<1	2	19
Poultry and egg production	<1	3	8	114
Animal production, except cattle and poultry and eggs	<1	<1	35	67
Forestry, forest products, and timber tract production	<1	4	4	5
Commercial logging	<1	14	13	22
Commercial fishing	<1	1	7	10
Commercial hunting and trapping	<1	2	11	13
Support activities for agriculture and forestry	<1	120	116	144
Oil and gas extraction	<1	<1	<1	157

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	24	45	80
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	16	43	72
Sand and gravel mining	<1	7	13	24
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	2	3
Other nonmetallic minerals	<1	3	6	13
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	5
Other nonmetallic minerals services	<1	<1	<1	<1
Electric power generation - Hydroelectric	<1	5	18	37
Electric power generation - Fossil fuel	<1	94	400	976
Electric power generation - Nuclear	<1	145	350	694
Electric power generation - Solar	<1	2	11	25
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	1	<1	3
Electric power transmission and distribution	<1	155	642	1,638
Natural gas distribution	<1	25	82	179
Water, sewage and other systems	<1	20	46	83
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	318	599	1,244
Maintenance and repair construction of residential structures	<1	107	190	405
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	<1
Dog and cat food manufacturing	<1	7	24	82
Other animal food manufacturing	<1	8	16	100
Flour milling	<1	5	9	50
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	4	11	52
Soybean and other oilseed processing	<1	<1	<1	2
Fats and oils refining and blending	<1	<1	<1	2
Breakfast cereal manufacturing	<1	2	5	18
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	6
Chocolate and confectionery manufacturing from cacao beans	<1	<1	<1	1
Confectionery manufacturing from purchased chocolate	<1	<1	<1	1
Frozen fruits, juices and vegetables manufacturing	<1	14	29	103
Frozen specialties manufacturing	<1	22	31	123
Canned fruits and vegetables manufacturing	<1	<1	2	10

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	<1	<1	4
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	9	15	76
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	<1
Frozen cakes and other pastries manufacturing	<1	10	14	27
Poultry processing	<1	62	82	318
Animal, except poultry, slaughtering	<1	18	23	137
Meat processed from carcasses	<1	26	27	185
Rendering and meat byproduct processing	<1	<1	1	4
Seafood product preparation and packaging	<1	<1	<1	2
Bread and bakery product, except frozen, manufacturing	<1	30	42	100
Cookie and cracker manufacturing	<1	2	3	10
Dry pasta, mixes, and dough manufacturing	<1	4	9	29
Tortilla manufacturing	<1	<1	<1	1
Roasted nuts and peanut butter manufacturing	<1	2	3	15
Other snack food manufacturing	<1	2	4	18
Coffee and tea manufacturing	<1	3	6	25
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	3	13
Spice and extract manufacturing	<1	4	7	27
All other food manufacturing	<1	9	13	54
Bottled and canned soft drinks & water	<1	17	31	137
Manufactured ice	<1	1	1	4
Breweries	<1	5	15	42
Wineries	<1	2	4	12
Distilleries	<1	2	19	35
Tobacco product manufacturing	<1	2	123	175
Fiber, yarn, and thread mills	<1	15	25	95
Broadwoven fabric mills	<1	28	46	152
Narrow fabric mills and schiffli machine embroidery	<1	5	6	19

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Nonwoven fabric mills	<1	37	62	200
Knit fabric mills	<1	3	4	11
Textile and fabric finishing mills	<1	10	13	46
Fabric coating mills	<1	3	4	21
Carpet and rug mills	<1	14	24	74
Curtain and linen mills	<1	2	3	9
Textile bag and canvas mills	<1	2	2	7
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	1
Other textile product mills	<1	8	10	25
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	3	4	7
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	2
Womens and girls cut and sew apparel manufacturing	<1	<1	2	4
Other cut and sew apparel manufacturing	<1	<1	3	6
Apparel accessories and other apparel manufacturing	<1	<1	2	3
Leather and hide tanning and finishing	<1	<1	<1	<1
Footwear manufacturing	<1	<1	<1	<1
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	13	20	63
Wood preservation	<1	2	5	18
Veneer and plywood manufacturing	<1	4	7	21
Engineered wood member and truss manufacturing	<1	3	5	12
Reconstituted wood product manufacturing	<1	5	11	32
Wood windows and door manufacturing	<1	16	22	54
Cut stock, resawing lumber, and planing	<1	1	2	6
Other millwork, including flooring	<1	7	11	31
Wood container and pallet manufacturing	<1	8	11	32
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	1	2	5
All other miscellaneous wood product manufacturing	<1	6	10	24
Pulp mills	<1	3	4	16

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Paper mills	<1	20	43	136
Paperboard mills	<1	19	47	175
Paperboard container manufacturing	<1	47	74	260
Paper bag and coated and treated paper manufacturing	<1	34	61	164
Stationery product manufacturing	<1	3	4	12
Sanitary paper product manufacturing	<1	26	77	230
All other converted paper product manufacturing	<1	15	22	63
Printing	<1	138	207	430
Support activities for printing	<1	6	8	12
Petroleum refineries	<1	2	20	56
Asphalt paving mixture and block manufacturing	<1	3	6	24
Asphalt shingle and coating materials manufacturing	<1	<1	<1	2
Petroleum lubricating oil and grease manufacturing	<1	8	38	79
All other petroleum and coal products manufacturing	<1	2	12	26
Petrochemical manufacturing	<1	7	37	232
Industrial gas manufacturing	<1	13	22	74
Synthetic dye and pigment manufacturing	<1	5	8	31
Other basic inorganic chemical manufacturing	<1	14	25	97
Other basic organic chemical manufacturing	<1	31	49	307
Plastics material and resin manufacturing	<1	25	36	295
Synthetic rubber manufacturing	<1	<1	<1	6
Artificial and synthetic fibers and filaments manufacturing	<1	77	99	574
Nitrogenous fertilizer manufacturing	<1	3	6	20
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	4
Pesticide and other agricultural chemical manufacturing	<1	1	3	13
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	38	101	458
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1

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Biological product (except diagnostic) manufacturing	<1	<1	1	4
Paint and coating manufacturing	<1	5	8	39
Adhesive manufacturing	<1	4	5	26
Soap and other detergent manufacturing	<1	12	30	129
Polish and other sanitation good manufacturing	<1	13	18	67
Surface active agent manufacturing	<1	11	29	97
Toilet preparation manufacturing	<1	<1	1	4
Printing ink manufacturing	<1	4	4	18
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	3	6	19
Photographic film and chemical manufacturing	<1	27	48	191
Other miscellaneous chemical product manufacturing	<1	13	19	84
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	49	85	293
Unlaminated plastics profile shape manufacturing	<1	19	44	110
Plastics pipe and pipe fitting manufacturing	<1	9	25	68
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2	5	16
Polystyrene foam product manufacturing	<1	4	7	27
Urethane and other foam product (except polystyrene) manufacturing	<1	4	7	24
Plastics bottle manufacturing	<1	2	3	11
Other plastics product manufacturing	<1	65	100	301
Tire manufacturing	<1	47	76	292
Rubber and plastics hoses and belting manufacturing	<1	6	9	26
Other rubber product manufacturing	<1	13	19	68
Pottery, ceramics, and plumbing fixture manufacturing	<1	4	6	11
Brick, tile, and other structural clay product manufacturing	<1	5	10	23
Flat glass manufacturing	<1	<1	2	4
Other pressed and blown glass and glassware manufacturing	<1	19	38	79
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	2	5	10
Cement manufacturing	<1	6	18	41
Ready-mix concrete manufacturing	<1	23	45	128
Concrete block and brick manufacturing	<1	9	18	45
Concrete pipe manufacturing	<1	<1	2	4
Other concrete product manufacturing	<1	11	17	36
Lime manufacturing	<1	<1	<1	2
Gypsum product manufacturing	<1	<1	3	6
Abrasive product manufacturing	<1	4	12	18
Cut stone and stone product manufacturing	<1	2	3	7
Ground or treated mineral and earth manufacturing	<1	<1	2	4
Mineral wool manufacturing	<1	<1	3	5
Miscellaneous nonmetallic mineral products manufacturing	<1	1	4	6
Iron and steel mills and ferroalloy manufacturing	<1	41	80	400
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	4
Rolled steel shape manufacturing	<1	4	10	46
Steel wire drawing	<1	2	4	19
Alumina refining and primary aluminum production	<1	2	4	18
Secondary smelting and alloying of aluminum	<1	2	4	29
Aluminum sheet, plate, and foil manufacturing	<1	6	12	44
Other aluminum rolling, drawing and extruding	<1	2	3	12
Nonferrous metal (exc aluminum) smelting and refining	<1	<1	2	6
Copper rolling, drawing, extruding and alloying	<1	22	35	237
Nonferrous metal, except copper and aluminum, shaping	<1	29	36	141
Secondary processing of other nonferrous metals	<1	<1	<1	1
Ferrous metal foundries	<1	<1	<1	3
Nonferrous metal foundries	<1	5	7	19
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	34	45	130
Iron and steel forging	<1	17	30	103

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Nonferrous forging	<1	<1	<1	3
Cutlery, utensil, pot, and pan manufacturing	<1	<1	3	7
Handtool manufacturing	<1	9	15	30
Prefabricated metal buildings and components manufacturing	<1	3	4	12
Fabricated structural metal manufacturing	<1	17	26	76
Plate work manufacturing	<1	6	7	19
Metal window and door manufacturing	<1	2	3	8
Sheet metal work manufacturing	<1	28	39	109
Ornamental and architectural metal work manufacturing	<1	2	3	9
Power boiler and heat exchanger manufacturing	<1	<1	<1	1
Metal tank (heavy gauge) manufacturing	<1	2	3	7
Metal cans manufacturing	<1	3	8	32
Metal barrels, drums and pails manufacturing	<1	3	4	13
Hardware manufacturing	<1	4	7	21
Spring and wire product manufacturing	<1	8	12	34
Machine shops	<1	53	67	145
Turned product and screw, nut, and bolt manufacturing	<1	11	16	41
Metal heat treating	<1	10	15	32
Metal coating and nonprecious engraving	<1	18	33	77
Electroplating, anodizing, and coloring metal	<1	17	20	45
Valve and fittings, other than plumbing, manufacturing	<1	5	9	25
Plumbing fixture fitting and trim manufacturing	<1	4	12	35
Ball and roller bearing manufacturing	<1	52	98	233
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	5	10	21
Fabricated pipe and pipe fitting manufacturing	<1	2	2	5
Other fabricated metal manufacturing	<1	14	19	54
Farm machinery and equipment manufacturing	<1	<1	<1	<1

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Lawn and garden equipment manufacturing	<1	3	7	33
Construction machinery manufacturing	<1	1	4	10
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	<1
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	1	2	5
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	<1	1	2	6
Other commercial service industry machinery manufacturing	<1	2	3	9
Air purification and ventilation equipment manufacturing	<1	1	2	5
Heating equipment (except warm air furnaces) manufacturing	<1	2	4	10
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7	15	39
Industrial mold manufacturing	<1	1	1	2
Special tool, die, jig, and fixture manufacturing	<1	<1	1	3
Cutting tool and machine tool accessory manufacturing	<1	9	11	26
Machine tool manufacturing	<1	<1	<1	2
Rolling mill and other metalworking machinery manufacturing	<1	<1	<1	<1
Turbine and turbine generator set units manufacturing	<1	2	3	7
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6	11	25
Mechanical power transmission equipment manufacturing	<1	<1	<1	1
Other engine equipment manufacturing	<1	28	78	252

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Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	<1	<1	<1	<1
Elevator and moving stairway manufacturing	<1	<1	<1	2
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	<1	<1
Industrial truck, trailer, and stacker manufacturing	<1	<1	1	4
Power-driven handtool manufacturing	<1	3	11	24
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	<1	<1	1	3
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	<1	<1	3
Fluid power pump and motor manufacturing	<1	9	16	52
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2	2	7
Electronic computer manufacturing	<1	<1	3	7
Computer storage device manufacturing	<1	<1	<1	<1
Computer terminals and other computer peripheral equipment manufacturing	<1	574	1,700	2,225
Telephone apparatus manufacturing	<1	<1	<1	<1
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	<1	2	5	11
Audio and video equipment manufacturing	<1	<1	<1	3
Printed circuit assembly (electronic assembly) manufacturing	<1	12	43	111
Bare printed circuit board manufacturing	<1	<1	2	4
Semiconductor and related device manufacturing	<1	3	9	18

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	118	261	425
Electronic connector manufacturing	<1	1	3	5
Other electronic component manufacturing	<1	50	105	268
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	2	3
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	2	4	10
Industrial process variable instruments manufacturing	<1	1	3	6
Totalizing fluid meter and counting device manufacturing	<1	3	12	19
Electricity and signal testing instruments manufacturing	<1	1	4	12
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	4	14	26
Lighting fixture manufacturing	<1	4	8	18
Small electrical appliance manufacturing	<1	<1	<1	1
Household cooking appliance manufacturing	<1	5	23	47
Household refrigerator and home freezer manufacturing	<1	6	26	50
Household laundry equipment manufacturing	<1	13	40	105
Other major household appliance manufacturing	<1	2	12	21
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	<1	5	14	33
Switchgear and switchboard apparatus manufacturing	<1	11	29	62

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Relay and industrial control manufacturing	<1	30	58	127
Storage battery manufacturing	<1	16	31	66
Primary battery manufacturing	<1	13	90	80
Fiber optic cable manufacturing	<1	24	36	118
Other communication and energy wire manufacturing	<1	16	37	100
Wiring device manufacturing	<1	34	110	184
Carbon and graphite product manufacturing	<1	15	42	89
All other miscellaneous electrical equipment and component manufacturing	<1	3,521	4,933	14,187
Automobile manufacturing	<1	26	77	342
Light truck and utility vehicle manufacturing	<1	11	20	208
Heavy duty truck manufacturing	<1	<1	<1	<1
Motor vehicle body manufacturing	<1	<1	<1	1
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	33	36	94
Motor vehicle gasoline engine and engine parts manufacturing	<1	18	25	124
Motor vehicle electrical and electronic equipment manufacturing	<1	25	30	128
Motor vehicle transmission and power train parts manufacturing	<1	90	130	579
Motor vehicle seating and interior trim manufacturing	<1	8	9	50
Motor vehicle metal stamping	<1	40	47	160
Other motor vehicle parts manufacturing	<1	51	59	288
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	50	75	275
Aircraft manufacturing	<1	<1	<1	1
Aircraft engine and engine parts manufacturing	<1	1	2	6
Other aircraft parts and auxiliary equipment manufacturing	<1	2	2	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	<1	<1	2
Ship building and repairing	<1	2	2	5
Boat building	<1	19	22	87
Motorcycle, bicycle, and parts manufacturing	<1	<1	<1	4
Military armored vehicle, tank, and tank component manufacturing	<1	5	6	32
All other transportation equipment manufacturing	<1	19	28	137
Wood kitchen cabinet and countertop manufacturing	<1	5	14	25
Upholstered household furniture manufacturing	<1	<1	<1	1
Nonupholstered wood household furniture manufacturing	<1	<1	<1	2
Other household nonupholstered furniture manufacturing	<1	2	7	13
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	<1	<1	<1	<1
Showcase, partition, shelving, and locker manufacturing	<1	1	3	7
Mattress manufacturing	<1	1	6	12
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	5	9	20
Surgical appliance and supplies manufacturing	<1	6	11	26
Dental equipment and supplies manufacturing	<1	<1	<1	<1
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	1	1	3
Jewelry and silverware manufacturing	<1	2	4	11
Sporting and athletic goods manufacturing	<1	3	4	12
Doll, toy, and game manufacturing	<1	<1	<1	3
Office supplies (except paper) manufacturing	<1	2	2	7
Sign manufacturing	<1	12	11	28
Gasket, packing, and sealing device manufacturing	<1	3	4	10

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Musical instrument manufacturing	<1	<1	<1	<1
Fasteners, buttons, needles, and pins manufacturing	<1	<1	<1	<1
Broom, brush, and mop manufacturing	<1	3	5	13
Burial casket manufacturing	<1	<1	<1	1
All other miscellaneous manufacturing	<1	12	15	37
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	37	88	196
Wholesale - Professional and commercial equipment and supplies	<1	349	594	1,017
Wholesale - Household appliances and electrical and electronic goods	<1	385	975	2,009
Wholesale - Machinery, equipment, and supplies	<1	137	280	476
Wholesale - Other durable goods merchant wholesalers	<1	253	478	911
Wholesale - Drugs and druggists' sundries	<1	97	292	544
Wholesale - Grocery and related product wholesalers	<1	179	251	488
Wholesale - Petroleum and petroleum products	<1	19	648	701
Wholesale - Other nondurable goods merchant wholesalers	<1	280	730	1,268
Wholesale - Wholesale electronic markets and agents and brokers	<1	463	485	564
Retail - Motor vehicle and parts dealers	<1	271	430	640
Retail - Furniture and home furnishings stores	<1	127	170	296
Retail - Electronics and appliance stores	<1	160	171	281
Retail - Building material and garden equipment and supplies stores	<1	175	327	481
Retail - Food and beverage stores	<1	470	647	1,105
Retail - Health and personal care stores	<1	299	382	598
Retail - Gasoline stores	<1	148	244	467
Retail - Clothing and clothing accessories stores	<1	216	339	704
Retail - Sporting goods, hobby, musical instrument and book stores	<1	113	150	256
Retail - General merchandise stores	<1	438	645	1,086

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Retail - Miscellaneous store retailers	<1	200	248	426
Retail - Nonstore retailers	<1	152	620	1,360
Air transportation	<1	60	159	324
Rail transportation	<1	42	73	142
Water transportation	<1	28	41	234
Truck transportation	<1	603	738	1,497
Transit and ground passenger transportation	<1	94	110	211
Pipeline transportation	<1	5	20	23
Scenic and sightseeing transportation and support activities for transportation	<1	471	528	1,167
Couriers and messengers	<1	200	296	494
Warehousing and storage	<1	418	476	891
Newspaper publishers	<1	60	101	128
Periodical publishers	<1	22	35	55
Book publishers	<1	30	87	151
Directory, mailing list, and other publishers	<1	6	16	23
Greeting card publishing	0	0	0	0
Software publishers	<1	171	382	440
Motion picture and video industries	<1	56	96	260
Sound recording industries	<1	10	65	110
Radio and television broadcasting	<1	853	886	1,177
Cable and other subscription programming	<1	17	33	58
Wired telecommunications carriers	<1	282	715	1,326
Wireless telecommunications carriers (except satellite)	<1	69	595	1,406
Satellite, telecommunications resellers, and all other telecommunications	<1	43	64	146
Data processing, hosting, and related services	<1	224	364	1,086
News syndicates, libraries, archives and all other information services	<1	39	61	135
Internet publishing and broadcasting and web search portals	<1	97	185	665
Nondepository credit intermediation and related activities	<1	625	702	1,151
Securities and commodity contracts intermediation and brokerage	<1	477	479	1,005

Appendix

Monetary authorities and depository credit intermediation	<1	1,666	2,267	4,723
Other financial investment activities	<1	301	430	1,200
Direct life insurance carriers	<1	150	299	462
Insurance carriers, except direct life	<1	502	1,662	3,822
Insurance agencies, brokerages, and related activities	<1	521	831	2,134
Funds, trusts, and other financial vehicles	<1	98	137	728
Other real estate	<1	2,022	6,036	15,909
Tenant-occupied housing	<1	124	1,755	1,992
Owner-occupied dwellings	0	0	6,057	7,690
Automotive equipment rental and leasing	<1	102	308	417
General and consumer goods rental except video tapes and discs	<1	100	140	234
Video tape and disc rental	<1	21	38	61
Commercial and industrial machinery and equipment rental and leasing	<1	123	343	449
Lessors of nonfinancial intangible assets	<1	10	408	470
Legal services	<1	2,316	3,363	4,938
Accounting, tax preparation, bookkeeping, and payroll services	<1	565	774	1,152
Architectural, engineering, and related services	<1	5,203	5,821	10,126
Specialized design services	<1	58	97	146
Custom computer programming services	<1	215	218	310
Computer systems design services	<1	293	259	340
Other computer related services, including facilities management	<1	216	252	509
Management consulting services	<1	2,686	2,811	4,481
Environmental and other technical consulting services	<1	275	292	436
Scientific research and development services	<1	30,724	43,429	84,504
Advertising, public relations, and related services	<1	418	606	1,105
Photographic services	<1	15	40	77
Veterinary services	<1	85	108	164
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	673	1,284	2,192

Appendix

Management of companies and enterprises	<1	2,665	3,145	5,615
Office administrative services	<1	671	205	622
Facilities support services	<1	65	91	211
Employment services	<1	2,583	3,676	5,766
Business support services	<1	464	374	684
Travel arrangement and reservation services	<1	82	103	262
Investigation and security services	<1	344	334	488
Services to buildings	<1	432	579	1,129
Landscape and horticultural services	<1	277	334	618
Other support services	<1	105	132	268
Waste management and remediation services	<1	304	480	826
Elementary and secondary schools	<1	252	219	264
Junior colleges, colleges, universities, and professional schools	<1	294	407	562
Other educational services	<1	120	139	279
Offices of physicians	<1	1,829	1,963	2,771
Offices of dentists	<1	366	490	681
Offices of other health practitioners	<1	223	356	476
Outpatient care centers	<1	215	204	371
Medical and diagnostic laboratories	<1	108	171	239
Home health care services	<1	283	279	373
Other ambulatory health care services	<1	89	104	181
Hospitals	<1	1,113	1,350	2,656
Nursing and community care facilities	<1	414	501	854
Residential mental retardation, mental health, substance abuse and other facilities	<1	143	164	262
Individual and family services	<1	333	296	474
Child day care services	<1	146	220	304
Community food, housing, and other relief services, including rehabilitation services	<1	104	104	244
Performing arts companies	<1	61	84	175
Commercial Sports Except Racing	<1	54	40	96
Racing and Track Operation	<1	7	11	19
Independent artists, writers, and performers	<1	86	199	370

Appendix

Promoters of performing arts and sports and agents for public figures	<1	79	124	329
Museums, historical sites, zoos, and parks	<1	21	25	51
Amusement parks and arcades	<1	11	27	40
Gambling industries (except casino hotels)	<1	90	287	403
Other amusement and recreation industries	<1	98	113	224
Fitness and recreational sports centers	<1	60	86	173
Bowling centers	<1	10	18	31
Hotels and motels, including casino hotels	<1	156	369	514
Other accommodations	<1	30	48	63
Full-service restaurants	<1	947	1,393	2,473
Limited-service restaurants	<1	623	1,014	2,309
All other food and drinking places	<1	578	929	1,363
Automotive repair and maintenance, except car washes	<1	467	548	834
Car washes	<1	213	335	520
Electronic and precision equipment repair and maintenance	<1	9,348	12,708	21,274
Commercial and industrial machinery and equipment repair and maintenance	<1	250	250	390
Personal and household goods repair and maintenance	<1	71	148	215
Personal care services	<1	228	206	280
Death care services	<1	56	38	57
Dry-cleaning and laundry services	<1	182	117	163
Other personal services	<1	159	199	298
Religious organizations	<1	392	222	818
Grantmaking, giving, and social advocacy organizations	<1	91	311	488
Business and professional associations	<1	110	197	343
Labor and civic organizations	<1	93	279	468
Private households	<1	100	100	100
Postal service	<1	336	336	358
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	12	8	65
State government passenger transit	<1	35	5	76
State government electric utilities	<1	3,398	5,186	14,771

Appendix

Other state government enterprises	<1	8	10	14
Local government passenger transit	<1	37	3	36
Local government electric utilities	<1	14	43	80
Other local government enterprises	<1	247	579	1,090
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 747: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Carolina

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	28	1,504,627	2,300,800	4,548,788
Oilseed farming	<1	-12	221	403
Grain farming	<1	33	-14	2,083
Vegetable and melon farming	<1	60	355	1,014
Fruit farming	<1	86	672	1,345
Tree nut farming	<1	4	30	59
Greenhouse, nursery, and floriculture production	<1	89	222	701
Tobacco farming	<1	17	33	93
Cotton farming	<1	43	97	318
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	118	265	1,043
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-2	179	972

Appendix

Dairy cattle and milk production	<1	4	39	365
Poultry and egg production	<1	64	171	3,064
Animal production, except cattle and poultry and eggs	<1	24	792	1,437
Forestry, forest products, and timber tract production	<1	58	58	79
Commercial logging	<1	262	245	437
Commercial fishing	<1	14	162	217
Commercial hunting and trapping	<1	19	229	268
Support activities for agriculture and forestry	<1	2,317	2,265	2,798
Oil and gas extraction	<1	1	<1	4,339
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	268	502	861
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	224	839	1,309
Sand and gravel mining	<1	93	209	383
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	13	34	62
Other nonmetallic minerals	<1	30	65	138
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	1	5
Metal mining services	<1	<1	<1	74
Other nonmetallic minerals services	<1	<1	<1	8
Electric power generation - Hydroelectric	<1	90	302	626
Electric power generation - Fossil fuel	<1	1,138	5,279	14,467
Electric power generation - Nuclear	<1	2,375	5,789	12,467
Electric power generation - Solar	<1	38	171	410
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	10	8	33
Electric power transmission and distribution	<1	2,461	10,580	28,911
Natural gas distribution	<1	501	1,592	3,745
Water, sewage and other systems	<1	767	1,750	3,430
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	5,603	10,528	22,749
Maintenance and repair construction of residential structures	<1	1,687	2,977	6,580
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	11
Dog and cat food manufacturing	<1	139	431	1,530
Other animal food manufacturing	<1	149	277	1,860
Flour milling	<1	126	246	1,343
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	<1	77	171	881
Soybean and other oilseed processing	<1	<1	3	36
Fats and oils refining and blending	<1	1	2	25
Breakfast cereal manufacturing	<1	38	92	331
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	16	25	95
Chocolate and confectionery manufacturing from cacao beans	<1	1	2	10
Confectionery manufacturing from purchased chocolate	<1	2	3	21
Frozen fruits, juices and vegetables manufacturing	<1	220	450	1,866
Frozen specialties manufacturing	<1	396	572	2,332
Canned fruits and vegetables manufacturing	<1	11	24	133
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	3	4	60
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	176	284	1,529
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	<1
Frozen cakes and other pastries manufacturing	<1	198	291	559
Poultry processing	<1	1,694	2,102	8,633
Animal, except poultry, slaughtering	<1	529	674	4,168
Meat processed from carcasses	<1	407	410	2,957
Rendering and meat byproduct processing	<1	16	16	69
Seafood product preparation and packaging	<1	10	13	58
Bread and bakery product, except frozen, manufacturing	<1	615	878	2,102
Cookie and cracker manufacturing	<1	29	42	148
Dry pasta, mixes, and dough manufacturing	<1	64	141	446
Tortilla manufacturing	<1	5	7	20
Roasted nuts and peanut butter manufacturing	<1	34	45	227
Other snack food manufacturing	<1	43	69	315
Coffee and tea manufacturing	<1	80	149	609
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	31	63	265
Spice and extract manufacturing	<1	67	110	442
All other food manufacturing	<1	113	169	751

Appendix

Bottled and canned soft drinks & water	<1	303	555	2,526
Manufactured ice	<1	24	16	66
Breweries	<1	112	343	1,000
Wineries	<1	20	37	129
Distilleries	<1	46	340	658
Tobacco product manufacturing	<1	31	1,348	2,169
Fiber, yarn, and thread mills	<1	286	381	1,813
Broadwoven fabric mills	<1	593	829	3,092
Narrow fabric mills and schiffli machine embroidery	<1	57	62	201
Nonwoven fabric mills	<1	405	646	2,333
Knit fabric mills	<1	21	26	74
Textile and fabric finishing mills	<1	71	89	343
Fabric coating mills	<1	29	38	212
Carpet and rug mills	<1	207	294	1,171
Curtain and linen mills	<1	32	38	132
Textile bag and canvas mills	<1	30	34	108
Rope, cordage, twine, tire cord and tire fabric mills	<1	13	16	46
Other textile product mills	<1	119	136	378
Hosiery and sock mills	<1	2	4	10
Other apparel knitting mills	<1	2	5	11
Cut and sew apparel contractors	<1	29	39	79
Mens and boys cut and sew apparel manufacturing	<1	4	9	19
Womens and girls cut and sew apparel manufacturing	<1	3	13	32
Other cut and sew apparel manufacturing	<1	13	47	100
Apparel accessories and other apparel manufacturing	<1	6	22	41
Leather and hide tanning and finishing	<1	<1	<1	2
Footwear manufacturing	<1	1	2	4
Other leather and allied product manufacturing	<1	3	5	10
Sawmills	<1	301	463	1,450
Wood preservation	<1	52	139	458
Veneer and plywood manufacturing	<1	127	199	575
Engineered wood member and truss manufacturing	<1	58	85	227
Reconstituted wood product manufacturing	<1	125	290	815
Wood windows and door manufacturing	<1	344	477	1,217

Appendix

Cut stock, resawing lumber, and planing	<1	20	36	115
Other millwork, including flooring	<1	128	204	592
Wood container and pallet manufacturing	<1	126	173	540
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	31	42	114
All other miscellaneous wood product manufacturing	<1	93	137	383
Pulp mills	<1	140	233	836
Paper mills	<1	476	1,207	3,358
Paperboard mills	<1	642	1,651	5,696
Paperboard container manufacturing	<1	710	1,144	4,100
Paper bag and coated and treated paper manufacturing	<1	509	996	2,691
Stationery product manufacturing	<1	51	81	231
Sanitary paper product manufacturing	<1	543	1,725	4,757
All other converted paper product manufacturing	<1	311	478	1,262
Printing	<1	1,712	2,430	5,668
Support activities for printing	<1	49	67	104
Petroleum refineries	<1	42	420	1,166
Asphalt paving mixture and block manufacturing	<1	57	109	469
Asphalt shingle and coating materials manufacturing	<1	4	21	34
Petroleum lubricating oil and grease manufacturing	<1	111	559	1,227
All other petroleum and coal products manufacturing	<1	55	351	749
Petrochemical manufacturing	<1	497	2,905	19,671
Industrial gas manufacturing	<1	315	504	1,726
Synthetic dye and pigment manufacturing	<1	75	114	413
Other basic inorganic chemical manufacturing	<1	290	468	1,886
Other basic organic chemical manufacturing	<1	869	1,352	7,546
Plastics material and resin manufacturing	<1	578	797	5,865
Synthetic rubber manufacturing	<1	14	18	122
Artificial and synthetic fibers and filaments manufacturing	<1	740	998	5,660

Appendix

Nitrogenous fertilizer manufacturing	<1	41	74	291
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	11	17	72
Pesticide and other agricultural chemical manufacturing	<1	42	89	404
Medicinal and botanical manufacturing	<1	6	7	24
Pharmaceutical preparation manufacturing	<1	389	965	4,780
In-vitro diagnostic substance manufacturing	<1	<1	<1	<1
Biological product (except diagnostic) manufacturing	<1	6	9	29
Paint and coating manufacturing	<1	72	108	511
Adhesive manufacturing	<1	39	52	280
Soap and other detergent manufacturing	<1	148	334	1,880
Polish and other sanitation good manufacturing	<1	156	203	835
Surface active agent manufacturing	<1	186	421	1,609
Toilet preparation manufacturing	<1	5	12	48
Printing ink manufacturing	<1	37	39	163
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	67	93	366
Photographic film and chemical manufacturing	<1	386	664	2,780
Other miscellaneous chemical product manufacturing	<1	237	322	1,408
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	321	565	1,991
Unlaminated plastics profile shape manufacturing	<1	113	262	686
Plastics pipe and pipe fitting manufacturing	<1	71	204	530
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	33	66	214
Polystyrene foam product manufacturing	<1	65	120	464
Urethane and other foam product (except polystyrene) manufacturing	<1	63	109	405
Plastics bottle manufacturing	<1	17	30	134
Other plastics product manufacturing	<1	957	1,460	4,675

Appendix

Tire manufacturing	<1	1,038	1,671	6,367
Rubber and plastics hoses and belting manufacturing	<1	107	169	510
Other rubber product manufacturing	<1	160	240	816
Pottery, ceramics, and plumbing fixture manufacturing	<1	32	52	96
Brick, tile, and other structural clay product manufacturing	<1	65	136	280
Flat glass manufacturing	<1	14	36	70
Other pressed and blown glass and glassware manufacturing	<1	298	634	1,278
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	44	90	185
Cement manufacturing	<1	81	254	561
Ready-mix concrete manufacturing	<1	340	696	1,972
Concrete block and brick manufacturing	<1	67	152	353
Concrete pipe manufacturing	<1	13	28	64
Other concrete product manufacturing	<1	165	267	551
Lime manufacturing	<1	9	27	58
Gypsum product manufacturing	<1	9	31	65
Abrasive product manufacturing	<1	40	146	216
Cut stone and stone product manufacturing	<1	42	55	133
Ground or treated mineral and earth manufacturing	<1	11	38	74
Mineral wool manufacturing	<1	11	33	60
Miscellaneous nonmetallic mineral products manufacturing	<1	14	53	96
Iron and steel mills and ferroalloy manufacturing	<1	503	1,153	4,852
Iron, steel pipe and tube manufacturing from purchased steel	<1	6	13	51
Rolled steel shape manufacturing	<1	80	213	825
Steel wire drawing	<1	29	54	240
Alumina refining and primary aluminum production	<1	18	31	152
Secondary smelting and alloying of aluminum	<1	25	51	324
Aluminum sheet, plate, and foil manufacturing	<1	68	163	505
Other aluminum rolling, drawing and extruding	<1	15	24	97

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	8	48	131
Copper rolling, drawing, extruding and alloying	<1	167	289	2,050
Nonferrous metal, except copper and aluminum, shaping	<1	46	60	219
Secondary processing of other nonferrous metals	<1	<1	2	8
Ferrous metal foundries	<1	13	24	74
Nonferrous metal foundries	<1	90	143	394
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	55	73	220
Iron and steel forging	<1	72	127	437
Nonferrous forging	<1	2	3	11
Cutlery, utensil, pot, and pan manufacturing	<1	12	35	93
Handtool manufacturing	<1	79	139	294
Prefabricated metal buildings and components manufacturing	<1	32	49	128
Fabricated structural metal manufacturing	<1	206	326	974
Plate work manufacturing	<1	98	111	324
Metal window and door manufacturing	<1	21	31	88
Sheet metal work manufacturing	<1	109	154	443
Ornamental and architectural metal work manufacturing	<1	31	43	128
Power boiler and heat exchanger manufacturing	<1	2	4	9
Metal tank (heavy gauge) manufacturing	<1	11	14	42
Metal cans manufacturing	<1	15	36	147
Metal barrels, drums and pails manufacturing	<1	14	17	65
Hardware manufacturing	<1	43	72	213
Spring and wire product manufacturing	<1	46	66	189
Machine shops	<1	347	445	990
Turned product and screw, nut, and bolt manufacturing	<1	73	114	303
Metal heat treating	<1	66	101	218
Metal coating and nonprecious engraving	<1	130	247	562
Electroplating, anodizing, and coloring metal	<1	121	142	320
Valve and fittings, other than plumbing, manufacturing	<1	68	117	356

Appendix

Plumbing fixture fitting and trim manufacturing	<1	34	104	323
Ball and roller bearing manufacturing	<1	314	619	1,523
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	<1	3	4	9
Small arms, ordnance, and accessories manufacturing	<1	11,172	21,493	47,742
Fabricated pipe and pipe fitting manufacturing	<1	23	30	81
Other fabricated metal manufacturing	<1	158	221	641
Farm machinery and equipment manufacturing	<1	<1	2	10
Lawn and garden equipment manufacturing	<1	29	59	336
Construction machinery manufacturing	<1	25	67	203
Mining machinery and equipment manufacturing	<1	2	4	10
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	3	4	11
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	9	13	36
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	<1	4	5	21
Other commercial service industry machinery manufacturing	<1	17	31	94
Air purification and ventilation equipment manufacturing	<1	12	18	52
Heating equipment (except warm air furnaces) manufacturing	<1	49	84	266
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	131	272	802
Industrial mold manufacturing	<1	7	8	17
Special tool, die, jig, and fixture manufacturing	<1	5	7	14

Appendix

Cutting tool and machine tool accessory manufacturing	<1	61	72	175
Machine tool manufacturing	<1	4	5	14
Rolling mill and other metalworking machinery manufacturing	<1	3	4	8
Turbine and turbine generator set units manufacturing	<1	18	25	73
Speed changer, industrial high-speed drive, and gear manufacturing	<1	75	124	320
Mechanical power transmission equipment manufacturing	<1	5	8	17
Other engine equipment manufacturing	<1	161	392	1,714
Pump and pumping equipment manufacturing	<1	2	3	9
Air and gas compressor manufacturing	<1	<1	<1	1
Elevator and moving stairway manufacturing	<1	11	18	56
Conveyor and conveying equipment manufacturing	<1	1	2	5
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	2	6
Industrial truck, trailer, and stacker manufacturing	<1	10	18	56
Power-driven handtool manufacturing	<1	18	57	144
Welding and soldering equipment manufacturing	<1	1	2	6
Packaging machinery manufacturing	<1	5	8	19
Industrial process furnace and oven manufacturing	<1	<1	<1	1
Fluid power cylinder and actuator manufacturing	<1	6	9	24
Fluid power pump and motor manufacturing	<1	23	43	143
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	11	14	42
Electronic computer manufacturing	<1	3	14	40
Computer storage device manufacturing	<1	<1	3	5
Computer terminals and other computer peripheral equipment manufacturing	<1	8	23	37
Telephone apparatus manufacturing	<1	<1	<1	<1

Appendix

Broadcast and wireless communications equipment manufacturing	<1	2	5	10
Other communications equipment manufacturing	<1	18	60	119
Audio and video equipment manufacturing	<1	2	6	20
Printed circuit assembly (electronic assembly) manufacturing	<1	22	86	225
Bare printed circuit board manufacturing	<1	2	4	8
Semiconductor and related device manufacturing	<1	3	12	26
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	101	222	378
Electronic connector manufacturing	<1	3	8	12
Other electronic component manufacturing	<1	48	103	264
Electromedical and electrotherapeutic apparatus manufacturing	<1	5	18	32
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	<1	9	18	45
Industrial process variable instruments manufacturing	<1	6	17	35
Totalizing fluid meter and counting device manufacturing	<1	60	300	466
Electricity and signal testing instruments manufacturing	<1	16	48	154
Analytical laboratory instrument manufacturing	<1	6,922	23,331	44,717
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	1	3	5
Electric lamp bulb and part manufacturing	<1	37	117	239
Lighting fixture manufacturing	<1	24	52	122
Small electrical appliance manufacturing	<1	2	6	13

Appendix

Household cooking appliance manufacturing	<1	80	304	655
Household refrigerator and home freezer manufacturing	<1	85	342	708
Household laundry equipment manufacturing	<1	198	547	1,517
Other major household appliance manufacturing	<1	35	153	295
Power, distribution, and specialty transformer manufacturing	<1	5	11	26
Motor and generator manufacturing	<1	42	110	265
Switchgear and switchboard apparatus manufacturing	<1	82	213	493
Relay and industrial control manufacturing	<1	207	390	885
Storage battery manufacturing	<1	130	265	591
Primary battery manufacturing	<1	161	597	971
Fiber optic cable manufacturing	<1	121	181	681
Other communication and energy wire manufacturing	<1	30	66	188
Wiring device manufacturing	<1	98	305	571
Carbon and graphite product manufacturing	<1	188	481	1,024
All other miscellaneous electrical equipment and component manufacturing	<1	2	3	8
Automobile manufacturing	<1	494	1,568	6,941
Light truck and utility vehicle manufacturing	<1	630	1,641	11,799
Heavy duty truck manufacturing	<1	1	3	16
Motor vehicle body manufacturing	<1	6	7	28
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	818	911	2,353
Motor vehicle gasoline engine and engine parts manufacturing	<1	264	399	1,859
Motor vehicle electrical and electronic equipment manufacturing	<1	505	670	3,202
Motor vehicle transmission and power train parts manufacturing	<1	777	1,180	6,328
Motor vehicle seating and interior trim manufacturing	<1	245	303	1,561
Motor vehicle metal stamping	<1	862	1,070	3,751
Other motor vehicle parts manufacturing	<1	959	1,362	5,590

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	694	1,106	4,139
Aircraft manufacturing	<1	5	8	35
Aircraft engine and engine parts manufacturing	<1	<1	<1	3
Other aircraft parts and auxiliary equipment manufacturing	<1	3	4	9
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	8	9	42
Ship building and repairing	<1	26	29	69
Boat building	<1	450	534	2,143
Motorcycle, bicycle, and parts manufacturing	<1	4	8	41
Military armored vehicle, tank, and tank component manufacturing	<1	88	120	756
All other transportation equipment manufacturing	<1	266	373	1,962
Wood kitchen cabinet and countertop manufacturing	<1	93	275	484
Upholstered household furniture manufacturing	<1	3	4	13
Nonupholstered wood household furniture manufacturing	<1	5	11	25
Other household nonupholstered furniture manufacturing	<1	19	67	131
Institutional furniture manufacturing	<1	<1	1	4
Wood office furniture manufacturing	<1	<1	2	4
Custom architectural woodwork and millwork	<1	2	2	5
Office furniture, except wood, manufacturing	<1	14	62	125
Showcase, partition, shelving, and locker manufacturing	<1	13	44	85
Mattress manufacturing	<1	20	96	200
Blind and shade manufacturing	<1	2	2	8
Surgical and medical instrument manufacturing	<1	63	105	269
Surgical appliance and supplies manufacturing	<1	60	108	272
Dental equipment and supplies manufacturing	<1	2	3	5

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Ophthalmic goods manufacturing	<1	2	3	6
Dental laboratories	<1	17	17	31
Jewelry and silverware manufacturing	<1	37	63	188
Sporting and athletic goods manufacturing	<1	48	65	192
Doll, toy, and game manufacturing	<1	6	9	31
Office supplies (except paper) manufacturing	<1	33	45	143
Sign manufacturing	<1	263	227	594
Gasket, packing, and sealing device manufacturing	<1	61	73	185
Musical instrument manufacturing	<1	2	2	4
Fasteners, buttons, needles, and pins manufacturing	<1	1	2	6
Broom, brush, and mop manufacturing	<1	36	47	151
Burial casket manufacturing	<1	15	17	38
All other miscellaneous manufacturing	<1	150	192	502
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	546	1,311	2,906
Wholesale - Professional and commercial equipment and supplies	<1	3,115	5,329	9,298
Wholesale - Household appliances and electrical and electronic goods	<1	2,020	5,351	11,159
Wholesale - Machinery, equipment, and supplies	<1	1,741	3,643	6,174
Wholesale - Other durable goods merchant wholesalers	<1	3,438	6,539	12,550
Wholesale - Drugs and druggists' sundries	<1	1,448	4,506	8,547
Wholesale - Grocery and related product wholesalers	<1	3,547	5,038	9,886
Wholesale - Petroleum and petroleum products	<1	450	10,687	11,934
Wholesale - Other nondurable goods merchant wholesalers	<1	4,507	11,201	20,168
Wholesale - Wholesale electronic markets and agents and brokers	<1	5,758	6,031	7,035
Retail - Motor vehicle and parts dealers	<1	4,652	7,388	11,100
Retail - Furniture and home furnishings stores	<1	2,073	2,778	4,945
Retail - Electronics and appliance stores	<1	2,679	2,799	4,748

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Retail - Building material and garden equipment and supplies stores	<1	2,846	5,338	7,944
Retail - Food and beverage stores	<1	7,085	9,885	17,324
Retail - Health and personal care stores	<1	5,098	6,470	10,197
Retail - Gasoline stores	<1	2,332	4,109	8,360
Retail - Clothing and clothing accessories stores	<1	3,418	5,474	11,862
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,864	2,469	4,352
Retail - General merchandise stores	<1	7,910	11,541	19,542
Retail - Miscellaneous store retailers	<1	3,121	3,903	7,035
Retail - Nonstore retailers	<1	2,417	9,274	21,082
Air transportation	<1	964	2,395	5,079
Rail transportation	<1	698	1,461	2,609
Water transportation	<1	354	503	3,060
Truck transportation	<1	8,607	10,773	22,413
Transit and ground passenger transportation	<1	936	1,068	2,249
Pipeline transportation	<1	206	571	680
Scenic and sightseeing transportation and support activities for transportation	<1	7,241	8,080	17,646
Couriers and messengers	<1	2,749	4,042	6,830
Warehousing and storage	<1	6,414	7,298	13,942
Newspaper publishers	<1	1,006	1,663	2,158
Periodical publishers	<1	258	399	668
Book publishers	<1	499	1,471	2,600
Directory, mailing list, and other publishers	<1	222	575	836
Greeting card publishing	0	0	0	0
Software publishers	<1	2,396	5,203	6,073
Motion picture and video industries	<1	658	1,107	3,725
Sound recording industries	<1	179	1,012	1,919
Radio and television broadcasting	<1	8,352	9,449	18,193
Cable and other subscription programming	<1	96	301	678
Wired telecommunications carriers	<1	4,408	11,546	22,089
Wireless telecommunications carriers (except satellite)	<1	1,049	8,640	21,498

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Satellite, telecommunications resellers, and all other telecommunications	<1	574	913	2,268
Data processing, hosting, and related services	<1	2,672	4,389	15,689
News syndicates, libraries, archives and all other information services	<1	529	789	1,931
Internet publishing and broadcasting and web search portals	<1	1,089	2,096	11,431
Nondepository credit intermediation and related activities	<1	9,063	9,954	17,500
Securities and commodity contracts intermediation and brokerage	<1	5,779	6,032	15,190
Monetary authorities and depository credit intermediation	<1	28,921	36,528	80,443
Other financial investment activities	<1	3,184	4,735	16,189
Direct life insurance carriers	<1	2,840	5,351	8,812
Insurance carriers, except direct life	<1	8,285	25,180	63,365
Insurance agencies, brokerages, and related activities	<1	10,345	16,136	43,269
Funds, trusts, and other financial vehicles	<1	1,400	1,890	12,035
Other real estate	2	29,859	92,536	272,654
Tenant-occupied housing	<1	1,868	24,186	28,454
Owner-occupied dwellings	0	0	86,536	109,854
Automotive equipment rental and leasing	<1	1,122	4,528	6,554
General and consumer goods rental except video tapes and discs	<1	1,789	2,761	4,919
Video tape and disc rental	<1	334	641	1,018
Commercial and industrial machinery and equipment rental and leasing	<1	1,649	5,717	7,741
Lessors of nonfinancial intangible assets	<1	122	4,580	5,301
Legal services	<1	35,131	49,721	74,820
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,610	9,884	15,421
Architectural, engineering, and related services	<1	16,110	17,448	31,245
Specialized design services	<1	669	1,029	1,692
Custom computer programming services	<1	5,027	5,167	7,643

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Computer systems design services	<1	4,271	3,740	5,038
Other computer related services, including facilities management	<1	2,572	3,015	6,364
Management consulting services	<1	31,315	32,556	54,235
Environmental and other technical consulting services	<1	3,050	3,199	4,897
Scientific research and development services	5	400,826	587,144	1,178,451
Advertising, public relations, and related services	<1	5,820	8,102	15,996
Photographic services	<1	237	547	1,175
Veterinary services	<1	1,343	1,635	2,585
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	9,057	16,215	30,351
Management of companies and enterprises	<1	33,625	39,453	73,345
Office administrative services	<1	6,147	1,754	5,979
Facilities support services	<1	820	1,168	3,016
Employment services	1	33,563	46,622	78,718
Business support services	<1	9,113	7,181	14,151
Travel arrangement and reservation services	<1	1,263	1,589	4,150
Investigation and security services	<1	4,759	4,580	7,089
Services to buildings	<1	6,866	9,054	18,957
Landscape and horticultural services	<1	5,872	7,012	13,549
Other support services	<1	1,875	2,335	5,013
Waste management and remediation services	<1	4,930	7,786	13,700
Elementary and secondary schools	<1	2,996	2,622	3,231
Junior colleges, colleges, universities, and professional schools	5	186,786	259,781	371,799
Other educational services	<1	1,993	2,285	4,799
Offices of physicians	<1	30,168	32,110	45,555
Offices of dentists	<1	5,814	7,574	10,710
Offices of other health practitioners	<1	3,727	5,723	7,746
Outpatient care centers	<1	3,199	3,006	5,435
Medical and diagnostic laboratories	<1	1,692	2,576	3,711
Home health care services	<1	4,716	4,607	6,196
Other ambulatory health care services	<1	1,407	1,620	2,862

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Hospitals	<1	14,766	18,080	36,161
Nursing and community care facilities	<1	6,159	7,434	13,196
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,804	2,059	3,392
Individual and family services	<1	4,446	3,858	6,319
Child day care services	<1	2,118	3,045	4,389
Community food, housing, and other relief services, including rehabilitation services	<1	1,279	1,268	3,116
Performing arts companies	<1	720	1,026	2,410
Commercial Sports Except Racing	<1	755	605	1,476
Racing and Track Operation	<1	96	159	317
Independent artists, writers, and performers	<1	911	2,474	4,771
Promoters of performing arts and sports and agents for public figures	<1	965	1,597	4,682
Museums, historical sites, zoos, and parks	<1	299	368	762
Amusement parks and arcades	<1	147	421	635
Gambling industries (except casino hotels)	<1	1,251	3,993	5,848
Other amusement and recreation industries	<1	1,486	1,783	3,702
Fitness and recreational sports centers	<1	795	1,205	2,536
Bowling centers	<1	155	288	510
Hotels and motels, including casino hotels	<1	1,873	4,588	6,559
Other accommodations	<1	299	482	654
Full-service restaurants	<1	14,688	21,112	39,125
Limited-service restaurants	<1	9,615	15,353	37,084
All other food and drinking places	<1	8,229	13,213	20,126
Automotive repair and maintenance, except car washes	<1	6,524	8,266	12,611
Car washes	<1	3,153	5,014	7,873
Electronic and precision equipment repair and maintenance	1	57,053	75,545	133,006
Commercial and industrial machinery and equipment repair and maintenance	<1	3,785	3,839	6,247
Personal and household goods repair and maintenance	<1	1,053	2,328	3,425
Personal care services	<1	3,227	3,106	4,224
Death care services	<1	718	637	898

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Dry-cleaning and laundry services	<1	2,096	1,775	2,333
Other personal services	<1	2,282	2,910	4,440
Religious organizations	<1	5,290	3,928	12,120
Grantmaking, giving, and social advocacy organizations	<1	1,029	3,953	6,144
Business and professional associations	<1	1,555	3,018	5,323
Labor and civic organizations	<1	1,137	3,792	6,178
Private households	<1	1,406	1,406	1,406
Postal service	<1	4,667	4,668	4,990
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	7,171	4,093	38,057
State government passenger transit	<1	37	5	153
State government electric utilities	<1	3,945	5,728	16,032
Other state government enterprises	<1	407	562	878
Local government passenger transit	<1	560	32	935
Local government electric utilities	<1	239	848	1,593
Other local government enterprises	<1	5,019	13,278	25,012
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	139,829	152,167	348,117

South Dakota

NASA

Table 748: Detailed NASA Impacts by Types of Impact, South Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	153	10,753,119	17,494,597	36,815,599
Oilseed farming	<1	32,261	84,888	163,889
Grain farming	<1	9,026	6,136	59,597
Vegetable and melon farming	<1	103	178	453
Fruit farming	<1	115	214	418
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	968	1,353	3,434
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,576	2,081	5,536
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	7,294	14,217	53,985
Dairy cattle and milk production	<1	1,228	2,232	15,285
Poultry and egg production	<1	554	786	12,610
Animal production, except cattle and poultry and eggs	<1	6,893	15,362	27,439
Forestry, forest products, and timber tract production	<1	87	90	114
Commercial logging	<1	1,817	1,565	2,165
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	143	422	1,872
Support activities for agriculture and forestry	<1	3,143	2,499	3,280
Oil and gas extraction	<1	1,621	1,669	77,692
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	12,961	13,837	17,466
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,684	806	5,360
Sand and gravel mining	<1	1,590	1,484	4,530

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Other clay, ceramic, refractory minerals mining	<1	423	302	1,101
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	17	14	102
Metal mining services	<1	23	22	854
Other nonmetallic minerals services	<1	<1	1	53
Electric power generation - Hydroelectric	<1	1,321	4,138	8,713
Electric power generation - Fossil fuel	<1	7,226	28,379	77,289
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	2,201	18,806	37,621
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	38,929	140,434	383,634
Natural gas distribution	<1	8,793	24,576	57,290
Water, sewage and other systems	<1	2,469	4,996	9,670
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	37,271	43,573	118,949
Maintenance and repair construction of residential structures	<1	12,021	14,582	38,649
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	27	32	86
Dog and cat food manufacturing	<1	464	1,221	5,431
Other animal food manufacturing	<1	789	1,234	11,446
Flour milling	<1	449	783	5,840
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	145	664	6,414
Fats and oils refining and blending	<1	34	61	607
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	131	191	950
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	12	17	195
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	765	1,026	4,927
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	4,224	5,822	60,983
Dry, condensed, and evaporated dairy product manufacturing	<1	251	543	4,421
Fluid milk manufacturing	<1	353	528	4,452
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	312	451	928

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Poultry processing	<1	5,015	6,101	34,151
Animal, except poultry, slaughtering	<1	9,050	10,908	90,906
Meat processed from carcasses	<1	1,218	1,127	10,077
Rendering and meat byproduct processing	<1	77	67	450
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	792	1,119	3,625
Cookie and cracker manufacturing	<1	1,103	1,508	5,896
Dry pasta, mixes, and dough manufacturing	<1	329	660	2,912
Tortilla manufacturing	<1	380	457	1,785
Roasted nuts and peanut butter manufacturing	<1	167	298	1,437
Other snack food manufacturing	<1	89	109	722
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	4	26
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	300	420	2,571
Bottled and canned soft drinks & water	<1	222	324	2,543
Manufactured ice	<1	32	17	124
Breweries	<1	279	573	2,675
Wineries	<1	376	550	2,991
Distilleries	<1	32	200	727
Tobacco product manufacturing	<1	62	1,920	4,922
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	10	13	58
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	4	5	29
Textile bag and canvas mills	<1	278	333	951
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	22	27	112
Hosiery and sock mills	<1	2	3	8

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Other apparel knitting mills	<1	4	6	16
Cut and sew apparel contractors	<1	10	15	76
Mens and boys cut and sew apparel manufacturing	<1	6	11	31
Womens and girls cut and sew apparel manufacturing	<1	3	6	108
Other cut and sew apparel manufacturing	<1	3	5	61
Apparel accessories and other apparel manufacturing	<1	1	3	9
Leather and hide tanning and finishing	<1	13	21	81
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	1,416	2,069	7,649
Wood preservation	<1	271	652	2,585
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	1,164	1,646	4,993
Reconstituted wood product manufacturing	<1	379	811	3,594
Wood windows and door manufacturing	<1	4,776	6,255	16,984
Cut stock, resawing lumber, and planing	<1	1,332	2,138	6,459
Other millwork, including flooring	<1	40	61	301
Wood container and pallet manufacturing	<1	693	889	2,494
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	268	348	1,059
All other miscellaneous wood product manufacturing	<1	325	444	1,412
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	3,406	4,993	23,946
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	193	280	1,256
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

Appendix

Printing	<1	26,246	40,862	85,586
Support activities for printing	<1	28	40	61
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	109	299	1,923
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	6,574	5,641	35,365
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	246	229	409
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	857	657	1,986
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	18	15	37
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	10	7	27
Pharmaceutical preparation manufacturing	<1	37	23	114
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	630	473	1,667
Polish and other sanitation good manufacturing	<1	317	274	534
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	78	42	211
Printing ink manufacturing	0	0	0	0

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Explosives manufacturing	<1	239	235	383
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	2,310	1,916	6,063
Other miscellaneous chemical product manufacturing	<1	568	485	1,258
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,342	4,524	19,879
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	583	1,122	4,871
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	153	215	954
Urethane and other foam product (except polystyrene) manufacturing	<1	35	48	231
Plastics bottle manufacturing	<1	12	17	87
Other plastics product manufacturing	<1	2,085	2,629	11,272
Tire manufacturing	<1	393	516	3,237
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	44	56	296
Pottery, ceramics, and plumbing fixture manufacturing	<1	646	1,220	1,903
Brick, tile, and other structural clay product manufacturing	<1	2,301	5,804	9,255
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	59	146	235
Cement manufacturing	<1	772	3,053	6,037
Ready-mix concrete manufacturing	<1	3,471	8,546	21,539
Concrete block and brick manufacturing	<1	1,139	3,117	6,487
Concrete pipe manufacturing	<1	301	736	1,504
Other concrete product manufacturing	<1	3,143	5,786	11,944
Lime manufacturing	<1	423	1,645	2,711
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	758	1,061	2,158
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	40	194	346
Iron and steel mills and ferroalloy manufacturing	<1	648	809	7,727
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	336	401	3,406
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	260	302	2,728
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	87	97	696
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	57	59	214
Nonferrous metal foundries	<1	57	64	226
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	821	1,053	3,378
Iron and steel forging	<1	7,573	12,603	48,675
Nonferrous forging	<1	1,281	1,903	8,327
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	5	9	36
Prefabricated metal buildings and components manufacturing	<1	309	443	1,342
Fabricated structural metal manufacturing	<1	219	329	1,135
Plate work manufacturing	<1	622	689	2,117
Metal window and door manufacturing	<1	629	874	2,854
Sheet metal work manufacturing	<1	4,056	5,439	15,214

Appendix

Ornamental and architectural metal work manufacturing	<1	464	612	1,875
Power boiler and heat exchanger manufacturing	<1	34	51	159
Metal tank (heavy gauge) manufacturing	<1	380	489	1,451
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	151	191	822
Hardware manufacturing	<1	247	394	1,278
Spring and wire product manufacturing	<1	72	100	340
Machine shops	<1	3,088	3,832	8,582
Turned product and screw, nut, and bolt manufacturing	<1	67	101	393
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	919	1,654	4,809
Electroplating, anodizing, and coloring metal	<1	134	155	373
Valve and fittings, other than plumbing, manufacturing	<1	360	591	2,100
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	413	875	1,563
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	93	179	488
Fabricated pipe and pipe fitting manufacturing	<1	150	187	424
Other fabricated metal manufacturing	<1	346	463	1,466
Farm machinery and equipment manufacturing	<1	111	198	942
Lawn and garden equipment manufacturing	<1	133	249	1,239
Construction machinery manufacturing	<1	142	339	1,085
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

Appendix

Sawmill, woodworking, and paper machinery	<1	6	6	17
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	1	2	4
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	17	24	77
Other commercial service industry machinery manufacturing	<1	68	120	425
Air purification and ventilation equipment manufacturing	<1	385	551	1,541
Heating equipment (except warm air furnaces) manufacturing	<1	26	41	170
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	72	139	436
Industrial mold manufacturing	<1	33	39	80
Special tool, die, jig, and fixture manufacturing	<1	151	206	387
Cutting tool and machine tool accessory manufacturing	<1	87	100	252
Machine tool manufacturing	<1	56	73	245
Rolling mill and other metalworking machinery manufacturing	<1	27	33	77
Turbine and turbine generator set units manufacturing	<1	17	23	108
Speed changer, industrial high-speed drive, and gear manufacturing	<1	82	129	367
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	10	20	61
Air and gas compressor manufacturing	<1	4	7	24
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	127	145	422
Overhead cranes, hoists, and monorail systems manufacturing	<1	19	35	115
Industrial truck, trailer, and stacker manufacturing	<1	144	245	784

Appendix

Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	13	19	61
Packaging machinery manufacturing	<1	9	14	38
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	59	87	247
Fluid power pump and motor manufacturing	<1	37	61	195
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	54	69	210
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	3	472,054	697,889	1,741,973
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	16	21	87
Other communications equipment manufacturing	<1	52	74	370
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	1,050	1,498	7,718
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	772	1,117	7,021
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	420	537	1,619
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	81	100	430
Electromedical and electrotherapeutic apparatus manufacturing	<1	1	2	6
Search, detection, and navigation instruments manufacturing	<1	<1	<1	3
Automatic environmental control manufacturing	<1	32	40	121

Appendix

Industrial process variable instruments manufacturing	<1	30	41	128
Totalizing fluid meter and counting device manufacturing	<1	8	14	52
Electricity and signal testing instruments manufacturing	<1	13	17	78
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	7	13	26
Small electrical appliance manufacturing	<1	8	28	56
Household cooking appliance manufacturing	<1	12	42	87
Household refrigerator and home freezer manufacturing	<1	10	37	74
Household laundry equipment manufacturing	<1	22	56	148
Other major household appliance manufacturing	<1	4	17	32
Power, distribution, and specialty transformer manufacturing	<1	7	14	40
Motor and generator manufacturing	<1	42	105	312
Switchgear and switchboard apparatus manufacturing	<1	124	303	808
Relay and industrial control manufacturing	<1	189	334	996
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	6
Automobile manufacturing	<1	118	204	2,015

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	670	741	3,242
Truck trailer manufacturing	<1	90	92	411
Motor home manufacturing	<1	1,715	1,944	11,233
Travel trailer and camper manufacturing	<1	221	240	1,577
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	867	924	4,772
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	124	130	508
Other motor vehicle parts manufacturing	<1	3,925	4,249	26,665
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	1	4	10
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	1	3
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	48	172	400
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	144	288	1,096
Wood kitchen cabinet and countertop manufacturing	<1	4,686	5,765	14,784
Upholstered household furniture manufacturing	<1	3	3	9

Appendix

Nonupholstered wood household furniture manufacturing	<1	504	563	1,552
Other household nonupholstered furniture manufacturing	<1	<1	<1	3
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	242	313	945
Custom architectural woodwork and millwork	<1	7	7	26
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	182	237	728
Mattress manufacturing	<1	13	21	88
Blind and shade manufacturing	<1	<1	1	4
Surgical and medical instrument manufacturing	<1	140	566	810
Surgical appliance and supplies manufacturing	<1	1,037	4,717	6,988
Dental equipment and supplies manufacturing	<1	12	44	71
Ophthalmic goods manufacturing	<1	6	27	42
Dental laboratories	<1	28	31	57
Jewelry and silverware manufacturing	<1	542	1,453	2,697
Sporting and athletic goods manufacturing	<1	12	29	59
Doll, toy, and game manufacturing	<1	114	401	645
Office supplies (except paper) manufacturing	<1	1,314	3,489	7,190
Sign manufacturing	<1	23,535	23,768	51,421
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	21	28	60
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	97	340	619
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	93	190	469
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	8,718	16,966	39,661
Wholesale - Professional and commercial equipment and supplies	<1	60,859	99,191	169,197

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	55,119	111,613	259,139
Wholesale - Machinery, equipment, and supplies	<1	27,820	46,897	85,183
Wholesale - Other durable goods merchant wholesalers	<1	46,430	70,790	145,196
Wholesale - Drugs and druggists' sundries	<1	11,787	29,015	57,809
Wholesale - Grocery and related product wholesalers	<1	19,548	24,871	49,756
Wholesale - Petroleum and petroleum products	<1	10,389	78,556	101,126
Wholesale - Other nondurable goods merchant wholesalers	<1	68,903	118,936	245,627
Wholesale - Wholesale electronic markets and agents and brokers	<1	24,102	24,752	28,747
Retail - Motor vehicle and parts dealers	<1	27,710	43,176	63,555
Retail - Furniture and home furnishings stores	<1	12,655	17,212	29,268
Retail - Electronics and appliance stores	<1	14,510	13,128	24,494
Retail - Building material and garden equipment and supplies stores	<1	16,945	30,798	46,501
Retail - Food and beverage stores	1	36,954	51,797	92,501
Retail - Health and personal care stores	<1	20,948	25,874	41,740
Retail - Gasoline stores	<1	15,376	27,341	53,572
Retail - Clothing and clothing accessories stores	<1	13,315	21,603	46,740
Retail - Sporting goods, hobby, musical instrument and book stores	<1	10,638	14,643	25,816
Retail - General merchandise stores	1	43,654	50,326	90,922
Retail - Miscellaneous store retailers	<1	29,680	32,269	44,955
Retail - Nonstore retailers	1	27,932	72,566	187,106
Air transportation	<1	26,604	43,943	89,405
Rail transportation	<1	7,857	20,289	34,149
Water transportation	<1	20	26	861
Truck transportation	3	197,186	220,390	430,283
Transit and ground passenger transportation	<1	25,674	31,544	39,238
Pipeline transportation	<1	9,706	21,525	26,366
Scenic and sightseeing transportation and support activities for transportation	<1	28,314	31,829	68,191

Appendix

Couriers and messengers	<1	29,702	36,963	64,006
Warehousing and storage	<1	12,513	14,790	41,916
Newspaper publishers	<1	17,957	33,728	45,957
Periodical publishers	<1	3,482	6,024	11,089
Book publishers	<1	358	1,300	3,343
Directory, mailing list, and other publishers	<1	7,275	23,152	34,625
Greeting card publishing	0	0	0	0
Software publishers	2	192,515	483,790	565,466
Motion picture and video industries	<1	26,020	57,136	190,159
Sound recording industries	<1	868	5,467	15,103
Radio and television broadcasting	<1	105,612	134,144	334,873
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	4	584,651	1,479,575	2,342,698
Wireless telecommunications carriers (except satellite)	<1	16,186	127,020	246,540
Satellite, telecommunications resellers, and all other telecommunications	21	2,981,057	4,801,262	10,107,430
Data processing, hosting, and related services	2	157,664	338,455	1,007,408
News syndicates, libraries, archives and all other information services	<1	707	963	2,446
Internet publishing and broadcasting and web search portals	<1	14,606	31,944	104,825
Nondepository credit intermediation and related activities	1	135,916	219,806	310,955
Securities and commodity contracts intermediation and brokerage	1	43,669	37,348	111,322
Monetary authorities and depository credit intermediation	1	182,083	1,073,519	1,172,882
Other financial investment activities	<1	33,541	40,078	169,679
Direct life insurance carriers	<1	28,857	63,878	100,887
Insurance carriers, except direct life	<1	46,682	181,320	400,147
Insurance agencies, brokerages, and related activities	6	386,678	660,964	1,741,299
Funds, trusts, and other financial vehicles	<1	18,508	83,657	187,654
Other real estate	6	109,401	327,306	991,341
Tenant-occupied housing	<1	17,635	131,574	170,712

Appendix

Owner-occupied dwellings	0	0	472,860	600,275
Automotive equipment rental and leasing	<1	8,332	19,146	41,278
General and consumer goods rental except video tapes and discs	<1	12,415	17,139	36,103
Video tape and disc rental	<1	2,479	4,107	6,436
Commercial and industrial machinery and equipment rental and leasing	<1	23,693	48,230	86,128
Lessors of nonfinancial intangible assets	<1	2,302	102,651	128,944
Legal services	1	64,842	110,846	173,437
Accounting, tax preparation, bookkeeping, and payroll services	1	82,618	108,197	172,650
Architectural, engineering, and related services	2	156,168	176,473	336,280
Specialized design services	<1	4,075	7,460	12,366
Custom computer programming services	<1	33,616	40,994	58,481
Computer systems design services	<1	67,015	65,927	89,485
Other computer related services, including facilities management	<1	18,553	29,286	57,489
Management consulting services	2	174,642	188,005	315,348
Environmental and other technical consulting services	<1	20,147	21,889	34,504
Scientific research and development services	9	537,739	699,957	1,676,212
Advertising, public relations, and related services	1	63,921	92,239	186,609
Photographic services	<1	1,437	4,395	8,677
Veterinary services	<1	7,218	9,005	14,322
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	10,542	18,808	44,089
Management of companies and enterprises	2	198,438	225,099	379,465
Office administrative services	1	69,202	43,295	95,065
Facilities support services	<1	3,410	5,564	11,768
Employment services	3	110,523	176,273	258,941
Business support services	3	121,914	113,758	211,090
Travel arrangement and reservation services	<1	6,715	9,485	24,305
Investigation and security services	<1	15,740	16,104	23,983
Services to buildings	1	27,375	42,110	83,673
Landscape and horticultural services	3	102,446	137,102	253,532

Appendix

Other support services	<1	19,197	26,002	54,197
Waste management and remediation services	<1	13,055	21,313	49,149
Elementary and secondary schools	<1	5,775	4,797	6,095
Junior colleges, colleges, universities, and professional schools	4	118,843	155,391	237,440
Other educational services	<1	5,221	5,869	15,135
Offices of physicians	2	248,501	256,339	332,770
Offices of dentists	<1	45,651	53,026	72,920
Offices of other health practitioners	<1	32,480	42,016	58,283
Outpatient care centers	<1	12,924	11,576	21,655
Medical and diagnostic laboratories	<1	6,893	8,812	11,895
Home health care services	<1	21,624	20,426	26,597
Other ambulatory health care services	<1	11,374	12,285	21,443
Hospitals	5	379,759	425,787	834,302
Nursing and community care facilities	1	60,525	56,730	102,962
Residential mental retardation, mental health, substance abuse and other facilities	<1	20,940	19,966	30,308
Individual and family services	<1	26,378	20,275	31,289
Child day care services	<1	14,996	15,803	25,541
Community food, housing, and other relief services, including rehabilitation services	<1	13,711	13,351	31,012
Performing arts companies	<1	2,446	3,628	8,679
Commercial Sports Except Racing	<1	6,463	3,938	13,070
Racing and Track Operation	<1	465	673	1,550
Independent artists, writers, and performers	1	16,186	36,863	89,629
Promoters of performing arts and sports and agents for public figures	<1	12,266	18,758	66,572
Museums, historical sites, zoos, and parks	<1	3,404	3,982	7,958
Amusement parks and arcades	<1	743	1,565	2,633
Gambling industries (except casino hotels)	<1	8,484	23,597	39,747
Other amusement and recreation industries	<1	7,248	9,045	19,755
Fitness and recreational sports centers	<1	4,077	5,822	11,618
Bowling centers	<1	1,081	1,738	3,535

Appendix

Hotels and motels, including casino hotels	<1	5,451	11,393	17,804
Other accommodations	<1	543	861	1,206
Full-service restaurants	4	76,306	113,174	213,843
Limited-service restaurants	3	51,146	83,407	192,232
All other food and drinking places	2	48,643	78,034	127,377
Automotive repair and maintenance, except car washes	1	60,159	71,447	105,273
Car washes	<1	25,678	40,172	60,777
Electronic and precision equipment repair and maintenance	<1	16,466	21,088	35,487
Commercial and industrial machinery and equipment repair and maintenance	<1	41,242	38,534	61,518
Personal and household goods repair and maintenance	<1	7,601	13,183	19,732
Personal care services	<1	16,888	15,786	20,618
Death care services	<1	4,110	2,939	4,122
Dry-cleaning and laundry services	<1	10,555	7,161	9,450
Other personal services	<1	10,150	13,162	18,708
Religious organizations	1	63,330	29,065	119,513
Grantmaking, giving, and social advocacy organizations	<1	11,841	38,022	60,554
Business and professional associations	<1	17,706	32,339	62,751
Labor and civic organizations	<1	7,960	23,597	48,478
Private households	<1	4,084	4,083	4,083
Postal service	<1	46,120	46,132	49,578
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	49,227	-1,060,819	48,891
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	4,728	13,145	25,056
Other local government enterprises	<1	42,757	96,116	225,734
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	173,636	317,324	725,950

Moon to Mars Campaign

Table 749: Detailed M2M Campaign Impacts by Types of Impact, South Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	7	467,792	769,143	1,497,970
Oilseed farming	<1	1,524	5,619	12,140
Grain farming	<1	329	242	2,210
Vegetable and melon farming	<1	4	8	20
Fruit farming	<1	6	11	21
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	24	34	86
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	57	78	207
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	294	504	1,769
Dairy cattle and milk production	<1	48	82	534
Poultry and egg production	<1	19	30	437
Animal production, except cattle and poultry and eggs	<1	222	566	1,021
Forestry, forest products, and timber tract production	<1	5	5	6
Commercial logging	<1	119	105	140
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	6	13	54
Support activities for agriculture and forestry	<1	135	107	141
Oil and gas extraction	<1	19	24	1,210

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	475	515	670
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	124	50	343
Sand and gravel mining	<1	185	156	465
Other clay, ceramic, refractory minerals mining	<1	69	47	174
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	<1	<1	36
Other nonmetallic minerals services	<1	<1	<1	5
Electric power generation - Hydroelectric	<1	43	136	277
Electric power generation - Fossil fuel	<1	297	1,113	2,806
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	64	546	1,065
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,346	4,830	12,557
Natural gas distribution	<1	256	737	1,642
Water, sewage and other systems	<1	63	126	230
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,243	1,466	3,919
Maintenance and repair construction of residential structures	<1	546	666	1,735
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	1	4
Dog and cat food manufacturing	<1	17	48	208
Other animal food manufacturing	<1	33	54	484
Flour milling	<1	7	12	92
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	7	32	303
Fats and oils refining and blending	<1	2	3	28
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	6	9	42
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	7
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	19	26	122
Canned fruits and vegetables manufacturing	0	0	0	0

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	115	158	1,668
Dry, condensed, and evaporated dairy product manufacturing	<1	12	26	194
Fluid milk manufacturing	<1	14	22	181
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	13	19	39
Poultry processing	<1	147	184	1,001
Animal, except poultry, slaughtering	<1	228	279	2,290
Meat processed from carcasses	<1	55	51	454
Rendering and meat byproduct processing	<1	4	3	21
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	33	47	150
Cookie and cracker manufacturing	<1	54	78	279
Dry pasta, mixes, and dough manufacturing	<1	14	27	125
Tortilla manufacturing	<1	16	19	74
Roasted nuts and peanut butter manufacturing	<1	8	15	66
Other snack food manufacturing	<1	4	5	31
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	<1
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	12	17	102
Bottled and canned soft drinks & water	<1	8	13	96
Manufactured ice	<1	1	<1	5
Breweries	<1	9	19	87
Wineries	<1	22	33	173
Distilleries	<1	1	7	26
Tobacco product manufacturing	<1	3	128	300
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	12	14	39
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	1	1	5
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	6
Other cut and sew apparel manufacturing	<1	<1	<1	3
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	<1	1	5
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	87	125	468
Wood preservation	<1	15	35	149
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	135	184	567
Reconstituted wood product manufacturing	<1	36	73	322
Wood windows and door manufacturing	<1	286	375	1,007
Cut stock, resawing lumber, and planing	<1	78	124	376
Other millwork, including flooring	<1	3	4	20
Wood container and pallet manufacturing	<1	33	43	119
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	11	14	43
All other miscellaneous wood product manufacturing	<1	22	31	93
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	168	245	1,164
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	11	16	68
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	920	1,467	2,894
Support activities for printing	<1	2	2	3
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	5	14	86
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	332	285	1,840
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	20	19	35
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	36	29	81
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	<1
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	2	1	7
In-vitro diagnostic substance manufacturing	0	0	0	0

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Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	31	26	78
Polish and other sanitation good manufacturing	<1	19	17	31
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	4	2	12
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	29	28	44
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	153	134	405
Other miscellaneous chemical product manufacturing	<1	23	21	55
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	356	479	2,074
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	81	155	669
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	10	15	65
Urethane and other foam product (except polystyrene) manufacturing	<1	2	2	11
Plastics bottle manufacturing	<1	1	1	7
Other plastics product manufacturing	<1	111	141	585
Tire manufacturing	<1	15	20	128
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	3	4	22
Pottery, ceramics, and plumbing fixture manufacturing	<1	75	135	219
Brick, tile, and other structural clay product manufacturing	<1	190	463	762
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	3	8	12
Cement manufacturing	<1	92	352	710
Ready-mix concrete manufacturing	<1	390	939	2,377
Concrete block and brick manufacturing	<1	167	433	945
Concrete pipe manufacturing	<1	24	56	120
Other concrete product manufacturing	<1	299	536	1,142
Lime manufacturing	<1	14	55	91
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	17	23	48
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	3	15	26
Iron and steel mills and ferroalloy manufacturing	<1	54	64	655
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	24	28	254
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	16	17	150
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	8	9	65
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	4	4	14
Nonferrous metal foundries	<1	4	4	15
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	88	113	354
Iron and steel forging	<1	1,154	1,900	7,270

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Nonferrous forging	<1	205	298	1,270
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	<1	2
Prefabricated metal buildings and components manufacturing	<1	39	51	164
Fabricated structural metal manufacturing	<1	25	37	129
Plate work manufacturing	<1	36	40	123
Metal window and door manufacturing	<1	87	119	388
Sheet metal work manufacturing	<1	430	572	1,581
Ornamental and architectural metal work manufacturing	<1	50	65	200
Power boiler and heat exchanger manufacturing	<1	8	11	35
Metal tank (heavy gauge) manufacturing	<1	56	72	207
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	18	23	94
Hardware manufacturing	<1	23	36	115
Spring and wire product manufacturing	<1	14	18	64
Machine shops	<1	166	206	457
Turned product and screw, nut, and bolt manufacturing	<1	8	12	44
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	51	91	267
Electroplating, anodizing, and coloring metal	<1	7	9	21
Valve and fittings, other than plumbing, manufacturing	<1	25	42	147
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	22	47	80
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	7	13	34
Fabricated pipe and pipe fitting manufacturing	<1	12	15	34
Other fabricated metal manufacturing	<1	26	35	111
Farm machinery and equipment manufacturing	<1	5	10	44

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Lawn and garden equipment manufacturing	<1	5	11	48
Construction machinery manufacturing	<1	15	40	117
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	<1	<1	<1
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	2	3	9
Other commercial service industry machinery manufacturing	<1	4	8	26
Air purification and ventilation equipment manufacturing	<1	28	41	116
Heating equipment (except warm air furnaces) manufacturing	<1	3	4	16
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	6	13	38
Industrial mold manufacturing	<1	7	9	18
Special tool, die, jig, and fixture manufacturing	<1	18	26	47
Cutting tool and machine tool accessory manufacturing	<1	7	9	21
Machine tool manufacturing	<1	5	6	21
Rolling mill and other metalworking machinery manufacturing	<1	2	3	6
Turbine and turbine generator set units manufacturing	<1	<1	1	5
Speed changer, industrial high-speed drive, and gear manufacturing	<1	6	9	24
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	<1	<1	1	4
Air and gas compressor manufacturing	<1	<1	<1	1
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	10	12	34
Overhead cranes, hoists, and monorail systems manufacturing	<1	4	9	28
Industrial truck, trailer, and stacker manufacturing	<1	11	19	59
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	1	4
Packaging machinery manufacturing	<1	<1	<1	3
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	4	6	18
Fluid power pump and motor manufacturing	<1	7	12	36
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	6	8	22
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	51,079	76,820	188,144
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	<1	<1	1	4
Other communications equipment manufacturing	<1	2	3	17
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	186	274	1,373
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	58	86	508

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	56	72	215
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	15	18	75
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	5	6	19
Industrial process variable instruments manufacturing	<1	3	3	11
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	3
Electricity and signal testing instruments manufacturing	<1	2	2	11
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	1	2
Small electrical appliance manufacturing	<1	<1	2	5
Household cooking appliance manufacturing	<1	<1	2	4
Household refrigerator and home freezer manufacturing	<1	<1	2	3
Household laundry equipment manufacturing	<1	<1	3	7
Other major household appliance manufacturing	<1	<1	1	2
Power, distribution, and specialty transformer manufacturing	<1	<1	1	4
Motor and generator manufacturing	<1	4	10	29
Switchgear and switchboard apparatus manufacturing	<1	10	25	65

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Relay and industrial control manufacturing	<1	23	42	121
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	5	8	77
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	25	27	122
Truck trailer manufacturing	<1	3	3	15
Motor home manufacturing	<1	60	69	380
Travel trailer and camper manufacturing	<1	6	7	43
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	31	33	159
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	7	7	28
Other motor vehicle parts manufacturing	<1	218	217	1,477
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	<1	1	5
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	3	10	22
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	15	54
Wood kitchen cabinet and countertop manufacturing	<1	308	336	899
Upholstered household furniture manufacturing	<1	<1	<1	<1
Nonupholstered wood household furniture manufacturing	<1	16	18	49
Other household nonupholstered furniture manufacturing	<1	<1	<1	<1
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	8	9	29
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	<1	5	21	29
Surgical appliance and supplies manufacturing	<1	63	293	414
Dental equipment and supplies manufacturing	<1	<1	3	4
Ophthalmic goods manufacturing	<1	<1	1	2
Dental laboratories	<1	2	2	3
Jewelry and silverware manufacturing	<1	24	64	118
Sporting and athletic goods manufacturing	<1	<1	1	3
Doll, toy, and game manufacturing	<1	4	14	22
Office supplies (except paper) manufacturing	<1	15	41	78
Sign manufacturing	<1	564	580	1,242
Gasket, packing, and sealing device manufacturing	0	0	0	0

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Musical instrument manufacturing	<1	1	2	4
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	5	22	33
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	9	18	42
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	429	844	1,966
Wholesale - Professional and commercial equipment and supplies	<1	4,616	7,517	12,688
Wholesale - Household appliances and electrical and electronic goods	<1	2,623	5,276	12,154
Wholesale - Machinery, equipment, and supplies	<1	1,447	2,423	4,393
Wholesale - Other durable goods merchant wholesalers	<1	2,992	4,540	9,274
Wholesale - Drugs and druggists' sundries	<1	573	1,411	2,761
Wholesale - Grocery and related product wholesalers	<1	647	822	1,638
Wholesale - Petroleum and petroleum products	<1	295	2,927	3,672
Wholesale - Other nondurable goods merchant wholesalers	<1	3,110	5,560	11,205
Wholesale - Wholesale electronic markets and agents and brokers	<1	624	641	743
Retail - Motor vehicle and parts dealers	<1	1,246	1,942	2,840
Retail - Furniture and home furnishings stores	<1	576	784	1,320
Retail - Electronics and appliance stores	<1	655	601	1,102
Retail - Building material and garden equipment and supplies stores	<1	724	1,319	1,982
Retail - Food and beverage stores	<1	1,759	2,451	4,322
Retail - Health and personal care stores	<1	932	1,157	1,865
Retail - Gasoline stores	<1	611	1,052	1,998
Retail - Clothing and clothing accessories stores	<1	618	994	2,111
Retail - Sporting goods, hobby, musical instrument and book stores	<1	477	659	1,147
Retail - General merchandise stores	<1	1,891	2,192	3,957

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Retail - Miscellaneous store retailers	<1	1,365	1,482	2,022
Retail - Nonstore retailers	<1	1,241	3,421	8,688
Air transportation	<1	898	1,533	3,062
Rail transportation	<1	360	787	1,415
Water transportation	<1	1	2	49
Truck transportation	<1	3,718	4,147	8,155
Transit and ground passenger transportation	<1	1,382	1,688	2,019
Pipeline transportation	<1	178	444	558
Scenic and sightseeing transportation and support activities for transportation	<1	1,348	1,523	3,295
Couriers and messengers	<1	1,826	2,357	4,082
Warehousing and storage	<1	685	811	2,291
Newspaper publishers	<1	512	965	1,296
Periodical publishers	<1	137	239	419
Book publishers	<1	13	48	122
Directory, mailing list, and other publishers	<1	39	129	191
Greeting card publishing	0	0	0	0
Software publishers	<1	30,637	77,518	90,630
Motion picture and video industries	<1	223	479	1,508
Sound recording industries	<1	16	99	260
Radio and television broadcasting	<1	4,950	5,957	11,942
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	<1	2,279	5,584	8,814
Wireless telecommunications carriers (except satellite)	<1	295	2,349	4,459
Satellite, telecommunications resellers, and all other telecommunications	<1	75	119	248
Data processing, hosting, and related services	<1	32,120	68,177	177,076
News syndicates, libraries, archives and all other information services	<1	15	21	52
Internet publishing and broadcasting and web search portals	<1	484	1,065	3,029
Nondepository credit intermediation and related activities	<1	3,916	6,336	8,658
Securities and commodity contracts intermediation and brokerage	<1	1,946	1,634	4,460

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Monetary authorities and depository credit intermediation	<1	6,963	41,185	44,423
Other financial investment activities	<1	1,783	2,079	7,872
Direct life insurance carriers	<1	1,074	2,483	3,813
Insurance carriers, except direct life	<1	1,801	7,365	15,535
Insurance agencies, brokerages, and related activities	<1	5,625	10,067	25,137
Funds, trusts, and other financial vehicles	<1	830	3,880	7,500
Other real estate	<1	4,701	13,526	38,348
Tenant-occupied housing	<1	854	6,561	8,355
Owner-occupied dwellings	0	0	23,059	29,272
Automotive equipment rental and leasing	<1	199	402	836
General and consumer goods rental except video tapes and discs	<1	457	602	1,219
Video tape and disc rental	<1	111	183	286
Commercial and industrial machinery and equipment rental and leasing	<1	474	894	1,575
Lessors of nonfinancial intangible assets	<1	80	3,648	4,554
Legal services	<1	3,056	5,303	8,174
Accounting, tax preparation, bookkeeping, and payroll services	<1	2,799	3,769	5,855
Architectural, engineering, and related services	1	82,201	94,232	177,170
Specialized design services	<1	148	282	451
Custom computer programming services	<1	1,107	1,339	1,879
Computer systems design services	<1	2,761	2,722	3,650
Other computer related services, including facilities management	<1	711	1,110	2,131
Management consulting services	<1	4,529	4,906	8,013
Environmental and other technical consulting services	<1	1,771	1,948	3,030
Scientific research and development services	<1	38,392	49,542	115,620
Advertising, public relations, and related services	<1	1,963	2,887	5,581
Photographic services	<1	69	228	427
Veterinary services	<1	327	418	650
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	454	842	1,911

Appendix

Management of companies and enterprises	<1	12,451	14,210	23,521
Office administrative services	<1	4,876	3,294	6,598
Facilities support services	<1	179	292	574
Employment services	<1	5,903	9,605	13,514
Business support services	<1	2,236	2,120	3,790
Travel arrangement and reservation services	<1	240	342	870
Investigation and security services	<1	782	805	1,161
Services to buildings	<1	1,113	1,742	3,318
Landscape and horticultural services	<1	799	1,078	1,950
Other support services	<1	422	577	1,175
Waste management and remediation services	<1	408	664	1,519
Elementary and secondary schools	<1	315	262	329
Junior colleges, colleges, universities, and professional schools	<1	1,612	2,102	3,092
Other educational services	<1	255	289	722
Offices of physicians	<1	11,316	11,728	15,218
Offices of dentists	<1	2,108	2,486	3,384
Offices of other health practitioners	<1	1,463	1,935	2,661
Outpatient care centers	<1	605	545	1,030
Medical and diagnostic laboratories	<1	324	423	563
Home health care services	<1	994	944	1,237
Other ambulatory health care services	<1	527	574	994
Hospitals	<1	19,496	21,701	42,305
Nursing and community care facilities	<1	2,914	2,734	4,867
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,100	1,051	1,571
Individual and family services	<1	1,274	989	1,510
Child day care services	<1	721	769	1,223
Community food, housing, and other relief services, including rehabilitation services	<1	713	697	1,584
Performing arts companies	<1	125	183	407
Commercial Sports Except Racing	<1	277	165	534
Racing and Track Operation	<1	23	33	70
Independent artists, writers, and performers	<1	301	644	1,535

Appendix

Promoters of performing arts and sports and agents for public figures	<1	464	695	2,332
Museums, historical sites, zoos, and parks	<1	158	185	363
Amusement parks and arcades	<1	38	72	122
Gambling industries (except casino hotels)	<1	415	1,126	1,872
Other amusement and recreation industries	<1	328	393	848
Fitness and recreational sports centers	<1	200	274	537
Bowling centers	<1	49	76	153
Hotels and motels, including casino hotels	<1	276	568	876
Other accommodations	<1	37	59	82
Full-service restaurants	<1	3,838	5,758	10,643
Limited-service restaurants	<1	2,482	4,078	9,140
All other food and drinking places	<1	2,304	3,698	5,908
Automotive repair and maintenance, except car washes	<1	2,727	3,111	4,582
Car washes	<1	1,185	1,843	2,773
Electronic and precision equipment repair and maintenance	<1	519	671	1,105
Commercial and industrial machinery and equipment repair and maintenance	<1	1,798	1,659	2,601
Personal and household goods repair and maintenance	<1	337	568	848
Personal care services	<1	822	743	973
Death care services	<1	221	137	199
Dry-cleaning and laundry services	<1	534	315	431
Other personal services	<1	460	590	832
Religious organizations	<1	3,123	1,245	5,661
Grantmaking, giving, and social advocacy organizations	<1	638	1,916	3,064
Business and professional associations	<1	607	1,056	2,027
Labor and civic organizations	<1	419	1,168	2,442
Private households	<1	201	201	201
Postal service	<1	2,656	2,657	2,851
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	87	-2,050	70
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	136	360	680
Other local government enterprises	<1	1,458	3,117	7,308
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	12,266	18,663	42,696

Investments in Climate Change Research and Technology

Table 750: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, South Dakota

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>107</i>	<i>7,052,854</i>	<i>11,322,791</i>	<i>26,056,848</i>
Oilseed farming	<1	20,569	45,041	81,904
Grain farming	<1	5,940	3,518	40,321
Vegetable and melon farming	<1	64	113	291
Fruit farming	<1	67	128	252
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	721	1,032	2,678
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,206	1,586	4,369
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	4,910	11,357	44,973

Appendix

Dairy cattle and milk production	<1	737	1,403	9,784
Poultry and egg production	<1	469	640	11,196
Animal production, except cattle and poultry and eggs	<1	5,905	11,588	19,874
Forestry, forest products, and timber tract production	<1	53	55	72
Commercial logging	<1	1,084	932	1,339
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	107	392	1,632
Support activities for agriculture and forestry	<1	2,137	1,702	2,242
Oil and gas extraction	<1	1,253	1,301	64,270
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	<1	9,541	10,227	13,035
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,050	600	3,822
Sand and gravel mining	<1	785	782	2,376
Other clay, ceramic, refractory minerals mining	<1	192	151	517
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	4
Support activities for oil and gas operations	<1	14	12	81
Metal mining services	<1	21	20	730
Other nonmetallic minerals services	<1	<1	<1	35
Electric power generation - Hydroelectric	<1	956	2,854	5,972
Electric power generation - Fossil fuel	<1	5,274	21,605	61,242
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	2,171	17,994	38,466
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	31,389	117,744	327,852
Natural gas distribution	<1	5,827	16,215	38,806
Water, sewage and other systems	<1	2,324	4,794	9,383
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	27,442	32,328	89,804
Maintenance and repair construction of residential structures	<1	8,040	9,749	26,398
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	18	22	59
Dog and cat food manufacturing	<1	300	777	3,572
Other animal food manufacturing	<1	555	849	8,191
Flour milling	<1	387	690	5,115
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	94	445	4,284
Fats and oils refining and blending	<1	20	37	369
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	78	115	589
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	8	11	136
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	533	725	3,538
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	2,372	3,277	34,564
Dry, condensed, and evaporated dairy product manufacturing	<1	173	379	3,272
Fluid milk manufacturing	<1	215	323	2,799
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	205	297	622
Poultry processing	<1	4,846	5,806	32,989
Animal, except poultry, slaughtering	<1	6,849	8,260	69,211
Meat processed from carcasses	<1	791	729	6,675
Rendering and meat byproduct processing	<1	56	48	336
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	515	732	2,393
Cookie and cracker manufacturing	<1	673	916	3,777
Dry pasta, mixes, and dough manufacturing	<1	195	398	1,724
Tortilla manufacturing	<1	257	314	1,277
Roasted nuts and peanut butter manufacturing	<1	103	182	905
Other snack food manufacturing	<1	61	78	508
Coffee and tea manufacturing	0	0	0	0
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	2	3	19
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	182	257	1,611

Appendix

Bottled and canned soft drinks & water	<1	166	242	1,927
Manufactured ice	<1	23	12	92
Breweries	<1	181	369	1,732
Wineries	<1	202	298	1,666
Distilleries	<1	22	131	487
Tobacco product manufacturing	<1	46	1,269	3,383
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	6	26
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	2	3	20
Textile bag and canvas mills	<1	186	221	655
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	15	18	79
Hosiery and sock mills	<1	1	2	6
Other apparel knitting mills	<1	3	5	12
Cut and sew apparel contractors	<1	7	11	58
Mens and boys cut and sew apparel manufacturing	<1	5	9	28
Womens and girls cut and sew apparel manufacturing	<1	2	3	60
Other cut and sew apparel manufacturing	<1	2	3	40
Apparel accessories and other apparel manufacturing	<1	<1	2	5
Leather and hide tanning and finishing	<1	10	15	60
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	2
Sawmills	<1	913	1,313	4,892
Wood preservation	<1	182	434	1,677
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	587	806	2,496
Reconstituted wood product manufacturing	<1	243	504	2,119
Wood windows and door manufacturing	<1	3,254	4,263	11,719

Appendix

Cut stock, resawing lumber, and planing	<1	821	1,328	4,025
Other millwork, including flooring	<1	25	38	191
Wood container and pallet manufacturing	<1	507	653	1,852
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	192	249	735
All other miscellaneous wood product manufacturing	<1	196	269	884
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	2,243	3,350	16,179
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	<1	123	184	846
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	17,509	26,091	59,136
Support activities for printing	<1	18	26	41
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	84	227	1,500
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	7,700	6,478	37,109
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	<1	219	201	335
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	636	477	1,490
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	16	13	33
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	5	4	14
Pharmaceutical preparation manufacturing	<1	20	13	64
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	354	261	1,020
Polish and other sanitation good manufacturing	<1	177	151	307
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	47	24	125
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	<1	259	250	430
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	1,277	1,061	3,383
Other miscellaneous chemical product manufacturing	<1	404	338	856
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	797	1,103	4,844
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	98	191	801
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	<1	115	164	732
Urethane and other foam product (except polystyrene) manufacturing	<1	24	33	162
Plastics bottle manufacturing	<1	5	7	39
Other plastics product manufacturing	<1	1,254	1,586	6,999

Appendix

Tire manufacturing	<1	294	389	2,483
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	26	33	173
Pottery, ceramics, and plumbing fixture manufacturing	<1	108	207	322
Brick, tile, and other structural clay product manufacturing	<1	564	1,453	2,233
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	37	92	146
Cement manufacturing	<1	293	1,209	2,343
Ready-mix concrete manufacturing	<1	1,781	4,470	11,141
Concrete block and brick manufacturing	<1	192	544	1,117
Concrete pipe manufacturing	<1	168	428	827
Other concrete product manufacturing	<1	733	1,386	2,815
Lime manufacturing	<1	427	1,643	2,691
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	700	982	2,000
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	20	104	184
Iron and steel mills and ferroalloy manufacturing	<1	281	389	3,357
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	<1	181	239	1,778
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	<1	158	199	1,660
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	28	34	228

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	32	38	129
Nonferrous metal foundries	<1	25	29	103
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	168	218	714
Iron and steel forging	<1	150	252	975
Nonferrous forging	<1	23	35	154
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	2	4	17
Prefabricated metal buildings and components manufacturing	<1	133	196	595
Fabricated structural metal manufacturing	<1	83	126	442
Plate work manufacturing	<1	433	478	1,478
Metal window and door manufacturing	<1	349	491	1,632
Sheet metal work manufacturing	<1	226	306	875
Ornamental and architectural metal work manufacturing	<1	247	330	1,042
Power boiler and heat exchanger manufacturing	<1	31	44	138
Metal tank (heavy gauge) manufacturing	<1	119	154	462
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	23	29	130
Hardware manufacturing	<1	80	129	426
Spring and wire product manufacturing	<1	27	37	126
Machine shops	<1	1,301	1,628	3,749
Turned product and screw, nut, and bolt manufacturing	<1	19	28	112
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	663	1,207	3,493
Electroplating, anodizing, and coloring metal	<1	90	104	252
Valve and fittings, other than plumbing, manufacturing	<1	246	405	1,473

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	317	656	1,213
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	56	108	312
Fabricated pipe and pipe fitting manufacturing	<1	135	170	382
Other fabricated metal manufacturing	<1	134	181	580
Farm machinery and equipment manufacturing	<1	59	103	509
Lawn and garden equipment manufacturing	<1	83	151	786
Construction machinery manufacturing	<1	113	263	873
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	<1	3	3	9
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	2	3	7
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	<1	3	5	16
Other commercial service industry machinery manufacturing	<1	64	107	375
Air purification and ventilation equipment manufacturing	<1	313	423	1,230
Heating equipment (except warm air furnaces) manufacturing	<1	12	19	83
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	42	78	257
Industrial mold manufacturing	<1	13	16	33
Special tool, die, jig, and fixture manufacturing	<1	27	36	69

Appendix

Cutting tool and machine tool accessory manufacturing	<1	29	33	84
Machine tool manufacturing	<1	23	29	101
Rolling mill and other metalworking machinery manufacturing	<1	12	14	34
Turbine and turbine generator set units manufacturing	<1	9	12	60
Speed changer, industrial high-speed drive, and gear manufacturing	<1	69	104	320
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	7	12	39
Air and gas compressor manufacturing	<1	7	13	44
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	22	25	75
Overhead cranes, hoists, and monorail systems manufacturing	<1	19	37	119
Industrial truck, trailer, and stacker manufacturing	<1	64	105	350
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	9	14	47
Packaging machinery manufacturing	<1	5	7	21
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	27	39	111
Fluid power pump and motor manufacturing	<1	12	20	64
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	19	24	75
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	12	17	51
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	<1	8	11	44
Other communications equipment manufacturing	<1	42	63	292
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	<1	89	137	688
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	343	549	3,649
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	72	94	292
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	3	4	16
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	3
Search, detection, and navigation instruments manufacturing	<1	<1	<1	1
Automatic environmental control manufacturing	<1	15	19	60
Industrial process variable instruments manufacturing	<1	14	20	61
Totalizing fluid meter and counting device manufacturing	<1	7	13	46
Electricity and signal testing instruments manufacturing	<1	<1	<1	2
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	0	0	0	0
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	3	5	11
Small electrical appliance manufacturing	<1	4	15	33

Appendix

Household cooking appliance manufacturing	<1	7	24	51
Household refrigerator and home freezer manufacturing	<1	6	21	43
Household laundry equipment manufacturing	<1	13	32	88
Other major household appliance manufacturing	<1	3	10	19
Power, distribution, and specialty transformer manufacturing	<1	3	6	19
Motor and generator manufacturing	<1	16	39	120
Switchgear and switchboard apparatus manufacturing	<1	65	151	429
Relay and industrial control manufacturing	<1	51	90	269
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	0	0	0	0
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	<1	81	147	1,434
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	542	623	2,592
Truck trailer manufacturing	<1	76	88	371
Motor home manufacturing	<1	1,974	2,605	13,870
Travel trailer and camper manufacturing	<1	197	220	1,409
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	663	783	4,192
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	54	60	240
Other motor vehicle parts manufacturing	<1	2,189	2,647	15,148

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	<1	<1	2
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	<1	24	87	205
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	96	184	733
Wood kitchen cabinet and countertop manufacturing	<1	2,175	2,828	7,226
Upholstered household furniture manufacturing	<1	2	2	6
Nonupholstered wood household furniture manufacturing	<1	338	384	1,067
Other household nonupholstered furniture manufacturing	<1	<1	<1	2
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	108	140	431
Custom architectural woodwork and millwork	<1	4	4	15
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	96	130	403
Mattress manufacturing	<1	9	14	62
Blind and shade manufacturing	<1	<1	<1	3
Surgical and medical instrument manufacturing	<1	95	366	555
Surgical appliance and supplies manufacturing	<1	603	2,661	4,116
Dental equipment and supplies manufacturing	<1	7	24	41

Appendix

Ophthalmic goods manufacturing	<1	4	18	28
Dental laboratories	<1	17	18	34
Jewelry and silverware manufacturing	<1	379	996	1,879
Sporting and athletic goods manufacturing	<1	7	17	36
Doll, toy, and game manufacturing	<1	74	246	408
Office supplies (except paper) manufacturing	<1	1,187	3,041	6,737
Sign manufacturing	<1	21,593	20,928	46,693
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	<1	10	14	30
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	60	195	388
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	79	159	412
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,691	11,309	26,231
Wholesale - Professional and commercial equipment and supplies	<1	25,357	41,468	71,418
Wholesale - Household appliances and electrical and electronic goods	<1	33,665	70,686	164,762
Wholesale - Machinery, equipment, and supplies	<1	18,161	31,236	56,480
Wholesale - Other durable goods merchant wholesalers	<1	24,448	37,678	77,404
Wholesale - Drugs and druggists' sundries	<1	7,677	19,507	38,887
Wholesale - Grocery and related product wholesalers	<1	14,009	18,016	36,225
Wholesale - Petroleum and petroleum products	<1	8,114	58,267	75,188
Wholesale - Other nondurable goods merchant wholesalers	<1	44,732	76,599	159,957
Wholesale - Wholesale electronic markets and agents and brokers	<1	20,194	20,749	24,109
Retail - Motor vehicle and parts dealers	<1	19,141	29,802	44,044
Retail - Furniture and home furnishings stores	<1	8,686	11,812	20,324
Retail - Electronics and appliance stores	<1	10,131	9,091	17,162

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Retail - Building material and garden equipment and supplies stores	<1	11,716	21,395	32,434
Retail - Food and beverage stores	<1	24,389	34,440	62,318
Retail - Health and personal care stores	<1	14,589	18,024	29,237
Retail - Gasoline stores	<1	9,123	16,765	33,823
Retail - Clothing and clothing accessories stores	<1	9,049	14,854	32,916
Retail - Sporting goods, hobby, musical instrument and book stores	<1	7,238	10,002	17,933
Retail - General merchandise stores	1	31,241	35,904	65,166
Retail - Miscellaneous store retailers	<1	19,611	21,532	30,801
Retail - Nonstore retailers	<1	17,967	46,750	123,160
Air transportation	<1	21,021	33,398	69,483
Rail transportation	<1	5,868	15,390	25,565
Water transportation	<1	12	16	529
Truck transportation	<1	62,793	71,761	144,615
Transit and ground passenger transportation	<1	15,685	18,763	24,522
Pipeline transportation	<1	8,798	16,674	20,879
Scenic and sightseeing transportation and support activities for transportation	<1	16,179	18,197	38,956
Couriers and messengers	<1	17,896	22,745	39,996
Warehousing and storage	<1	8,511	10,079	28,959
Newspaper publishers	<1	15,624	28,976	39,724
Periodical publishers	<1	2,455	4,202	7,964
Book publishers	<1	264	960	2,497
Directory, mailing list, and other publishers	<1	7,162	22,049	32,969
Greeting card publishing	0	0	0	0
Software publishers	<1	5,208	13,043	15,526
Motion picture and video industries	<1	21,541	45,992	169,483
Sound recording industries	<1	663	3,893	11,353
Radio and television broadcasting	<1	68,335	90,045	266,711
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	4	551,760	1,442,975	2,369,388
Wireless telecommunications carriers (except satellite)	<1	15,260	117,128	235,304

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Satellite, telecommunications resellers, and all other telecommunications	22	2,536,431	4,227,448	9,855,346
Data processing, hosting, and related services	<1	13,142	28,229	95,914
News syndicates, libraries, archives and all other information services	<1	606	819	2,186
Internet publishing and broadcasting and web search portals	<1	9,077	20,288	91,014
Nondepository credit intermediation and related activities	<1	113,897	180,286	263,050
Securities and commodity contracts intermediation and brokerage	<1	29,403	25,651	83,542
Monetary authorities and depository credit intermediation	<1	139,597	766,444	873,119
Other financial investment activities	<1	19,661	23,844	110,384
Direct life insurance carriers	<1	20,977	45,984	75,010
Insurance carriers, except direct life	<1	34,708	130,434	300,733
Insurance agencies, brokerages, and related activities	5	326,389	576,170	1,484,692
Funds, trusts, and other financial vehicles	<1	13,306	59,098	136,071
Other real estate	4	73,729	219,937	697,052
Tenant-occupied housing	<1	11,664	82,103	108,368
Owner-occupied dwellings	0	0	304,859	387,005
Automotive equipment rental and leasing	<1	6,437	17,065	37,624
General and consumer goods rental except video tapes and discs	<1	8,549	12,387	26,701
Video tape and disc rental	<1	1,675	2,817	4,428
Commercial and industrial machinery and equipment rental and leasing	<1	19,479	45,474	82,625
Lessors of nonfinancial intangible assets	<1	1,930	80,520	100,965
Legal services	<1	44,587	75,273	118,989
Accounting, tax preparation, bookkeeping, and payroll services	1	66,285	84,888	137,960
Architectural, engineering, and related services	<1	61,728	68,480	132,556
Specialized design services	<1	3,076	5,317	9,364
Custom computer programming services	<1	25,570	31,368	46,063

Appendix

Computer systems design services	<1	51,744	50,511	69,486
Other computer related services, including facilities management	<1	13,745	21,604	43,436
Management consulting services	<1	32,887	35,375	60,474
Environmental and other technical consulting services	<1	12,607	13,702	21,846
Scientific research and development services	4	211,537	282,867	681,127
Advertising, public relations, and related services	1	50,103	71,077	148,890
Photographic services	<1	992	2,866	5,959
Veterinary services	<1	4,800	5,861	9,495
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	8,120	14,165	35,052
Management of companies and enterprises	<1	108,912	123,607	213,211
Office administrative services	<1	46,584	29,216	66,078
Facilities support services	<1	2,582	4,279	9,380
Employment services	2	81,682	129,620	196,467
Business support services	3	113,127	104,905	201,703
Travel arrangement and reservation services	<1	4,703	6,668	17,404
Investigation and security services	<1	11,875	12,115	18,538
Services to buildings	<1	20,610	31,688	64,810
Landscape and horticultural services	3	86,758	116,321	218,571
Other support services	<1	15,126	20,545	44,379
Waste management and remediation services	<1	9,966	16,254	37,904
Elementary and secondary schools	<1	3,595	3,017	3,861
Junior colleges, colleges, universities, and professional schools	<1	14,286	18,756	29,136
Other educational services	<1	3,290	3,694	9,631
Offices of physicians	1	172,064	176,891	230,671
Offices of dentists	<1	30,779	35,344	48,914
Offices of other health practitioners	<1	22,509	28,604	39,818
Outpatient care centers	<1	8,290	7,392	13,907
Medical and diagnostic laboratories	<1	4,664	5,864	8,053
Home health care services	<1	15,219	14,327	18,857
Other ambulatory health care services	<1	7,702	8,266	14,525

Appendix

Hospitals	3	239,649	269,280	533,423
Nursing and community care facilities	<1	39,121	36,640	67,843
Residential mental retardation, mental health, substance abuse and other facilities	<1	12,740	12,139	18,671
Individual and family services	<1	15,820	11,978	18,756
Child day care services	<1	9,799	9,998	16,573
Community food, housing, and other relief services, including rehabilitation services	<1	8,161	7,921	18,786
Performing arts companies	<1	1,517	2,295	5,774
Commercial Sports Except Racing	<1	4,567	2,875	9,734
Racing and Track Operation	<1	297	448	1,090
Independent artists, writers, and performers	1	12,276	30,483	75,066
Promoters of performing arts and sports and agents for public figures	<1	8,278	13,116	48,576
Museums, historical sites, zoos, and parks	<1	2,100	2,473	5,043
Amusement parks and arcades	<1	457	1,027	1,754
Gambling industries (except casino hotels)	<1	5,257	14,300	24,775
Other amusement and recreation industries	<1	4,695	5,870	13,311
Fitness and recreational sports centers	<1	2,565	3,688	7,622
Bowling centers	<1	696	1,132	2,365
Hotels and motels, including casino hotels	<1	3,647	7,760	12,281
Other accommodations	<1	303	483	684
Full-service restaurants	3	53,410	78,276	151,477
Limited-service restaurants	2	34,690	55,924	133,073
All other food and drinking places	2	32,134	51,494	85,402
Automotive repair and maintenance, except car washes	<1	38,921	47,891	70,718
Car washes	<1	17,630	27,734	42,234
Electronic and precision equipment repair and maintenance	<1	13,061	16,561	28,602
Commercial and industrial machinery and equipment repair and maintenance	<1	28,757	26,575	43,547
Personal and household goods repair and maintenance	<1	5,244	9,429	14,254
Personal care services	<1	10,738	10,322	13,513
Death care services	<1	2,585	2,081	2,850

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Dry-cleaning and laundry services	<1	6,377	4,897	6,302
Other personal services	<1	7,021	9,193	13,209
Religious organizations	<1	39,106	20,456	77,738
Grantmaking, giving, and social advocacy organizations	<1	6,712	22,615	35,894
Business and professional associations	<1	13,592	25,517	49,633
Labor and civic organizations	<1	4,755	14,737	29,910
Private households	<1	2,668	2,668	2,668
Postal service	<1	29,369	29,379	31,602
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	63,009	-1,264,785	48,469
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	0	0	0	0
Local government electric utilities	<1	3,362	10,402	20,019
Other local government enterprises	<1	29,983	72,042	168,961
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	8,444	12,646	28,931

Tennessee

NASA

Table 751: Detailed NASA Impacts by Types of Impact, Tennessee

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>1,645</i>	<i>118,819,114</i>	<i>181,831,460</i>	<i>340,431,226</i>
Oilseed farming	1	-54,778	132,831	288,348
Grain farming	2	-15,277	14,063	253,484
Vegetable and melon farming	2	-11,170	19,474	84,826
Fruit farming	<1	-1,311	1,660	5,449
Tree nut farming	<1	-247	335	1,059
Greenhouse, nursery, and floriculture production	1	5,422	20,937	66,724
Tobacco farming	1	3,446	16,308	52,949
Cotton farming	<1	782	3,951	16,200
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	5	342	7,159	36,215
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	3	-5,414	22,411	108,760
Dairy cattle and milk production	<1	-692	1,930	20,937
Poultry and egg production	<1	251	6,486	84,882
Animal production, except cattle and poultry and eggs	3	-16,039	55,687	115,124
Forestry, forest products, and timber tract production	<1	2,577	2,693	3,317
Commercial logging	<1	31,135	28,490	42,308
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	187	1,621	5,282
Support activities for agriculture and forestry	2	57,956	49,779	65,984
Oil and gas extraction	<1	3,075	2,754	288,181
Coal mining	<1	358	873	1,981
Copper, nickel, lead, and zinc mining	1	66,987	200,843	473,385
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	15,038	44,939	90,059
Sand and gravel mining	<1	12,615	24,422	44,227

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	670	1,162	2,240
Drilling oil and gas wells	<1	1	2	10
Support activities for oil and gas operations	<1	22	28	143
Metal mining services	<1	148	230	2,611
Other nonmetallic minerals services	<1	33	59	421
Electric power generation - Hydroelectric	<1	1,106	4,776	8,597
Electric power generation - Fossil fuel	<1	998	5,425	11,571
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	196	1,166	2,425
Electric power generation - Wind	<1	511	7,501	13,714
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	344	2,595	6,992
Electric power generation - All other	<1	815	853	2,334
Electric power transmission and distribution	<1	60,336	321,420	761,535
Natural gas distribution	<1	28,029	109,048	226,183
Water, sewage and other systems	<1	9,902	26,040	44,058
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	26	1,913,425	1,971,119	4,129,301
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	6	386,920	410,190	1,078,294
Maintenance and repair construction of residential structures	3	163,594	182,503	460,998
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	286	313	808
Dog and cat food manufacturing	<1	17,141	48,311	94,218
Other animal food manufacturing	<1	4,419	8,340	48,898
Flour milling	<1	7,749	14,111	74,305
Rice milling	<1	4,494	7,289	28,687
Malt manufacturing	0	0	0	0
Wet corn milling	<1	27,539	61,629	223,179
Soybean and other oilseed processing	<1	7,685	38,990	247,661
Fats and oils refining and blending	<1	1,353	2,550	20,100
Breakfast cereal manufacturing	<1	12,943	30,430	64,106
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	367	925	4,962
Nonchocolate confectionery manufacturing	<1	11,900	17,790	60,298
Chocolate and confectionery manufacturing from cacao beans	<1	326	484	3,776
Confectionery manufacturing from purchased chocolate	<1	17,024	22,822	76,068
Frozen fruits, juices and vegetables manufacturing	<1	11,911	23,556	74,466
Frozen specialties manufacturing	<1	27,480	37,903	120,202
Canned fruits and vegetables manufacturing	<1	15,147	29,629	71,960
Canned specialties	<1	407	934	3,901
Dehydrated food products manufacturing	<1	14	26	106
Cheese manufacturing	<1	14,465	20,611	192,488
Dry, condensed, and evaporated dairy product manufacturing	<1	9,739	22,313	119,116
Fluid milk manufacturing	<1	12,836	19,843	107,347
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	4,603	6,203	24,477
Frozen cakes and other pastries manufacturing	<1	13,630	19,466	34,678

Appendix

Poultry processing	1	90,225	111,153	451,795
Animal, except poultry, slaughtering	<1	23,254	28,184	190,170
Meat processed from carcasses	<1	39,773	37,919	238,741
Rendering and meat byproduct processing	<1	1,506	1,531	7,362
Seafood product preparation and packaging	<1	442	543	4,154
Bread and bakery product, except frozen, manufacturing	<1	47,422	65,751	147,593
Cookie and cracker manufacturing	<1	41,835	59,046	159,928
Dry pasta, mixes, and dough manufacturing	<1	4,952	10,526	35,434
Tortilla manufacturing	<1	3,672	4,466	12,206
Roasted nuts and peanut butter manufacturing	<1	3,342	5,789	22,377
Other snack food manufacturing	<1	20,280	46,400	142,483
Coffee and tea manufacturing	<1	6,633	11,935	54,397
Flavoring syrup and concentrate manufacturing	<1	100	680	1,745
Mayonnaise, dressing, and sauce manufacturing	<1	3,624	6,840	26,833
Spice and extract manufacturing	<1	270	429	2,191
All other food manufacturing	<1	8,781	12,617	50,537
Bottled and canned soft drinks & water	<1	32,256	56,458	267,138
Manufactured ice	<1	1,463	885	4,082
Breweries	<1	6,925	15,903	66,937
Wineries	<1	6,443	10,730	53,459
Distilleries	<1	35,596	146,608	379,343
Tobacco product manufacturing	<1	19,141	388,088	671,250
Fiber, yarn, and thread mills	<1	8,553	13,400	50,529
Broadwoven fabric mills	<1	505	864	2,483
Narrow fabric mills and schiffli machine embroidery	<1	108	120	363
Nonwoven fabric mills	<1	13,151	24,752	74,024
Knit fabric mills	<1	279	367	1,010
Textile and fabric finishing mills	<1	1,592	2,113	7,914
Fabric coating mills	<1	2,639	3,614	14,374
Carpet and rug mills	<1	1,746	3,114	10,323
Curtain and linen mills	<1	468	623	2,284
Textile bag and canvas mills	<1	2,638	3,216	9,465
Rope, cordage, twine, tire cord and tire fabric mills	<1	5,183	8,130	23,799
Other textile product mills	<1	4,157	5,122	15,583
Hosiery and sock mills	<1	1,878	1,819	4,610

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Other apparel knitting mills	<1	244	332	964
Cut and sew apparel contractors	<1	3,968	3,843	7,181
Mens and boys cut and sew apparel manufacturing	<1	10,492	10,061	24,756
Womens and girls cut and sew apparel manufacturing	<1	253	310	1,401
Other cut and sew apparel manufacturing	<1	601	629	2,187
Apparel accessories and other apparel manufacturing	<1	411	456	1,369
Leather and hide tanning and finishing	<1	278	222	1,993
Footwear manufacturing	<1	612	628	2,505
Other leather and allied product manufacturing	<1	163	164	523
Sawmills	<1	20,487	32,622	131,147
Wood preservation	<1	732	2,016	7,834
Veneer and plywood manufacturing	<1	592	932	4,132
Engineered wood member and truss manufacturing	<1	8,949	13,635	36,664
Reconstituted wood product manufacturing	<1	2,040	4,869	15,426
Wood windows and door manufacturing	<1	28,405	39,679	99,346
Cut stock, resawing lumber, and planing	<1	3,649	6,549	18,515
Other millwork, including flooring	<1	10,740	17,483	50,893
Wood container and pallet manufacturing	<1	14,672	20,250	56,391
Manufactured home (mobile home) manufacturing	<1	298	375	900
Prefabricated wood building manufacturing	<1	8,481	11,755	29,585
All other miscellaneous wood product manufacturing	<1	4,389	6,603	22,342
Pulp mills	<1	1,600	3,018	9,288
Paper mills	<1	42,348	123,857	326,380
Paperboard mills	<1	40,792	123,555	335,207
Paperboard container manufacturing	1	89,588	164,834	598,906
Paper bag and coated and treated paper manufacturing	<1	28,131	66,056	196,428
Stationery product manufacturing	<1	8,605	15,307	43,594
Sanitary paper product manufacturing	<1	11,551	48,334	115,071
All other converted paper product manufacturing	<1	6,673	11,570	36,576

Appendix

Printing	4	257,559	501,440	899,517
Support activities for printing	<1	29,549	53,233	73,205
Petroleum refineries	<1	42,959	257,389	1,126,795
Asphalt paving mixture and block manufacturing	<1	4,511	6,790	34,172
Asphalt shingle and coating materials manufacturing	<1	4,492	14,101	35,223
Petroleum lubricating oil and grease manufacturing	<1	1,931	5,986	14,211
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	1,357	9,472	62,015
Industrial gas manufacturing	<1	7,890	15,176	56,022
Synthetic dye and pigment manufacturing	<1	3,572	6,309	19,759
Other basic inorganic chemical manufacturing	<1	11,242	21,823	76,678
Other basic organic chemical manufacturing	<1	9,523	17,913	135,217
Plastics material and resin manufacturing	<1	14,732	23,816	194,159
Synthetic rubber manufacturing	<1	47,475	67,491	291,105
Artificial and synthetic fibers and filaments manufacturing	<1	32,026	44,362	187,855
Nitrogenous fertilizer manufacturing	<1	185	406	1,650
Phosphatic fertilizer manufacturing	<1	94	183	793
Fertilizer mixing	<1	162	298	1,407
Pesticide and other agricultural chemical manufacturing	<1	29,703	75,662	282,524
Medicinal and botanical manufacturing	<1	1,146	1,722	7,451
Pharmaceutical preparation manufacturing	<1	17,567	52,114	170,576
In-vitro diagnostic substance manufacturing	<1	65	87	204
Biological product (except diagnostic) manufacturing	<1	697	1,262	2,814
Paint and coating manufacturing	<1	9,642	16,680	61,161
Adhesive manufacturing	<1	2,557	3,808	14,777
Soap and other detergent manufacturing	<1	9,491	25,556	99,259
Polish and other sanitation good manufacturing	<1	4,167	6,031	22,082
Surface active agent manufacturing	<1	973	2,761	10,138
Toilet preparation manufacturing	<1	19,733	54,569	179,243
Printing ink manufacturing	<1	1,364	1,496	6,038

Appendix

Explosives manufacturing	<1	1,685	1,912	6,322
Custom compounding of purchased resins	<1	8,016	13,196	52,672
Photographic film and chemical manufacturing	<1	1,248	2,587	13,629
Other miscellaneous chemical product manufacturing	<1	5,582	8,638	35,583
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	10,804	19,208	67,691
Unlaminated plastics profile shape manufacturing	<1	7,682	18,470	50,836
Plastics pipe and pipe fitting manufacturing	<1	4,226	12,797	40,553
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	2,308	4,664	13,170
Polystyrene foam product manufacturing	<1	3,885	7,167	27,014
Urethane and other foam product (except polystyrene) manufacturing	<1	4,967	8,777	39,335
Plastics bottle manufacturing	<1	4,447	7,703	34,416
Other plastics product manufacturing	1	63,126	98,275	327,595
Tire manufacturing	<1	47,385	76,964	294,289
Rubber and plastics hoses and belting manufacturing	<1	5,182	8,221	23,625
Other rubber product manufacturing	<1	14,115	21,189	73,217
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,368	7,702	16,822
Brick, tile, and other structural clay product manufacturing	<1	9,624	16,467	38,702
Flat glass manufacturing	<1	7,420	15,103	32,535
Other pressed and blown glass and glassware manufacturing	<1	4,595	7,931	16,803
Glass container manufacturing	<1	140	224	500
Glass product manufacturing made of purchased glass	<1	7,937	13,481	34,628
Cement manufacturing	<1	6,187	14,600	36,946
Ready-mix concrete manufacturing	<1	33,794	56,939	182,215
Concrete block and brick manufacturing	<1	12,516	22,455	57,410
Concrete pipe manufacturing	<1	6,040	10,004	26,632
Other concrete product manufacturing	<1	37,274	51,555	117,029
Lime manufacturing	<1	1,824	4,301	12,300
Gypsum product manufacturing	<1	4,134	10,709	31,199

Appendix

Abrasive product manufacturing	<1	820	2,176	3,610
Cut stone and stone product manufacturing	<1	7,303	8,690	19,043
Ground or treated mineral and earth manufacturing	<1	6,392	16,498	34,625
Mineral wool manufacturing	<1	1,828	4,182	9,859
Miscellaneous nonmetallic mineral products manufacturing	<1	1,883	5,099	10,491
Iron and steel mills and ferroalloy manufacturing	<1	9,707	18,595	132,858
Iron, steel pipe and tube manufacturing from purchased steel	<1	2,050	3,559	16,909
Rolled steel shape manufacturing	<1	5,087	11,014	56,192
Steel wire drawing	<1	1,273	1,860	8,768
Alumina refining and primary aluminum production	<1	904	1,401	7,941
Secondary smelting and alloying of aluminum	<1	1,418	2,562	20,756
Aluminum sheet, plate, and foil manufacturing	<1	20,870	41,656	154,219
Other aluminum rolling, drawing and extruding	<1	2,031	2,932	15,690
Nonferrous metal (exc aluminum) smelting and refining	<1	236	1,057	4,083
Copper rolling, drawing, extruding and alloying	<1	3,199	4,953	43,698
Nonferrous metal, except copper and aluminum, shaping	<1	1,652	2,057	8,847
Secondary processing of other nonferrous metals	<1	405	740	4,054
Ferrous metal foundries	<1	5,048	7,588	19,721
Nonferrous metal foundries	<1	9,317	13,501	33,361
Custom roll forming	<1	686	1,163	6,989
Crown and closure manufacturing and metal stamping	<1	9,411	11,876	35,790
Iron and steel forging	<1	4,687	7,578	27,840
Nonferrous forging	<1	278	403	1,515
Cutlery, utensil, pot, and pan manufacturing	<1	8,729	22,416	53,447
Handtool manufacturing	<1	3,786	6,120	12,879
Prefabricated metal buildings and components manufacturing	<1	26,140	36,297	106,270
Fabricated structural metal manufacturing	<1	34,145	49,881	153,129
Plate work manufacturing	<1	6,695	7,299	18,303
Metal window and door manufacturing	<1	11,039	14,916	40,420
Sheet metal work manufacturing	<1	8,987	11,834	30,837

Appendix

Ornamental and architectural metal work manufacturing	<1	6,389	8,267	24,484
Power boiler and heat exchanger manufacturing	<1	504	725	2,139
Metal tank (heavy gauge) manufacturing	<1	4,791	6,068	17,590
Metal cans manufacturing	<1	1,807	4,002	19,425
Metal barrels, drums and pails manufacturing	<1	557	697	3,337
Hardware manufacturing	<1	1,597	2,505	8,975
Spring and wire product manufacturing	<1	5,357	7,333	24,531
Machine shops	<1	18,076	22,111	47,451
Turned product and screw, nut, and bolt manufacturing	<1	9,363	13,661	35,748
Metal heat treating	<1	3,017	4,365	11,590
Metal coating and nonprecious engraving	<1	7,841	13,686	36,517
Electroplating, anodizing, and coloring metal	<1	4,643	5,302	12,839
Valve and fittings, other than plumbing, manufacturing	<1	8,015	12,656	36,056
Plumbing fixture fitting and trim manufacturing	<1	5,087	14,049	56,126
Ball and roller bearing manufacturing	<1	3,174	5,706	15,769
Small arms ammunition manufacturing	<1	6,360	13,019	25,084
Ammunition, except for small arms, manufacturing	<1	10,012	12,077	22,746
Small arms, ordnance, and accessories manufacturing	<1	3,821	7,080	15,239
Fabricated pipe and pipe fitting manufacturing	<1	3,739	4,651	13,980
Other fabricated metal manufacturing	<1	79,624	102,870	246,926
Farm machinery and equipment manufacturing	<1	304	537	2,045
Lawn and garden equipment manufacturing	<1	1,957	3,682	18,162
Construction machinery manufacturing	<1	1,388	3,297	9,393
Mining machinery and equipment manufacturing	<1	29	49	148
Oil and gas field machinery and equipment manufacturing	<1	15	26	87
Semiconductor machinery manufacturing	<1	102	122	502
Food product machinery manufacturing	<1	8	10	26

Appendix

Sawmill, woodworking, and paper machinery	<1	165	189	577
Printing machinery and equipment manufacturing	<1	18	21	122
All other industrial machinery manufacturing	<1	217	288	793
Optical instrument and lens manufacturing	<1	10	15	41
Photographic and photocopying equipment manufacturing	<1	40	55	189
Other commercial service industry machinery manufacturing	<1	2,991	5,294	17,050
Air purification and ventilation equipment manufacturing	<1	393	562	1,446
Heating equipment (except warm air furnaces) manufacturing	<1	6,181	9,885	30,207
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	17,258	33,243	102,930
Industrial mold manufacturing	<1	339	404	883
Special tool, die, jig, and fixture manufacturing	<1	1,502	2,042	4,005
Cutting tool and machine tool accessory manufacturing	<1	1,219	1,398	3,050
Machine tool manufacturing	<1	182	238	736
Rolling mill and other metalworking machinery manufacturing	<1	362	443	923
Turbine and turbine generator set units manufacturing	<1	2	2	6
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,010	1,583	4,221
Mechanical power transmission equipment manufacturing	<1	701	1,183	3,383
Other engine equipment manufacturing	<1	10,601	23,828	87,159
Pump and pumping equipment manufacturing	<1	376	709	2,063
Air and gas compressor manufacturing	<1	35	69	262
Elevator and moving stairway manufacturing	<1	883	1,318	4,206
Conveyor and conveying equipment manufacturing	<1	274	314	876
Overhead cranes, hoists, and monorail systems manufacturing	<1	39	69	263
Industrial truck, trailer, and stacker manufacturing	<1	85	143	414

Appendix

Power-driven handtool manufacturing	<1	629	1,756	5,981
Welding and soldering equipment manufacturing	<1	423	635	1,794
Packaging machinery manufacturing	<1	42	63	194
Industrial process furnace and oven manufacturing	<1	35	43	116
Fluid power cylinder and actuator manufacturing	<1	1,018	1,494	4,230
Fluid power pump and motor manufacturing	<1	1,513	2,530	8,051
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	517	652	1,839
Electronic computer manufacturing	<1	268	600	2,819
Computer storage device manufacturing	<1	587	1,538	6,114
Computer terminals and other computer peripheral equipment manufacturing	<1	69	125	477
Telephone apparatus manufacturing	<1	224	348	631
Broadcast and wireless communications equipment manufacturing	<1	62	100	290
Other communications equipment manufacturing	<1	1,960	3,275	5,922
Audio and video equipment manufacturing	<1	659	1,159	3,818
Printed circuit assembly (electronic assembly) manufacturing	<1	13,491	24,377	76,460
Bare printed circuit board manufacturing	<1	172	233	623
Semiconductor and related device manufacturing	<1	102	179	621
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,231	3,258	8,707
Electronic connector manufacturing	<1	999	1,575	4,604
Other electronic component manufacturing	<1	735	1,020	3,104
Electromedical and electrotherapeutic apparatus manufacturing	<1	319	632	1,351
Search, detection, and navigation instruments manufacturing	<1	1	2	4
Automatic environmental control manufacturing	1	93,370	128,999	311,724

Appendix

Industrial process variable instruments manufacturing	<1	515	840	2,099
Totalizing fluid meter and counting device manufacturing	<1	12	28	58
Electricity and signal testing instruments manufacturing	<1	416	698	2,732
Analytical laboratory instrument manufacturing	<1	31,699	56,501	129,036
Irradiation apparatus manufacturing	<1	45	94	240
Watch, clock, and other measuring and controlling device manufacturing	<1	603	1,152	2,716
Blank magnetic and optical recording media manufacturing	<1	1,417	4,505	14,267
Software and other prerecorded and record reproducing	<1	17,699	27,412	89,733
Electric lamp bulb and part manufacturing	<1	358	985	2,395
Lighting fixture manufacturing	<1	34,834	64,043	129,945
Small electrical appliance manufacturing	<1	9,130	28,725	73,031
Household cooking appliance manufacturing	<1	17,163	54,871	134,273
Household refrigerator and home freezer manufacturing	<1	18,116	60,834	142,853
Household laundry equipment manufacturing	<1	42,081	99,358	317,116
Other major household appliance manufacturing	<1	7,054	25,614	56,066
Power, distribution, and specialty transformer manufacturing	<1	11,835	22,060	51,495
Motor and generator manufacturing	<1	2,181	4,971	13,123
Switchgear and switchboard apparatus manufacturing	<1	87,753	194,620	389,161
Relay and industrial control manufacturing	<1	672	1,120	3,224
Storage battery manufacturing	<1	9,869	17,304	35,935
Primary battery manufacturing	<1	19,628	69,792	92,035
Fiber optic cable manufacturing	<1	5,858	8,190	41,226
Other communication and energy wire manufacturing	<1	626	1,223	4,686
Wiring device manufacturing	<1	4,394	11,472	25,754
Carbon and graphite product manufacturing	<1	89,314	197,596	416,887
All other miscellaneous electrical equipment and component manufacturing	<1	2,910	3,703	13,406
Automobile manufacturing	<1	51,757	163,237	619,921

Appendix

Light truck and utility vehicle manufacturing	<1	11,105	19,646	210,922
Heavy duty truck manufacturing	<1	100	227	797
Motor vehicle body manufacturing	<1	919	1,194	5,108
Truck trailer manufacturing	<1	59	70	284
Motor home manufacturing	<1	10,629	15,091	77,157
Travel trailer and camper manufacturing	<1	3,837	4,213	21,244
Motor vehicle gasoline engine and engine parts manufacturing	<1	32,503	46,699	284,698
Motor vehicle electrical and electronic equipment manufacturing	<1	51,716	62,676	330,475
Motor vehicle transmission and power train parts manufacturing	1	60,181	89,900	588,630
Motor vehicle seating and interior trim manufacturing	<1	12,543	14,227	88,873
Motor vehicle metal stamping	<1	42,082	50,266	199,942
Other motor vehicle parts manufacturing	<1	63,788	81,480	413,501
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	34,282	52,822	234,019
Aircraft manufacturing	<1	49	65	401
Aircraft engine and engine parts manufacturing	<1	229	353	1,429
Other aircraft parts and auxiliary equipment manufacturing	2	169,971	195,841	507,517
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	42	45	295
Ship building and repairing	<1	540	577	1,281
Boat building	<1	30,419	35,905	128,251
Motorcycle, bicycle, and parts manufacturing	<1	649	1,100	5,075
Military armored vehicle, tank, and tank component manufacturing	<1	358	450	2,663
All other transportation equipment manufacturing	<1	2,589	3,722	24,401
Wood kitchen cabinet and countertop manufacturing	<1	7,277	8,349	21,938
Upholstered household furniture manufacturing	<1	20,308	21,898	72,551

Appendix

Nonupholstered wood household furniture manufacturing	<1	2,163	2,324	7,350
Other household nonupholstered furniture manufacturing	<1	1,327	1,700	5,194
Institutional furniture manufacturing	<1	200	211	720
Wood office furniture manufacturing	<1	159	184	700
Custom architectural woodwork and millwork	<1	253	232	734
Office furniture, except wood, manufacturing	<1	8,092	10,504	41,301
Showcase, partition, shelving, and locker manufacturing	<1	2,302	2,722	8,147
Mattress manufacturing	<1	2,482	3,365	15,892
Blind and shade manufacturing	<1	166	171	710
Surgical and medical instrument manufacturing	<1	3,150	5,915	10,870
Surgical appliance and supplies manufacturing	<1	39,632	79,777	146,221
Dental equipment and supplies manufacturing	<1	51	90	279
Ophthalmic goods manufacturing	<1	698	1,407	2,827
Dental laboratories	<1	3,544	3,698	6,829
Jewelry and silverware manufacturing	<1	4,577	7,444	19,859
Sporting and athletic goods manufacturing	<1	4,060	5,836	15,639
Doll, toy, and game manufacturing	<1	1,941	3,248	9,127
Office supplies (except paper) manufacturing	<1	9,185	13,751	37,307
Sign manufacturing	<1	15,390	14,253	34,591
Gasket, packing, and sealing device manufacturing	<1	2,490	3,176	7,348
Musical instrument manufacturing	<1	3,493	3,804	8,231
Fasteners, buttons, needles, and pins manufacturing	<1	610	830	1,952
Broom, brush, and mop manufacturing	<1	6,437	10,134	27,416
Burial casket manufacturing	<1	2,009	2,570	5,446
All other miscellaneous manufacturing	<1	2,347	3,215	8,782
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	74,147	161,155	351,322
Wholesale - Professional and commercial equipment and supplies	4	491,780	782,485	1,337,376

Appendix

Wholesale - Household appliances and electrical and electronic goods	3	346,149	790,019	1,650,771
Wholesale - Machinery, equipment, and supplies	2	160,436	298,508	513,314
Wholesale - Other durable goods merchant wholesalers	5	365,441	620,861	1,183,524
Wholesale - Drugs and druggists' sundries	2	230,449	619,984	1,204,703
Wholesale - Grocery and related product wholesalers	3	266,393	356,376	676,509
Wholesale - Petroleum and petroleum products	<1	38,821	680,329	763,886
Wholesale - Other nondurable goods merchant wholesalers	6	456,189	985,695	1,742,397
Wholesale - Wholesale electronic markets and agents and brokers	3	288,374	299,351	347,012
Retail - Motor vehicle and parts dealers	6	356,942	558,667	806,736
Retail - Furniture and home furnishings stores	4	191,117	246,956	385,994
Retail - Electronics and appliance stores	4	212,198	208,191	337,183
Retail - Building material and garden equipment and supplies stores	6	256,209	463,396	680,065
Retail - Food and beverage stores	16	529,898	703,452	1,150,510
Retail - Health and personal care stores	8	381,413	467,447	702,456
Retail - Gasoline stores	5	189,342	301,069	535,767
Retail - Clothing and clothing accessories stores	8	247,371	380,585	766,301
Retail - Sporting goods, hobby, musical instrument and book stores	5	149,540	197,868	317,300
Retail - General merchandise stores	17	538,086	794,810	1,289,307
Retail - Miscellaneous store retailers	10	296,111	357,508	556,626
Retail - Nonstore retailers	12	353,532	956,926	1,940,754
Air transportation	2	128,326	408,938	747,428
Rail transportation	<1	75,078	179,360	325,005
Water transportation	<1	35,190	54,792	233,136
Truck transportation	11	728,396	861,009	1,691,171
Transit and ground passenger transportation	15	243,189	279,723	434,606
Pipeline transportation	<1	274,577	258,239	258,900
Scenic and sightseeing transportation and support activities for transportation	5	332,331	364,896	759,449

Appendix

Couriers and messengers	5	420,030	525,472	697,632
Warehousing and storage	11	471,683	524,262	986,481
Newspaper publishers	2	75,686	126,200	165,508
Periodical publishers	<1	78,327	121,623	193,236
Book publishers	<1	57,476	167,200	256,398
Directory, mailing list, and other publishers	<1	53,075	141,857	222,206
Greeting card publishing	<1	3,912	10,365	15,838
Software publishers	3	338,177	746,260	849,361
Motion picture and video industries	6	421,761	600,828	1,421,437
Sound recording industries	<1	44,095	170,554	264,922
Radio and television broadcasting	3	241,347	307,742	1,099,071
Cable and other subscription programming	<1	105,464	586,076	1,511,696
Wired telecommunications carriers	6	586,035	1,209,877	2,471,097
Wireless telecommunications carriers (except satellite)	1	130,835	719,354	2,114,067
Satellite, telecommunications resellers, and all other telecommunications	10	1,212,864	1,710,281	4,200,695
Data processing, hosting, and related services	4	437,058	844,226	2,113,413
News syndicates, libraries, archives and all other information services	<1	9,729	12,931	38,769
Internet publishing and broadcasting and web search portals	2	175,467	413,166	1,743,919
Nondepository credit intermediation and related activities	8	652,661	821,488	1,464,303
Securities and commodity contracts intermediation and brokerage	11	827,135	763,195	1,488,056
Monetary authorities and depository credit intermediation	15	1,422,453	3,493,711	6,051,494
Other financial investment activities	8	542,897	710,478	1,761,980
Direct life insurance carriers	3	281,492	541,615	793,311
Insurance carriers, except direct life	7	635,600	1,972,670	4,240,698
Insurance agencies, brokerages, and related activities	12	952,131	1,425,268	3,404,878
Funds, trusts, and other financial vehicles	3	147,709	207,307	949,342
Other real estate	54	1,801,917	4,527,815	10,922,504
Tenant-occupied housing	6	192,996	1,784,352	2,046,150

Appendix

Owner-occupied dwellings	0	0	6,444,256	8,180,699
Automotive equipment rental and leasing	3	159,660	446,902	685,374
General and consumer goods rental except video tapes and discs	3	140,513	180,367	328,393
Video tape and disc rental	<1	28,836	47,765	73,817
Commercial and industrial machinery and equipment rental and leasing	2	184,131	453,785	681,548
Lessors of nonfinancial intangible assets	<1	34,055	630,203	720,626
Legal services	13	1,013,071	1,826,571	2,540,858
Accounting, tax preparation, bookkeeping, and payroll services	18	1,648,472	2,054,596	2,839,401
Architectural, engineering, and related services	7	564,863	614,870	1,078,030
Specialized design services	2	111,524	170,365	258,918
Custom computer programming services	4	358,428	418,616	580,590
Computer systems design services	8	714,174	735,260	942,284
Other computer related services, including facilities management	<1	86,769	160,499	261,271
Management consulting services	22	1,807,283	1,885,888	3,063,335
Environmental and other technical consulting services	4	339,969	356,551	532,429
Scientific research and development services	58	4,561,163	5,807,739	12,039,243
Advertising, public relations, and related services	10	788,675	1,002,770	1,743,299
Photographic services	1	48,485	117,505	233,037
Veterinary services	2	90,460	108,445	174,240
Marketing research and all other miscellaneous professional, scientific, and technical services	338	31,068,068	51,489,746	89,325,681
Management of companies and enterprises	29	3,745,075	4,091,135	6,733,370
Office administrative services	17	1,208,702	515,896	1,199,476
Facilities support services	6	250,695	361,748	849,267
Employment services	99	3,643,760	5,178,190	8,103,359
Business support services	14	628,196	531,024	935,240
Travel arrangement and reservation services	2	116,821	148,914	342,545
Investigation and security services	14	533,895	528,872	783,086
Services to buildings	13	418,166	565,387	1,043,431
Landscape and horticultural services	10	377,617	461,066	815,730

Appendix

Other support services	4	289,271	363,055	608,773
Waste management and remediation services	3	208,913	350,853	641,650
Elementary and secondary schools	6	249,701	218,717	257,077
Junior colleges, colleges, universities, and professional schools	23	1,049,234	1,479,450	1,958,227
Other educational services	4	161,190	184,965	360,888
Offices of physicians	20	2,419,799	2,502,457	3,401,034
Offices of dentists	6	463,389	532,291	740,058
Offices of other health practitioners	6	377,512	478,017	630,435
Outpatient care centers	7	552,487	505,485	825,169
Medical and diagnostic laboratories	2	192,371	241,979	346,344
Home health care services	8	491,990	469,830	571,489
Other ambulatory health care services	2	151,142	162,025	248,237
Hospitals	31	4,170,989	3,990,828	6,756,122
Nursing and community care facilities	12	519,469	573,218	992,961
Residential mental retardation, mental health, substance abuse and other facilities	5	200,058	211,523	329,283
Individual and family services	15	428,181	357,795	549,716
Child day care services	6	153,983	201,700	291,747
Community food, housing, and other relief services, including rehabilitation services	3	107,854	107,894	243,461
Performing arts companies	3	203,891	283,408	352,204
Commercial Sports Except Racing	4	348,625	357,921	414,348
Racing and Track Operation	<1	13,952	25,358	35,843
Independent artists, writers, and performers	3	209,046	632,459	732,100
Promoters of performing arts and sports and agents for public figures	3	179,105	316,458	422,101
Museums, historical sites, zoos, and parks	<1	35,296	48,337	83,890
Amusement parks and arcades	<1	18,106	52,172	67,343
Gambling industries (except casino hotels)	3	132,878	251,253	388,953
Other amusement and recreation industries	4	113,488	156,277	273,926
Fitness and recreational sports centers	3	65,220	103,174	172,425
Bowling centers	<1	12,930	22,614	37,098

Appendix

Hotels and motels, including casino hotels	5	201,842	412,222	603,753
Other accommodations	1	56,687	82,288	109,951
Full-service restaurants	41	1,111,076	1,640,972	2,758,576
Limited-service restaurants	32	708,474	1,155,602	2,478,558
All other food and drinking places	26	810,384	1,228,936	1,795,547
Automotive repair and maintenance, except car washes	9	525,456	646,715	925,352
Car washes	5	283,655	441,754	652,321
Electronic and precision equipment repair and maintenance	41	2,769,993	3,231,301	5,360,428
Commercial and industrial machinery and equipment repair and maintenance	5	348,093	351,523	520,443
Personal and household goods repair and maintenance	2	108,101	193,226	268,462
Personal care services	8	231,112	213,855	282,477
Death care services	2	54,755	39,547	56,373
Dry-cleaning and laundry services	5	151,376	103,403	138,428
Other personal services	5	171,282	211,623	308,375
Religious organizations	10	440,473	218,068	825,877
Grantmaking, giving, and social advocacy organizations	2	103,827	334,854	501,166
Business and professional associations	1	103,708	183,693	320,474
Labor and civic organizations	4	74,110	218,969	444,332
Private households	6	101,033	101,018	101,018
Postal service	4	386,542	386,702	412,415
Federal electric utilities	1	255,511	501,492	1,832,302
Other federal government enterprises	12	611,080	616,769	2,712,396
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	7,847	9,203	14,910
Local government passenger transit	<1	33,481	-31,303	16,733
Local government electric utilities	2	203,562	512,458	1,039,259
Other local government enterprises	5	419,132	836,667	1,677,788
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	75	13,544,926	16,006,930	36,560,342

Moon to Mars Campaign

Table 752: Detailed M2M Campaign Impacts by Types of Impact, Tennessee

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	57	5,271,284	7,382,495	14,749,839
Oilseed farming	<1	-2,602	8,769	21,221
Grain farming	<1	-608	597	10,199
Vegetable and melon farming	<1	-513	916	3,984
Fruit farming	<1	-67	86	282
Tree nut farming	<1	-16	22	68
Greenhouse, nursery, and floriculture production	<1	214	839	2,650
Tobacco farming	<1	272	1,353	4,620
Cotton farming	<1	25	132	532
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	13	274	1,379
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-250	926	4,183
Dairy cattle and milk production	<1	-36	94	971
Poultry and egg production	<1	10	285	3,364
Animal production, except cattle and poultry and eggs	<1	-549	2,180	4,550
Forestry, forest products, and timber tract production	<1	112	117	141
Commercial logging	<1	709	640	921
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	13	76	238
Support activities for agriculture and forestry	<1	2,477	2,124	2,815
Oil and gas extraction	<1	63	69	7,796

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Coal mining	<1	8	19	44
Copper, nickel, lead, and zinc mining	<1	1,252	4,048	8,924
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	354	900	1,837
Sand and gravel mining	<1	240	422	751
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	31	51	98
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	3
Metal mining services	<1	3	6	68
Other nonmetallic minerals services	<1	<1	1	8
Electric power generation - Hydroelectric	<1	36	154	272
Electric power generation - Fossil fuel	<1	44	233	458
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	6	36	74
Electric power generation - Wind	<1	14	211	378
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	10	85	213
Electric power generation - All other	<1	35	38	93
Electric power transmission and distribution	<1	2,232	11,982	26,919
Natural gas distribution	<1	1,127	4,520	9,003
Water, sewage and other systems	<1	412	1,081	1,742
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	11,621	12,409	32,071
Maintenance and repair construction of residential structures	<1	7,904	8,854	22,001
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	13	15	38
Dog and cat food manufacturing	<1	678	2,006	3,797
Other animal food manufacturing	<1	198	389	2,188
Flour milling	<1	304	562	2,944
Rice milling	<1	215	339	1,355
Malt manufacturing	0	0	0	0
Wet corn milling	<1	1,049	2,451	8,693
Soybean and other oilseed processing	<1	367	1,894	11,689
Fats and oils refining and blending	<1	73	142	1,063
Breakfast cereal manufacturing	<1	446	1,080	2,142
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	24	61	315
Nonchocolate confectionery manufacturing	<1	660	986	3,201
Chocolate and confectionery manufacturing from cacao beans	<1	22	33	252
Confectionery manufacturing from purchased chocolate	<1	795	1,085	3,381
Frozen fruits, juices and vegetables manufacturing	<1	608	1,248	3,589
Frozen specialties manufacturing	<1	1,288	1,787	5,602
Canned fruits and vegetables manufacturing	<1	881	1,744	4,125

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Canned specialties	<1	20	46	188
Dehydrated food products manufacturing	<1	<1	1	6
Cheese manufacturing	<1	682	971	9,176
Dry, condensed, and evaporated dairy product manufacturing	<1	568	1,350	6,605
Fluid milk manufacturing	<1	606	963	5,142
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	207	288	1,054
Frozen cakes and other pastries manufacturing	<1	678	964	1,700
Poultry processing	<1	3,488	4,450	17,531
Animal, except poultry, slaughtering	<1	882	1,086	7,221
Meat processed from carcasses	<1	1,903	1,838	11,453
Rendering and meat byproduct processing	<1	78	79	377
Seafood product preparation and packaging	<1	18	23	171
Bread and bakery product, except frozen, manufacturing	<1	2,280	3,178	7,070
Cookie and cracker manufacturing	<1	2,268	3,390	8,410
Dry pasta, mixes, and dough manufacturing	<1	226	486	1,693
Tortilla manufacturing	<1	167	202	550
Roasted nuts and peanut butter manufacturing	<1	173	314	1,136
Other snack food manufacturing	<1	976	2,276	6,810
Coffee and tea manufacturing	<1	286	534	2,353
Flavoring syrup and concentrate manufacturing	<1	6	38	98
Mayonnaise, dressing, and sauce manufacturing	<1	184	343	1,305
Spice and extract manufacturing	<1	17	28	133
All other food manufacturing	<1	466	671	2,605
Bottled and canned soft drinks & water	<1	1,444	2,599	11,953
Manufactured ice	<1	69	45	185
Breweries	<1	311	750	3,076
Wineries	<1	383	647	3,092
Distilleries	<1	1,676	7,117	17,542
Tobacco product manufacturing	<1	1,135	27,396	43,426
Fiber, yarn, and thread mills	<1	284	496	1,673
Broadwoven fabric mills	<1	18	34	91
Narrow fabric mills and schiffli machine embroidery	<1	6	7	21

Appendix

Nonwoven fabric mills	<1	726	1,458	3,976
Knit fabric mills	<1	18	23	63
Textile and fabric finishing mills	<1	103	136	495
Fabric coating mills	<1	149	201	766
Carpet and rug mills	<1	77	159	442
Curtain and linen mills	<1	24	33	118
Textile bag and canvas mills	<1	118	147	418
Rope, cordage, twine, tire cord and tire fabric mills	<1	159	263	735
Other textile product mills	<1	172	215	628
Hosiery and sock mills	<1	82	83	190
Other apparel knitting mills	<1	13	18	50
Cut and sew apparel contractors	<1	186	179	326
Mens and boys cut and sew apparel manufacturing	<1	476	461	1,065
Womens and girls cut and sew apparel manufacturing	<1	17	21	90
Other cut and sew apparel manufacturing	<1	37	38	127
Apparel accessories and other apparel manufacturing	<1	24	27	75
Leather and hide tanning and finishing	<1	13	11	93
Footwear manufacturing	<1	31	32	121
Other leather and allied product manufacturing	<1	9	9	29
Sawmills	<1	380	620	2,516
Wood preservation	<1	12	35	130
Veneer and plywood manufacturing	<1	11	19	82
Engineered wood member and truss manufacturing	<1	171	259	694
Reconstituted wood product manufacturing	<1	41	99	304
Wood windows and door manufacturing	<1	657	928	2,297
Cut stock, resawing lumber, and planing	<1	92	170	471
Other millwork, including flooring	<1	262	432	1,216
Wood container and pallet manufacturing	<1	491	689	1,871
Manufactured home (mobile home) manufacturing	<1	3	3	8
Prefabricated wood building manufacturing	<1	81	114	296
All other miscellaneous wood product manufacturing	<1	170	268	820
Pulp mills	<1	23	43	134

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Paper mills	<1	1,058	2,890	8,100
Paperboard mills	<1	411	1,259	3,407
Paperboard container manufacturing	<1	2,064	3,833	13,856
Paper bag and coated and treated paper manufacturing	<1	822	1,863	5,543
Stationery product manufacturing	<1	338	592	1,645
Sanitary paper product manufacturing	<1	465	1,824	4,557
All other converted paper product manufacturing	<1	217	376	1,223
Printing	<1	6,518	12,876	22,236
Support activities for printing	<1	371	669	906
Petroleum refineries	<1	1,308	7,723	33,874
Asphalt paving mixture and block manufacturing	<1	105	156	770
Asphalt shingle and coating materials manufacturing	<1	94	291	724
Petroleum lubricating oil and grease manufacturing	<1	91	287	668
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	41	286	1,883
Industrial gas manufacturing	<1	267	532	1,895
Synthetic dye and pigment manufacturing	<1	140	253	816
Other basic inorganic chemical manufacturing	<1	384	800	2,718
Other basic organic chemical manufacturing	<1	290	546	4,241
Plastics material and resin manufacturing	<1	442	724	6,036
Synthetic rubber manufacturing	<1	2,043	2,926	12,863
Artificial and synthetic fibers and filaments manufacturing	<1	2,128	2,800	12,218
Nitrogenous fertilizer manufacturing	<1	5	12	46
Phosphatic fertilizer manufacturing	<1	3	5	23
Fertilizer mixing	<1	4	7	34
Pesticide and other agricultural chemical manufacturing	<1	617	1,581	5,997
Medicinal and botanical manufacturing	<1	70	110	440
Pharmaceutical preparation manufacturing	<1	1,099	3,412	10,621
In-vitro diagnostic substance manufacturing	<1	5	7	17

Appendix

Biological product (except diagnostic) manufacturing	<1	56	108	225
Paint and coating manufacturing	<1	362	648	2,368
Adhesive manufacturing	<1	133	209	763
Soap and other detergent manufacturing	<1	435	1,289	4,289
Polish and other sanitation good manufacturing	<1	180	272	929
Surface active agent manufacturing	<1	35	109	370
Toilet preparation manufacturing	<1	1,145	3,333	10,487
Printing ink manufacturing	<1	38	41	166
Explosives manufacturing	<1	59	67	237
Custom compounding of purchased resins	<1	408	691	2,681
Photographic film and chemical manufacturing	<1	20	44	222
Other miscellaneous chemical product manufacturing	<1	193	313	1,310
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	414	740	2,539
Unlaminated plastics profile shape manufacturing	<1	190	458	1,222
Plastics pipe and pipe fitting manufacturing	<1	107	324	1,032
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	73	149	419
Polystyrene foam product manufacturing	<1	124	230	873
Urethane and other foam product (except polystyrene) manufacturing	<1	180	319	1,415
Plastics bottle manufacturing	<1	194	337	1,459
Other plastics product manufacturing	<1	1,749	2,754	8,879
Tire manufacturing	<1	1,575	2,599	10,123
Rubber and plastics hoses and belting manufacturing	<1	193	305	886
Other rubber product manufacturing	<1	663	993	3,501
Pottery, ceramics, and plumbing fixture manufacturing	<1	115	160	371
Brick, tile, and other structural clay product manufacturing	<1	172	289	695
Flat glass manufacturing	<1	220	433	964
Other pressed and blown glass and glassware manufacturing	<1	186	312	660
Glass container manufacturing	<1	5	8	17

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Glass product manufacturing made of purchased glass	<1	276	458	1,197
Cement manufacturing	<1	93	216	554
Ready-mix concrete manufacturing	<1	569	948	3,057
Concrete block and brick manufacturing	<1	190	330	870
Concrete pipe manufacturing	<1	24	40	108
Other concrete product manufacturing	<1	323	448	1,022
Lime manufacturing	<1	47	114	325
Gypsum product manufacturing	<1	70	182	528
Abrasive product manufacturing	<1	38	97	162
Cut stone and stone product manufacturing	<1	241	285	625
Ground or treated mineral and earth manufacturing	<1	130	341	705
Mineral wool manufacturing	<1	38	84	194
Miscellaneous nonmetallic mineral products manufacturing	<1	10	26	52
Iron and steel mills and ferroalloy manufacturing	<1	542	997	7,578
Iron, steel pipe and tube manufacturing from purchased steel	<1	162	268	1,278
Rolled steel shape manufacturing	<1	280	583	3,227
Steel wire drawing	<1	68	99	472
Alumina refining and primary aluminum production	<1	53	78	410
Secondary smelting and alloying of aluminum	<1	82	141	1,148
Aluminum sheet, plate, and foil manufacturing	<1	4,514	8,518	34,282
Other aluminum rolling, drawing and extruding	<1	416	577	3,134
Nonferrous metal (exc aluminum) smelting and refining	<1	8	34	137
Copper rolling, drawing, extruding and alloying	<1	139	212	1,788
Nonferrous metal, except copper and aluminum, shaping	<1	133	160	723
Secondary processing of other nonferrous metals	<1	23	36	216
Ferrous metal foundries	<1	220	325	873
Nonferrous metal foundries	<1	593	830	2,069
Custom roll forming	<1	34	55	337
Crown and closure manufacturing and metal stamping	<1	537	677	2,007
Iron and steel forging	<1	270	433	1,575

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Nonferrous forging	<1	17	25	90
Cutlery, utensil, pot, and pan manufacturing	<1	389	1,034	2,411
Handtool manufacturing	<1	195	315	645
Prefabricated metal buildings and components manufacturing	<1	73	100	305
Fabricated structural metal manufacturing	<1	314	452	1,402
Plate work manufacturing	<1	213	234	568
Metal window and door manufacturing	<1	249	334	900
Sheet metal work manufacturing	<1	323	423	1,092
Ornamental and architectural metal work manufacturing	<1	128	165	485
Power boiler and heat exchanger manufacturing	<1	27	38	116
Metal tank (heavy gauge) manufacturing	<1	49	61	175
Metal cans manufacturing	<1	91	202	970
Metal barrels, drums and pails manufacturing	<1	29	36	166
Hardware manufacturing	<1	49	76	270
Spring and wire product manufacturing	<1	285	380	1,273
Machine shops	<1	676	825	1,755
Turned product and screw, nut, and bolt manufacturing	<1	770	1,104	2,841
Metal heat treating	<1	100	144	383
Metal coating and nonprecious engraving	<1	261	452	1,211
Electroplating, anodizing, and coloring metal	<1	176	200	485
Valve and fittings, other than plumbing, manufacturing	<1	201	315	914
Plumbing fixture fitting and trim manufacturing	<1	126	349	1,369
Ball and roller bearing manufacturing	<1	106	189	499
Small arms ammunition manufacturing	<1	328	671	1,227
Ammunition, except for small arms, manufacturing	<1	333	402	752
Small arms, ordnance, and accessories manufacturing	<1	192	354	731
Fabricated pipe and pipe fitting manufacturing	<1	68	85	259
Other fabricated metal manufacturing	<1	55,939	72,285	171,667
Farm machinery and equipment manufacturing	<1	12	23	82

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Lawn and garden equipment manufacturing	<1	88	172	787
Construction machinery manufacturing	<1	31	78	210
Mining machinery and equipment manufacturing	<1	<1	1	3
Oil and gas field machinery and equipment manufacturing	<1	<1	<1	2
Semiconductor machinery manufacturing	<1	4	5	21
Food product machinery manufacturing	<1	<1	<1	1
Sawmill, woodworking, and paper machinery	<1	6	7	21
Printing machinery and equipment manufacturing	<1	<1	<1	4
All other industrial machinery manufacturing	<1	14	19	53
Optical instrument and lens manufacturing	<1	1	2	5
Photographic and photocopying equipment manufacturing	<1	1	1	5
Other commercial service industry machinery manufacturing	<1	57	101	319
Air purification and ventilation equipment manufacturing	<1	10	14	37
Heating equipment (except warm air furnaces) manufacturing	<1	222	373	1,043
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	540	1,068	3,179
Industrial mold manufacturing	<1	42	51	108
Special tool, die, jig, and fixture manufacturing	<1	72	101	193
Cutting tool and machine tool accessory manufacturing	<1	79	92	199
Machine tool manufacturing	<1	22	30	92
Rolling mill and other metalworking machinery manufacturing	<1	16	20	42
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	37	58	150
Mechanical power transmission equipment manufacturing	<1	27	47	132
Other engine equipment manufacturing	<1	497	1,174	3,740

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Pump and pumping equipment manufacturing	<1	6	12	34
Air and gas compressor manufacturing	<1	1	3	11
Elevator and moving stairway manufacturing	<1	22	33	107
Conveyor and conveying equipment manufacturing	<1	8	9	26
Overhead cranes, hoists, and monorail systems manufacturing	<1	<1	1	5
Industrial truck, trailer, and stacker manufacturing	<1	3	5	14
Power-driven handtool manufacturing	<1	68	193	605
Welding and soldering equipment manufacturing	<1	11	16	45
Packaging machinery manufacturing	<1	2	4	11
Industrial process furnace and oven manufacturing	<1	9	11	28
Fluid power cylinder and actuator manufacturing	<1	20	30	86
Fluid power pump and motor manufacturing	<1	161	274	844
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	18	23	62
Electronic computer manufacturing	<1	5	12	62
Computer storage device manufacturing	<1	6	16	64
Computer terminals and other computer peripheral equipment manufacturing	<1	2	4	17
Telephone apparatus manufacturing	<1	3	5	9
Broadcast and wireless communications equipment manufacturing	<1	2	4	11
Other communications equipment manufacturing	<1	39	64	119
Audio and video equipment manufacturing	<1	43	75	243
Printed circuit assembly (electronic assembly) manufacturing	<1	191	353	1,085
Bare printed circuit board manufacturing	<1	6	8	22
Semiconductor and related device manufacturing	<1	1	2	8

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	121	178	470
Electronic connector manufacturing	<1	14	22	64
Other electronic component manufacturing	<1	17	24	72
Electromedical and electrotherapeutic apparatus manufacturing	<1	18	36	76
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	732	1,008	2,511
Industrial process variable instruments manufacturing	<1	15	24	60
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	2
Electricity and signal testing instruments manufacturing	<1	76	128	495
Analytical laboratory instrument manufacturing	<1	4,889	8,706	19,364
Irradiation apparatus manufacturing	<1	3	5	13
Watch, clock, and other measuring and controlling device manufacturing	<1	35	66	152
Blank magnetic and optical recording media manufacturing	<1	64	208	570
Software and other prerecorded and record reproducing	<1	130	202	614
Electric lamp bulb and part manufacturing	<1	14	40	94
Lighting fixture manufacturing	<1	556	993	2,004
Small electrical appliance manufacturing	<1	455	1,500	3,644
Household cooking appliance manufacturing	<1	718	2,493	5,883
Household refrigerator and home freezer manufacturing	<1	788	2,888	6,520
Household laundry equipment manufacturing	<1	1,903	4,788	14,884
Other major household appliance manufacturing	<1	290	1,164	2,437
Power, distribution, and specialty transformer manufacturing	<1	99	189	436
Motor and generator manufacturing	<1	117	263	707
Switchgear and switchboard apparatus manufacturing	<1	546	1,236	2,404

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Relay and industrial control manufacturing	<1	17	29	81
Storage battery manufacturing	<1	405	691	1,408
Primary battery manufacturing	<1	1,047	5,050	4,818
Fiber optic cable manufacturing	<1	58	81	389
Other communication and energy wire manufacturing	<1	8	17	63
Wiring device manufacturing	<1	166	442	947
Carbon and graphite product manufacturing	<1	386	874	1,819
All other miscellaneous electrical equipment and component manufacturing	<1	2,902	3,777	13,963
Automobile manufacturing	<1	2,128	6,575	24,704
Light truck and utility vehicle manufacturing	<1	392	722	7,552
Heavy duty truck manufacturing	<1	4	9	31
Motor vehicle body manufacturing	<1	33	43	187
Truck trailer manufacturing	<1	2	2	9
Motor home manufacturing	<1	393	562	2,753
Travel trailer and camper manufacturing	<1	139	153	768
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,080	1,493	9,479
Motor vehicle electrical and electronic equipment manufacturing	<1	1,234	1,453	7,293
Motor vehicle transmission and power train parts manufacturing	<1	1,257	1,838	11,134
Motor vehicle seating and interior trim manufacturing	<1	397	458	2,802
Motor vehicle metal stamping	<1	1,316	1,584	6,197
Other motor vehicle parts manufacturing	<1	2,087	2,440	13,377
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,166	1,783	7,774
Aircraft manufacturing	<1	2	2	14
Aircraft engine and engine parts manufacturing	<1	19	23	112
Other aircraft parts and auxiliary equipment manufacturing	<1	21	23	58
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	<1	1	1	8
Ship building and repairing	<1	26	28	61
Boat building	<1	1,212	1,420	5,106
Motorcycle, bicycle, and parts manufacturing	<1	36	61	277
Military armored vehicle, tank, and tank component manufacturing	<1	14	18	94
All other transportation equipment manufacturing	<1	134	197	1,266
Wood kitchen cabinet and countertop manufacturing	<1	251	273	729
Upholstered household furniture manufacturing	<1	1,258	1,359	4,485
Nonupholstered wood household furniture manufacturing	<1	103	108	340
Other household nonupholstered furniture manufacturing	<1	74	93	278
Institutional furniture manufacturing	<1	7	7	25
Wood office furniture manufacturing	<1	<1	<1	2
Custom architectural woodwork and millwork	<1	6	6	17
Office furniture, except wood, manufacturing	<1	6	8	32
Showcase, partition, shelving, and locker manufacturing	<1	71	80	244
Mattress manufacturing	<1	122	155	751
Blind and shade manufacturing	<1	7	7	31
Surgical and medical instrument manufacturing	<1	136	257	455
Surgical appliance and supplies manufacturing	<1	2,255	4,650	8,146
Dental equipment and supplies manufacturing	<1	3	5	15
Ophthalmic goods manufacturing	<1	39	80	155
Dental laboratories	<1	200	209	384
Jewelry and silverware manufacturing	<1	208	341	901
Sporting and athletic goods manufacturing	<1	185	266	680
Doll, toy, and game manufacturing	<1	82	145	394
Office supplies (except paper) manufacturing	<1	422	634	1,637
Sign manufacturing	<1	325	305	732
Gasket, packing, and sealing device manufacturing	<1	87	111	253

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Musical instrument manufacturing	<1	249	281	582
Fasteners, buttons, needles, and pins manufacturing	<1	32	45	106
Broom, brush, and mop manufacturing	<1	286	552	1,222
Burial casket manufacturing	<1	66	86	174
All other miscellaneous manufacturing	<1	113	156	414
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,764	6,083	13,240
Wholesale - Professional and commercial equipment and supplies	<1	15,208	24,163	41,128
Wholesale - Household appliances and electrical and electronic goods	<1	5,243	12,074	25,170
Wholesale - Machinery, equipment, and supplies	<1	4,485	8,406	14,437
Wholesale - Other durable goods merchant wholesalers	<1	11,231	19,224	36,536
Wholesale - Drugs and druggists' sundries	<1	11,058	29,763	56,803
Wholesale - Grocery and related product wholesalers	<1	11,786	15,774	29,828
Wholesale - Petroleum and petroleum products	<1	1,249	27,313	30,010
Wholesale - Other nondurable goods merchant wholesalers	<1	17,889	40,168	69,420
Wholesale - Wholesale electronic markets and agents and brokers	<1	9,270	9,628	11,119
Retail - Motor vehicle and parts dealers	<1	15,210	23,825	34,193
Retail - Furniture and home furnishings stores	<1	8,948	11,565	17,911
Retail - Electronics and appliance stores	<1	9,851	9,809	15,603
Retail - Building material and garden equipment and supplies stores	<1	8,429	15,336	22,460
Retail - Food and beverage stores	<1	26,567	35,070	56,639
Retail - Health and personal care stores	<1	17,874	22,016	33,056
Retail - Gasoline stores	<1	8,904	13,746	23,789
Retail - Clothing and clothing accessories stores	<1	12,086	18,450	36,445
Retail - Sporting goods, hobby, musical instrument and book stores	<1	6,898	9,149	14,494
Retail - General merchandise stores	<1	24,102	35,796	58,026

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Retail - Miscellaneous store retailers	<1	13,999	16,882	25,768
Retail - Nonstore retailers	<1	15,961	45,923	91,933
Air transportation	<1	4,037	13,153	23,808
Rail transportation	<1	2,600	5,350	10,315
Water transportation	<1	1,907	3,012	12,290
Truck transportation	<1	26,099	30,723	60,355
Transit and ground passenger transportation	<1	9,092	10,339	15,644
Pipeline transportation	<1	6,499	6,711	6,882
Scenic and sightseeing transportation and support activities for transportation	<1	11,953	13,169	27,597
Couriers and messengers	<1	13,787	17,603	23,324
Warehousing and storage	<1	18,540	20,670	38,601
Newspaper publishers	<1	2,099	3,540	4,583
Periodical publishers	<1	2,279	3,585	5,462
Book publishers	<1	1,279	3,781	5,718
Directory, mailing list, and other publishers	<1	617	1,726	2,688
Greeting card publishing	<1	173	490	711
Software publishers	<1	10,270	23,198	26,486
Motion picture and video industries	<1	10,825	15,222	33,603
Sound recording industries	<1	1,656	6,499	9,638
Radio and television broadcasting	<1	7,858	9,583	28,702
Cable and other subscription programming	<1	4,674	18,538	40,781
Wired telecommunications carriers	<1	12,246	23,985	48,990
Wireless telecommunications carriers (except satellite)	<1	3,438	19,089	55,872
Satellite, telecommunications resellers, and all other telecommunications	<1	489	673	1,701
Data processing, hosting, and related services	<1	31,615	60,444	134,460
News syndicates, libraries, archives and all other information services	<1	421	574	1,639
Internet publishing and broadcasting and web search portals	<1	2,522	6,050	26,379
Nondepository credit intermediation and related activities	<1	25,529	32,241	55,681
Securities and commodity contracts intermediation and brokerage	<1	30,521	27,674	49,630

Appendix

Monetary authorities and depository credit intermediation	<1	45,212	111,969	191,299
Other financial investment activities	<1	28,760	36,733	81,602
Direct life insurance carriers	<1	11,888	23,893	34,067
Insurance carriers, except direct life	<1	23,839	78,041	160,242
Insurance agencies, brokerages, and related activities	<1	27,184	42,175	96,708
Funds, trusts, and other financial vehicles	<1	7,955	11,472	45,011
Other real estate	1	55,643	135,167	305,982
Tenant-occupied housing	<1	9,909	94,309	106,146
Owner-occupied dwellings	0	0	330,640	419,733
Automotive equipment rental and leasing	<1	5,634	13,736	20,203
General and consumer goods rental except video tapes and discs	<1	4,783	5,866	10,247
Video tape and disc rental	<1	1,368	2,243	3,455
Commercial and industrial machinery and equipment rental and leasing	<1	4,093	9,427	13,888
Lessors of nonfinancial intangible assets	<1	655	12,661	14,412
Legal services	<1	29,248	53,683	73,607
Accounting, tax preparation, bookkeeping, and payroll services	<1	33,322	42,516	57,487
Architectural, engineering, and related services	<1	14,139	15,592	26,962
Specialized design services	<1	2,201	3,439	5,150
Custom computer programming services	<1	7,691	8,927	12,280
Computer systems design services	<1	12,711	13,073	16,614
Other computer related services, including facilities management	<1	1,581	2,899	4,649
Management consulting services	1	94,615	99,337	157,099
Environmental and other technical consulting services	<1	7,998	8,487	12,552
Scientific research and development services	3	222,313	280,597	567,032
Advertising, public relations, and related services	<1	19,406	25,131	42,198
Photographic services	<1	845	2,160	4,152
Veterinary services	<1	4,268	5,243	8,241
Marketing research and all other miscellaneous professional, scientific, and technical services	1	127,648	219,146	367,753

Appendix

Management of companies and enterprises	<1	92,930	102,028	165,269
Office administrative services	<1	22,890	10,266	22,415
Facilities support services	<1	2,325	3,380	7,959
Employment services	2	60,406	87,032	132,209
Business support services	<1	13,284	11,387	19,475
Travel arrangement and reservation services	<1	3,741	4,795	10,990
Investigation and security services	<1	11,610	11,550	16,776
Services to buildings	<1	11,535	15,819	28,192
Landscape and horticultural services	<1	8,249	10,150	17,590
Other support services	<1	7,509	9,495	15,748
Waste management and remediation services	<1	7,230	12,119	22,002
Elementary and secondary schools	<1	14,144	12,408	14,406
Junior colleges, colleges, universities, and professional schools	1	50,904	71,162	92,484
Other educational services	<1	7,895	9,128	17,246
Offices of physicians	<1	116,087	120,619	163,865
Offices of dentists	<1	22,569	26,324	36,228
Offices of other health practitioners	<1	17,931	23,221	30,358
Outpatient care centers	<1	27,243	25,093	41,371
Medical and diagnostic laboratories	<1	9,531	12,253	17,284
Home health care services	<1	23,868	22,898	28,051
Other ambulatory health care services	<1	7,381	7,983	12,129
Hospitals	2	225,145	213,866	360,211
Nursing and community care facilities	<1	26,568	29,342	49,861
Residential mental retardation, mental health, substance abuse and other facilities	<1	11,099	11,759	18,021
Individual and family services	<1	21,718	18,319	27,854
Child day care services	<1	7,746	10,279	14,627
Community food, housing, and other relief services, including rehabilitation services	<1	5,888	5,911	13,057
Performing arts companies	<1	7,392	10,153	12,001
Commercial Sports Except Racing	<1	11,169	11,123	12,861
Racing and Track Operation	<1	731	1,331	1,706
Independent artists, writers, and performers	<1	6,222	17,785	20,322

Appendix

Promoters of performing arts and sports and agents for public figures	<1	6,153	10,640	13,626
Museums, historical sites, zoos, and parks	<1	1,723	2,357	4,025
Amusement parks and arcades	<1	970	2,509	3,238
Gambling industries (except casino hotels)	<1	6,887	12,691	19,393
Other amusement and recreation industries	<1	4,723	6,239	10,858
Fitness and recreational sports centers	<1	3,159	4,755	7,880
Bowling centers	<1	611	1,037	1,683
Hotels and motels, including casino hotels	<1	8,189	16,503	23,908
Other accommodations	<1	2,221	3,208	4,245
Full-service restaurants	2	44,634	66,612	110,212
Limited-service restaurants	1	33,165	54,497	113,941
All other food and drinking places	<1	23,980	36,423	52,264
Automotive repair and maintenance, except car washes	<1	21,948	26,208	37,512
Car washes	<1	11,064	17,190	25,285
Electronic and precision equipment repair and maintenance	<1	5,170	6,046	9,808
Commercial and industrial machinery and equipment repair and maintenance	<1	8,907	8,825	13,029
Personal and household goods repair and maintenance	<1	3,218	5,648	7,875
Personal care services	<1	11,859	10,609	14,051
Death care services	<1	3,108	1,949	2,874
Dry-cleaning and laundry services	<1	5,681	3,409	4,718
Other personal services	<1	7,693	9,409	13,625
Religious organizations	<1	22,837	9,818	41,128
Grantmaking, giving, and social advocacy organizations	<1	5,876	17,732	26,651
Business and professional associations	<1	4,353	7,359	12,686
Labor and civic organizations	<1	4,095	11,389	23,515
Private households	<1	5,192	5,192	5,192
Postal service	<1	12,589	12,596	13,424
Federal electric utilities	<1	4,153	8,284	30,230
Other federal government enterprises	<1	405	469	1,472
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	182	213	325
Local government passenger transit	<1	1,082	-1,025	453
Local government electric utilities	<1	6,127	14,687	29,650
Other local government enterprises	<1	15,157	28,778	57,782
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	15	2,604,595	3,116,896	7,071,432

Investments in Climate Change Research and Technology

Table 753: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Tennessee

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>295</i>	<i>19,096,430</i>	<i>29,906,569</i>	<i>58,465,036</i>
Oilseed farming	<1	-8,510	17,186	35,158
Grain farming	<1	-2,453	1,981	42,358
Vegetable and melon farming	<1	-1,645	2,904	12,786
Fruit farming	<1	-179	232	767
Tree nut farming	<1	-30	41	130
Greenhouse, nursery, and floriculture production	<1	831	3,263	10,652
Tobacco farming	<1	387	1,910	5,987
Cotton farming	<1	277	1,417	5,820
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	1	61	1,270	6,657
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-873	4,384	22,428

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Dairy cattle and milk production	<1	-92	273	3,052
Poultry and egg production	<1	50	1,234	17,548
Animal production, except cattle and poultry and eggs	<1	-3,892	11,997	23,841
Forestry, forest products, and timber tract production	<1	428	449	568
Commercial logging	<1	3,782	3,449	5,335
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	29	320	975
Support activities for agriculture and forestry	<1	11,782	10,176	13,502
Oil and gas extraction	<1	593	519	53,479
Coal mining	<1	102	314	711
Copper, nickel, lead, and zinc mining	<1	19,122	52,343	125,466
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,755	6,201	11,927
Sand and gravel mining	<1	1,334	2,750	4,963
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	122	233	453
Drilling oil and gas wells	<1	<1	<1	3
Support activities for oil and gas operations	<1	5	7	32
Metal mining services	<1	51	85	877
Other nonmetallic minerals services	<1	6	11	74
Electric power generation - Hydroelectric	<1	208	850	1,508
Electric power generation - Fossil fuel	<1	163	923	2,043
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	30	181	383
Electric power generation - Wind	<1	131	1,859	3,588
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	54	393	1,116
Electric power generation - All other	<1	109	116	349
Electric power transmission and distribution	<1	10,926	59,649	144,034
Natural gas distribution	<1	4,292	16,582	35,343
Water, sewage and other systems	<1	2,008	5,323	9,247
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	75,773	80,850	216,350
Maintenance and repair construction of residential structures	<1	25,320	28,242	72,870
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	46	50	131
Dog and cat food manufacturing	<1	2,576	7,152	14,425
Other animal food manufacturing	<1	839	1,551	9,452
Flour milling	<1	1,376	2,582	13,423
Rice milling	<1	598	1,013	3,861
Malt manufacturing	0	0	0	0
Wet corn milling	<1	4,472	9,724	36,151
Soybean and other oilseed processing	<1	1,156	6,062	38,319
Fats and oils refining and blending	<1	197	376	2,964
Breakfast cereal manufacturing	<1	1,524	3,568	7,733
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	56	141	766
Nonchocolate confectionery manufacturing	<1	1,556	2,348	8,254
Chocolate and confectionery manufacturing from cacao beans	<1	38	56	439
Confectionery manufacturing from purchased chocolate	<1	2,672	3,634	12,162
Frozen fruits, juices and vegetables manufacturing	<1	1,665	3,277	10,986
Frozen specialties manufacturing	<1	3,980	5,584	18,092
Canned fruits and vegetables manufacturing	<1	1,924	3,792	9,277
Canned specialties	<1	69	166	685
Dehydrated food products manufacturing	<1	2	3	13
Cheese manufacturing	<1	1,717	2,456	22,986
Dry, condensed, and evaporated dairy product manufacturing	<1	1,526	3,577	20,392
Fluid milk manufacturing	<1	1,839	2,862	15,914
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	658	880	3,667
Frozen cakes and other pastries manufacturing	<1	2,105	3,015	5,468
Poultry processing	<1	19,260	23,264	96,533
Animal, except poultry, slaughtering	<1	4,064	4,930	33,582
Meat processed from carcasses	<1	6,087	5,783	37,279
Rendering and meat byproduct processing	<1	241	243	1,203
Seafood product preparation and packaging	<1	78	95	790
Bread and bakery product, except frozen, manufacturing	<1	7,272	10,162	23,033
Cookie and cracker manufacturing	<1	5,898	8,289	23,706
Dry pasta, mixes, and dough manufacturing	<1	675	1,464	4,834
Tortilla manufacturing	<1	580	715	2,039
Roasted nuts and peanut butter manufacturing	<1	477	817	3,261
Other snack food manufacturing	<1	3,238	7,718	23,283
Coffee and tea manufacturing	<1	981	1,777	8,049
Flavoring syrup and concentrate manufacturing	<1	16	119	296
Mayonnaise, dressing, and sauce manufacturing	<1	519	1,007	4,010
Spice and extract manufacturing	<1	37	59	306
All other food manufacturing	<1	1,158	1,678	6,905

Appendix

Bottled and canned soft drinks & water	<1	5,365	9,419	45,168
Manufactured ice	<1	233	140	683
Breweries	<1	1,018	2,311	9,774
Wineries	<1	816	1,374	7,038
Distilleries	<1	6,104	23,495	62,929
Tobacco product manufacturing	<1	3,339	59,650	107,304
Fiber, yarn, and thread mills	<1	1,466	2,123	8,827
Broadwoven fabric mills	<1	96	153	468
Narrow fabric mills and schiffli machine embroidery	<1	16	17	54
Nonwoven fabric mills	<1	2,032	3,888	11,962
Knit fabric mills	<1	35	45	127
Textile and fabric finishing mills	<1	185	246	937
Fabric coating mills	<1	303	429	1,785
Carpet and rug mills	<1	244	406	1,484
Curtain and linen mills	<1	70	93	360
Textile bag and canvas mills	<1	416	503	1,535
Rope, cordage, twine, tire cord and tire fabric mills	<1	1,318	2,001	6,111
Other textile product mills	<1	677	829	2,634
Hosiery and sock mills	<1	289	276	763
Other apparel knitting mills	<1	37	52	156
Cut and sew apparel contractors	<1	681	661	1,269
Mens and boys cut and sew apparel manufacturing	<1	2,337	2,234	5,807
Womens and girls cut and sew apparel manufacturing	<1	30	37	173
Other cut and sew apparel manufacturing	<1	86	90	326
Apparel accessories and other apparel manufacturing	<1	56	61	200
Leather and hide tanning and finishing	<1	52	39	362
Footwear manufacturing	<1	133	132	596
Other leather and allied product manufacturing	<1	23	23	77
Sawmills	<1	2,329	3,663	14,807
Wood preservation	<1	79	215	809
Veneer and plywood manufacturing	<1	78	124	538
Engineered wood member and truss manufacturing	<1	842	1,248	3,415
Reconstituted wood product manufacturing	<1	262	617	1,856
Wood windows and door manufacturing	<1	5,523	7,720	19,556

Appendix

Cut stock, resawing lumber, and planing	<1	507	916	2,600
Other millwork, including flooring	<1	1,680	2,722	8,131
Wood container and pallet manufacturing	<1	2,375	3,292	9,265
Manufactured home (mobile home) manufacturing	<1	29	36	87
Prefabricated wood building manufacturing	<1	488	679	1,659
All other miscellaneous wood product manufacturing	<1	670	1,009	3,541
Pulp mills	<1	506	991	3,008
Paper mills	<1	8,015	26,152	64,234
Paperboard mills	<1	12,795	40,432	104,499
Paperboard container manufacturing	<1	14,002	26,257	96,046
Paper bag and coated and treated paper manufacturing	<1	4,813	11,655	35,672
Stationery product manufacturing	<1	1,526	2,775	8,127
Sanitary paper product manufacturing	<1	2,358	9,950	22,938
All other converted paper product manufacturing	<1	1,446	2,549	7,853
Printing	<1	41,895	78,368	151,034
Support activities for printing	<1	3,889	6,901	9,704
Petroleum refineries	<1	7,873	44,094	194,382
Asphalt paving mixture and block manufacturing	<1	538	803	4,151
Asphalt shingle and coating materials manufacturing	<1	711	2,175	5,376
Petroleum lubricating oil and grease manufacturing	<1	330	1,003	2,425
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	854	6,518	44,733
Industrial gas manufacturing	<1	2,034	3,858	14,001
Synthetic dye and pigment manufacturing	<1	740	1,269	3,685
Other basic inorganic chemical manufacturing	<1	2,441	4,489	15,756
Other basic organic chemical manufacturing	<1	2,790	5,144	35,484
Plastics material and resin manufacturing	<1	3,875	6,034	44,641
Synthetic rubber manufacturing	<1	12,111	16,906	68,318
Artificial and synthetic fibers and filaments manufacturing	<1	4,932	6,902	29,050

Appendix

Nitrogenous fertilizer manufacturing	<1	24	50	212
Phosphatic fertilizer manufacturing	<1	19	35	154
Fertilizer mixing	<1	23	40	193
Pesticide and other agricultural chemical manufacturing	<1	6,761	17,054	61,798
Medicinal and botanical manufacturing	<1	139	207	922
Pharmaceutical preparation manufacturing	<1	2,284	6,598	22,457
In-vitro diagnostic substance manufacturing	<1	7	10	23
Biological product (except diagnostic) manufacturing	<1	86	154	352
Paint and coating manufacturing	<1	1,488	2,496	9,140
Adhesive manufacturing	<1	328	478	1,949
Soap and other detergent manufacturing	<1	1,348	3,570	15,305
Polish and other sanitation good manufacturing	<1	619	884	3,376
Surface active agent manufacturing	<1	168	462	1,754
Toilet preparation manufacturing	<1	2,768	7,425	24,792
Printing ink manufacturing	<1	307	334	1,352
Explosives manufacturing	<1	445	499	1,689
Custom compounding of purchased resins	<1	1,469	2,317	9,803
Photographic film and chemical manufacturing	<1	209	434	2,303
Other miscellaneous chemical product manufacturing	<1	1,036	1,567	6,307
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	1,696	3,073	10,882
Unlaminated plastics profile shape manufacturing	<1	1,451	3,554	9,903
Plastics pipe and pipe fitting manufacturing	<1	626	1,945	5,859
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	510	1,060	2,897
Polystyrene foam product manufacturing	<1	701	1,317	4,999
Urethane and other foam product (except polystyrene) manufacturing	<1	825	1,483	6,741
Plastics bottle manufacturing	<1	634	1,110	5,128
Other plastics product manufacturing	<1	9,817	15,344	52,542

Appendix

Tire manufacturing	<1	8,473	13,875	53,998
Rubber and plastics hoses and belting manufacturing	<1	1,002	1,613	4,665
Other rubber product manufacturing	<1	3,518	5,338	17,960
Pottery, ceramics, and plumbing fixture manufacturing	<1	542	784	1,705
Brick, tile, and other structural clay product manufacturing	<1	1,242	2,164	4,918
Flat glass manufacturing	<1	794	1,682	3,602
Other pressed and blown glass and glassware manufacturing	<1	1,016	1,803	3,720
Glass container manufacturing	<1	21	33	72
Glass product manufacturing made of purchased glass	<1	1,523	2,635	6,672
Cement manufacturing	<1	561	1,380	3,419
Ready-mix concrete manufacturing	<1	3,428	5,886	18,677
Concrete block and brick manufacturing	<1	846	1,566	3,951
Concrete pipe manufacturing	<1	164	285	726
Other concrete product manufacturing	<1	1,879	2,671	5,976
Lime manufacturing	<1	477	1,114	3,163
Gypsum product manufacturing	<1	521	1,450	4,029
Abrasive product manufacturing	<1	102	291	472
Cut stone and stone product manufacturing	<1	1,390	1,657	3,637
Ground or treated mineral and earth manufacturing	<1	964	2,610	5,297
Mineral wool manufacturing	<1	179	423	978
Miscellaneous nonmetallic mineral products manufacturing	<1	55	163	332
Iron and steel mills and ferroalloy manufacturing	<1	1,342	2,855	18,456
Iron, steel pipe and tube manufacturing from purchased steel	<1	273	531	2,387
Rolled steel shape manufacturing	<1	830	1,987	8,845
Steel wire drawing	<1	123	209	886
Alumina refining and primary aluminum production	<1	198	332	1,788
Secondary smelting and alloying of aluminum	<1	386	736	5,875
Aluminum sheet, plate, and foil manufacturing	<1	2,473	5,404	17,969
Other aluminum rolling, drawing and extruding	<1	279	438	2,249

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	81	412	1,440
Copper rolling, drawing, extruding and alloying	<1	581	941	8,361
Nonferrous metal, except copper and aluminum, shaping	<1	330	421	1,770
Secondary processing of other nonferrous metals	<1	63	144	681
Ferrous metal foundries	<1	829	1,406	3,400
Nonferrous metal foundries	<1	1,261	1,905	4,652
Custom roll forming	<1	67	115	686
Crown and closure manufacturing and metal stamping	<1	1,318	1,672	5,151
Iron and steel forging	<1	699	1,138	4,161
Nonferrous forging	<1	36	52	199
Cutlery, utensil, pot, and pan manufacturing	<1	1,086	2,799	6,874
Handtool manufacturing	<1	449	724	1,564
Prefabricated metal buildings and components manufacturing	<1	447	646	1,909
Fabricated structural metal manufacturing	<1	4,492	6,667	20,702
Plate work manufacturing	<1	1,393	1,515	3,824
Metal window and door manufacturing	<1	1,263	1,725	4,765
Sheet metal work manufacturing	<1	1,308	1,736	4,622
Ornamental and architectural metal work manufacturing	<1	757	991	3,031
Power boiler and heat exchanger manufacturing	<1	134	187	542
Metal tank (heavy gauge) manufacturing	<1	277	353	1,036
Metal cans manufacturing	<1	253	564	2,740
Metal barrels, drums and pails manufacturing	<1	83	104	510
Hardware manufacturing	<1	231	366	1,340
Spring and wire product manufacturing	<1	649	893	2,994
Machine shops	<1	2,823	3,476	7,624
Turned product and screw, nut, and bolt manufacturing	<1	1,311	1,928	5,112
Metal heat treating	<1	672	977	2,582
Metal coating and nonprecious engraving	<1	1,911	3,364	8,925
Electroplating, anodizing, and coloring metal	<1	1,026	1,174	2,852
Valve and fittings, other than plumbing, manufacturing	<1	1,207	1,911	5,565

Appendix

Plumbing fixture fitting and trim manufacturing	<1	545	1,509	6,126
Ball and roller bearing manufacturing	<1	675	1,239	3,434
Small arms ammunition manufacturing	<1	1,151	2,310	4,600
Ammunition, except for small arms, manufacturing	<1	2,790	3,361	6,330
Small arms, ordnance, and accessories manufacturing	<1	559	1,031	2,340
Fabricated pipe and pipe fitting manufacturing	<1	528	663	1,977
Other fabricated metal manufacturing	<1	13,666	17,847	43,061
Farm machinery and equipment manufacturing	<1	62	112	410
Lawn and garden equipment manufacturing	<1	300	549	2,830
Construction machinery manufacturing	<1	260	601	1,777
Mining machinery and equipment manufacturing	<1	8	14	41
Oil and gas field machinery and equipment manufacturing	<1	6	9	29
Semiconductor machinery manufacturing	<1	18	22	93
Food product machinery manufacturing	<1	1	2	4
Sawmill, woodworking, and paper machinery	<1	30	34	108
Printing machinery and equipment manufacturing	<1	2	3	16
All other industrial machinery manufacturing	<1	62	80	223
Optical instrument and lens manufacturing	<1	3	5	15
Photographic and photocopying equipment manufacturing	<1	3	4	15
Other commercial service industry machinery manufacturing	<1	413	688	2,213
Air purification and ventilation equipment manufacturing	<1	53	73	193
Heating equipment (except warm air furnaces) manufacturing	<1	825	1,293	4,136
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,809	5,198	17,008
Industrial mold manufacturing	<1	60	72	161
Special tool, die, jig, and fixture manufacturing	<1	188	254	509

Appendix

Cutting tool and machine tool accessory manufacturing	<1	183	209	461
Machine tool manufacturing	<1	21	27	87
Rolling mill and other metalworking machinery manufacturing	<1	53	64	137
Turbine and turbine generator set units manufacturing	<1	<1	<1	1
Speed changer, industrial high-speed drive, and gear manufacturing	<1	202	307	880
Mechanical power transmission equipment manufacturing	<1	195	318	949
Other engine equipment manufacturing	<1	1,504	3,193	13,164
Pump and pumping equipment manufacturing	<1	26	46	142
Air and gas compressor manufacturing	<1	10	19	73
Elevator and moving stairway manufacturing	<1	118	169	559
Conveyor and conveying equipment manufacturing	<1	41	47	135
Overhead cranes, hoists, and monorail systems manufacturing	<1	6	12	44
Industrial truck, trailer, and stacker manufacturing	<1	18	29	87
Power-driven handtool manufacturing	<1	73	200	708
Welding and soldering equipment manufacturing	<1	58	85	258
Packaging machinery manufacturing	<1	6	9	29
Industrial process furnace and oven manufacturing	<1	4	5	14
Fluid power cylinder and actuator manufacturing	<1	135	194	544
Fluid power pump and motor manufacturing	<1	137	224	739
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	68	84	247
Electronic computer manufacturing	<1	30	65	305
Computer storage device manufacturing	<1	55	144	570
Computer terminals and other computer peripheral equipment manufacturing	<1	9	17	67
Telephone apparatus manufacturing	<1	233	392	646

Appendix

Broadcast and wireless communications equipment manufacturing	<1	10	15	46
Other communications equipment manufacturing	<1	444	785	1,317
Audio and video equipment manufacturing	<1	75	134	448
Printed circuit assembly (electronic assembly) manufacturing	<1	860	1,675	5,128
Bare printed circuit board manufacturing	<1	20	28	70
Semiconductor and related device manufacturing	<1	7	14	50
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	310	460	1,265
Electronic connector manufacturing	<1	44	71	210
Other electronic component manufacturing	<1	25	35	105
Electromedical and electrotherapeutic apparatus manufacturing	<1	39	78	167
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	8,896	12,395	31,226
Industrial process variable instruments manufacturing	<1	68	113	282
Totalizing fluid meter and counting device manufacturing	<1	3	8	16
Electricity and signal testing instruments manufacturing	<1	142	241	921
Analytical laboratory instrument manufacturing	<1	15,503	28,357	61,553
Irradiation apparatus manufacturing	<1	6	12	29
Watch, clock, and other measuring and controlling device manufacturing	<1	64	124	296
Blank magnetic and optical recording media manufacturing	<1	176	561	1,835
Software and other prerecorded and record reproducing	<1	2,451	3,827	13,727
Electric lamp bulb and part manufacturing	<1	53	135	353
Lighting fixture manufacturing	<1	2,681	4,848	10,102
Small electrical appliance manufacturing	<1	1,154	3,524	9,845

Appendix

Household cooking appliance manufacturing	<1	2,414	7,272	18,407
Household refrigerator and home freezer manufacturing	<1	2,546	8,038	19,518
Household laundry equipment manufacturing	<1	5,945	13,418	43,906
Other major household appliance manufacturing	<1	935	3,205	7,235
Power, distribution, and specialty transformer manufacturing	<1	1,898	3,503	8,893
Motor and generator manufacturing	<1	430	929	2,540
Switchgear and switchboard apparatus manufacturing	<1	13,012	27,464	58,624
Relay and industrial control manufacturing	<1	93	153	444
Storage battery manufacturing	<1	1,395	2,442	5,192
Primary battery manufacturing	<1	2,922	7,628	13,263
Fiber optic cable manufacturing	<1	701	974	5,404
Other communication and energy wire manufacturing	<1	113	216	856
Wiring device manufacturing	<1	381	966	2,281
Carbon and graphite product manufacturing	<1	12,654	26,785	56,587
All other miscellaneous electrical equipment and component manufacturing	<1	5	6	25
Automobile manufacturing	<1	8,237	27,374	102,470
Light truck and utility vehicle manufacturing	<1	4,681	12,427	88,106
Heavy duty truck manufacturing	<1	19	48	162
Motor vehicle body manufacturing	<1	174	235	956
Truck trailer manufacturing	<1	13	17	65
Motor home manufacturing	<1	2,829	4,676	22,037
Travel trailer and camper manufacturing	<1	721	819	4,026
Motor vehicle gasoline engine and engine parts manufacturing	<1	4,687	7,240	42,296
Motor vehicle electrical and electronic equipment manufacturing	<1	9,523	12,771	69,832
Motor vehicle transmission and power train parts manufacturing	<1	7,503	11,561	82,012
Motor vehicle seating and interior trim manufacturing	<1	3,365	4,178	24,060
Motor vehicle metal stamping	<1	9,646	12,103	49,208
Other motor vehicle parts manufacturing	<1	11,709	16,888	77,484

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	5,670	9,202	40,943
Aircraft manufacturing	<1	9	12	73
Aircraft engine and engine parts manufacturing	<1	8	11	57
Other aircraft parts and auxiliary equipment manufacturing	<1	27	31	79
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	7	8	53
Ship building and repairing	<1	112	120	267
Boat building	<1	5,968	6,950	25,718
Motorcycle, bicycle, and parts manufacturing	<1	77	129	609
Military armored vehicle, tank, and tank component manufacturing	<1	184	231	1,538
All other transportation equipment manufacturing	<1	407	558	3,836
Wood kitchen cabinet and countertop manufacturing	<1	1,052	1,245	3,298
Upholstered household furniture manufacturing	<1	2,771	2,987	9,944
Nonupholstered wood household furniture manufacturing	<1	314	340	1,085
Other household nonupholstered furniture manufacturing	<1	194	247	786
Institutional furniture manufacturing	<1	35	37	128
Wood office furniture manufacturing	<1	3	3	12
Custom architectural woodwork and millwork	<1	30	28	90
Office furniture, except wood, manufacturing	<1	127	164	669
Showcase, partition, shelving, and locker manufacturing	<1	311	378	1,151
Mattress manufacturing	<1	398	521	2,584
Blind and shade manufacturing	<1	25	25	110
Surgical and medical instrument manufacturing	<1	469	850	1,640
Surgical appliance and supplies manufacturing	<1	5,491	10,723	20,522
Dental equipment and supplies manufacturing	<1	7	12	37

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Ophthalmic goods manufacturing	<1	108	211	438
Dental laboratories	<1	489	509	945
Jewelry and silverware manufacturing	<1	744	1,187	3,215
Sporting and athletic goods manufacturing	<1	570	807	2,267
Doll, toy, and game manufacturing	<1	273	440	1,270
Office supplies (except paper) manufacturing	<1	1,568	2,295	6,709
Sign manufacturing	<1	3,513	3,132	7,820
Gasket, packing, and sealing device manufacturing	<1	455	567	1,348
Musical instrument manufacturing	<1	393	425	937
Fasteners, buttons, needles, and pins manufacturing	<1	81	109	262
Broom, brush, and mop manufacturing	<1	959	1,399	4,121
Burial casket manufacturing	<1	440	546	1,252
All other miscellaneous manufacturing	<1	419	563	1,603
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	11,989	26,604	57,544
Wholesale - Professional and commercial equipment and supplies	<1	74,742	119,417	205,748
Wholesale - Household appliances and electrical and electronic goods	<1	54,161	128,012	268,411
Wholesale - Machinery, equipment, and supplies	<1	27,219	51,576	88,290
Wholesale - Other durable goods merchant wholesalers	<1	49,239	84,463	161,398
Wholesale - Drugs and druggists' sundries	<1	36,106	100,311	194,985
Wholesale - Grocery and related product wholesalers	<1	42,228	57,098	108,898
Wholesale - Petroleum and petroleum products	<1	7,651	112,706	128,020
Wholesale - Other nondurable goods merchant wholesalers	<1	70,633	150,859	269,971
Wholesale - Wholesale electronic markets and agents and brokers	<1	44,768	46,499	54,016
Retail - Motor vehicle and parts dealers	<1	59,308	92,773	134,481
Retail - Furniture and home furnishings stores	<1	30,326	39,178	61,965
Retail - Electronics and appliance stores	<1	34,260	33,338	54,627

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Retail - Building material and garden equipment and supplies stores	<1	32,253	58,720	86,686
Retail - Food and beverage stores	3	81,373	108,825	180,336
Retail - Health and personal care stores	1	61,583	75,496	114,076
Retail - Gasoline stores	<1	29,956	49,293	90,558
Retail - Clothing and clothing accessories stores	1	38,980	60,670	125,102
Retail - Sporting goods, hobby, musical instrument and book stores	<1	23,534	31,259	50,982
Retail - General merchandise stores	3	89,984	132,502	215,930
Retail - Miscellaneous store retailers	2	45,225	55,139	88,154
Retail - Nonstore retailers	2	53,436	144,813	300,157
Air transportation	<1	23,953	73,459	137,081
Rail transportation	<1	14,441	35,552	63,141
Water transportation	<1	6,769	10,586	45,483
Truck transportation	2	119,245	143,356	288,410
Transit and ground passenger transportation	2	36,658	41,137	67,033
Pipeline transportation	<1	65,109	48,646	49,605
Scenic and sightseeing transportation and support activities for transportation	1	71,182	78,190	162,506
Couriers and messengers	<1	73,202	93,185	125,536
Warehousing and storage	2	83,335	92,789	176,992
Newspaper publishers	<1	15,278	25,135	33,183
Periodical publishers	<1	12,484	19,179	31,368
Book publishers	<1	9,215	27,021	41,831
Directory, mailing list, and other publishers	<1	7,609	19,694	30,883
Greeting card publishing	<1	424	1,101	1,703
Software publishers	<1	56,176	122,393	140,401
Motion picture and video industries	1	93,593	130,038	337,271
Sound recording industries	<1	8,133	29,419	48,216
Radio and television broadcasting	<1	40,127	52,943	221,683
Cable and other subscription programming	<1	16,959	104,340	291,697
Wired telecommunications carriers	3	232,755	497,707	1,045,365
Wireless telecommunications carriers (except satellite)	<1	33,763	181,970	549,398

Appendix

Satellite, telecommunications resellers, and all other telecommunications	10	1,018,837	1,486,700	4,041,656
Data processing, hosting, and related services	<1	50,763	98,041	273,059
News syndicates, libraries, archives and all other information services	<1	1,492	1,958	6,149
Internet publishing and broadcasting and web search portals	<1	22,501	54,198	316,220
Nondepository credit intermediation and related activities	1	108,494	133,873	246,690
Securities and commodity contracts intermediation and brokerage	2	128,233	120,687	257,070
Monetary authorities and depository credit intermediation	3	279,202	638,687	1,152,995
Other financial investment activities	1	73,527	97,660	264,851
Direct life insurance carriers	<1	46,933	89,183	135,444
Insurance carriers, except direct life	1	115,513	347,940	779,474
Insurance agencies, brokerages, and related activities	2	188,103	285,078	682,123
Funds, trusts, and other financial vehicles	<1	23,871	33,155	155,494
Other real estate	12	352,345	884,214	2,233,037
Tenant-occupied housing	1	29,680	258,875	301,994
Owner-occupied dwellings	0	0	961,374	1,220,422
Automotive equipment rental and leasing	<1	24,734	78,630	123,265
General and consumer goods rental except video tapes and discs	<1	22,669	30,502	56,847
Video tape and disc rental	<1	4,510	7,584	11,756
Commercial and industrial machinery and equipment rental and leasing	<1	28,510	79,626	121,597
Lessors of nonfinancial intangible assets	<1	8,138	140,252	160,054
Legal services	3	223,949	399,024	560,393
Accounting, tax preparation, bookkeeping, and payroll services	3	293,251	357,351	503,003
Architectural, engineering, and related services	2	124,813	133,506	237,630
Specialized design services	<1	16,950	24,539	39,452
Custom computer programming services	<1	61,909	72,708	103,578

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Computer systems design services	2	129,495	132,335	171,830
Other computer related services, including facilities management	<1	14,747	27,168	45,265
Management consulting services	4	346,834	361,677	596,565
Environmental and other technical consulting services	<1	61,952	64,994	98,125
Scientific research and development services	26	2,012,569	2,632,494	5,484,392
Advertising, public relations, and related services	2	155,557	194,492	349,711
Photographic services	<1	7,951	18,159	38,046
Veterinary services	<1	14,203	16,668	27,272
Marketing research and all other miscellaneous professional, scientific, and technical services	58	4,692,504	7,617,025	14,045,143
Management of companies and enterprises	5	640,588	700,131	1,178,004
Office administrative services	3	200,420	85,775	205,359
Facilities support services	<1	24,451	35,800	88,048
Employment services	21	689,227	974,673	1,573,321
Business support services	3	111,676	93,890	171,479
Travel arrangement and reservation services	<1	21,181	27,108	63,459
Investigation and security services	3	96,824	95,642	145,436
Services to buildings	3	79,945	108,047	205,205
Landscape and horticultural services	1	52,251	63,862	115,086
Other support services	<1	47,126	59,300	102,813
Waste management and remediation services	<1	38,658	64,885	119,894
Elementary and secondary schools	<1	35,639	31,538	37,336
Junior colleges, colleges, universities, and professional schools	6	285,568	403,955	533,953
Other educational services	<1	22,526	25,827	50,913
Offices of physicians	3	388,063	399,963	546,036
Offices of dentists	<1	72,419	82,239	115,069
Offices of other health practitioners	<1	60,632	75,421	99,819
Outpatient care centers	1	82,086	74,767	122,755
Medical and diagnostic laboratories	<1	30,158	37,305	54,322
Home health care services	1	80,272	76,395	93,926
Other ambulatory health care services	<1	23,688	25,229	38,913

Appendix

Hospitals	5	608,956	583,921	999,369
Nursing and community care facilities	2	78,181	86,204	152,342
Residential mental retardation, mental health, substance abuse and other facilities	<1	28,228	29,823	47,042
Individual and family services	2	59,339	48,844	76,144
Child day care services	<1	23,208	29,433	43,664
Community food, housing, and other relief services, including rehabilitation services	<1	14,836	14,793	34,083
Performing arts companies	<1	29,288	41,505	54,476
Commercial Sports Except Racing	<1	61,385	65,190	76,636
Racing and Track Operation	<1	2,033	3,863	5,763
Independent artists, writers, and performers	<1	42,820	140,505	164,254
Promoters of performing arts and sports and agents for public figures	<1	27,626	50,566	70,209
Museums, historical sites, zoos, and parks	<1	5,038	6,944	12,299
Amusement parks and arcades	<1	2,591	7,959	10,433
Gambling industries (except casino hotels)	<1	19,123	35,362	56,307
Other amusement and recreation industries	<1	17,153	23,665	43,058
Fitness and recreational sports centers	<1	9,564	15,252	26,336
Bowling centers	<1	1,922	3,401	5,734
Hotels and motels, including casino hotels	<1	32,614	67,807	100,552
Other accommodations	<1	7,263	10,610	14,338
Full-service restaurants	7	189,035	275,855	474,351
Limited-service restaurants	5	112,807	181,887	402,656
All other food and drinking places	4	127,386	192,890	286,421
Automotive repair and maintenance, except car washes	2	84,423	107,692	154,349
Car washes	<1	45,087	70,620	104,975
Electronic and precision equipment repair and maintenance	<1	32,127	37,121	63,024
Commercial and industrial machinery and equipment repair and maintenance	<1	58,625	58,879	89,288
Personal and household goods repair and maintenance	<1	17,432	32,300	45,316
Personal care services	1	34,043	32,393	42,890
Death care services	<1	7,995	6,503	9,051

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Dry-cleaning and laundry services	<1	21,203	16,405	21,424
Other personal services	<1	27,758	34,616	50,984
Religious organizations	1	62,907	35,496	124,244
Grantmaking, giving, and social advocacy organizations	<1	13,602	46,027	68,655
Business and professional associations	<1	16,445	30,023	52,619
Labor and civic organizations	<1	10,237	31,619	63,389
Private households	1	15,210	15,210	15,210
Postal service	<1	67,514	67,548	72,100
Federal electric utilities	<1	95,777	178,937	670,218
Other federal government enterprises	<1	27,590	25,804	94,227
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,152	2,684	4,476
Local government passenger transit	<1	6,263	-4,704	4,199
Local government electric utilities	<1	34,068	94,881	193,969
Other local government enterprises	<1	72,714	155,783	311,379
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	356,417	478,513	1,094,707

Texas

NASA

Table 754: Detailed NASA Impacts by Types of Impact, Texas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>41,937</i>	<i>3,238,430,237</i>	<i>4,840,697,895</i>	<i>9,279,710,185</i>
Oilseed farming	<1	4,029	241,938	368,311
Grain farming	65	833,754	1,018,092	12,487,237
Vegetable and melon farming	10	179,335	487,506	880,758
Fruit farming	8	109,870	332,971	435,194
Tree nut farming	5	71,811	216,868	273,369
Greenhouse, nursery, and floriculture production	23	557,915	969,116	1,767,841
Tobacco farming	0	0	0	0
Cotton farming	10	300,261	486,743	889,977
Sugarcane and sugar beet farming	2	46,090	75,319	152,439
All other crop farming	136	591,396	959,444	1,971,410
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	256	312,119	4,670,287	18,421,421
Dairy cattle and milk production	22	227,683	928,243	5,658,359
Poultry and egg production	22	466,631	876,281	8,406,207
Animal production, except cattle and poultry and eggs	51	371,401	2,918,209	4,110,742
Forestry, forest products, and timber tract production	3	167,349	177,259	229,201
Commercial logging	9	347,572	318,908	617,315
Commercial fishing	12	64,775	658,241	766,144
Commercial hunting and trapping	2	44,879	276,753	361,638
Support activities for agriculture and forestry	126	3,966,437	3,562,803	4,646,440
Oil and gas extraction	96	24,031,804	49,669,918	78,709,558
Coal mining	23	1,563,502	4,650,879	8,853,743
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	4,311	12,643	95,088
Gold ore mining	<1	8,958	22,801	66,209
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	2	130,407	286,487	629,230
Other metal ore mining	0	0	0	0
Stone mining and quarrying	4	197,728	783,712	1,477,167
Sand and gravel mining	5	359,595	843,842	1,559,913

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Other clay, ceramic, refractory minerals mining	<1	50,071	112,053	218,736
Potash, soda, and borate mineral mining	<1	40,610	73,467	138,939
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	54,752	134,694	254,270
Other nonmetallic minerals	<1	30,150	65,274	133,903
Drilling oil and gas wells	<1	10,420	21,055	37,139
Support activities for oil and gas operations	2	190,769	290,935	499,328
Metal mining services	8	1,305,970	2,946,613	5,397,295
Other nonmetallic minerals services	<1	51,204	116,258	196,289
Electric power generation - Hydroelectric	3	821,805	1,984,054	3,383,155
Electric power generation - Fossil fuel	18	3,142,163	9,832,551	24,927,683
Electric power generation - Nuclear	7	1,797,585	3,348,902	6,766,936
Electric power generation - Solar	<1	74,720	230,243	469,222
Electric power generation - Wind	7	1,172,931	8,345,085	16,545,926
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	35,328	124,615	332,436
Electric power generation - All other	<1	73,868	51,090	162,104
Electric power transmission and distribution	67	12,131,709	35,246,542	85,031,789
Natural gas distribution	16	3,107,238	7,295,958	14,672,661
Water, sewage and other systems	12	1,286,600	2,306,414	4,140,197
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	95	7,180,743	7,860,736	15,749,088
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	150	10,481,549	14,111,110	31,858,889
Maintenance and repair construction of residential structures	65	4,311,109	5,716,765	12,812,581
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7,202	9,870	22,053
Dog and cat food manufacturing	3	218,485	775,100	3,122,976
Other animal food manufacturing	11	804,968	1,483,186	11,023,219
Flour milling	5	428,202	920,062	5,300,885
Rice milling	1	79,961	145,614	793,231
Malt manufacturing	<1	46,059	95,070	500,586
Wet corn milling	<1	19,068	61,093	734,279
Soybean and other oilseed processing	2	146,833	980,274	8,638,655
Fats and oils refining and blending	1	121,602	275,391	2,229,383
Breakfast cereal manufacturing	<1	1,106	3,299	23,175
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	86,647	270,163	965,774
Nonchocolate confectionery manufacturing	3	158,208	268,942	1,211,109
Chocolate and confectionery manufacturing from cacao beans	<1	6,354	10,685	51,229
Confectionery manufacturing from purchased chocolate	9	479,148	720,886	3,002,742
Frozen fruits, juices and vegetables manufacturing	2	60,130	140,494	693,055
Frozen specialties manufacturing	17	902,610	1,375,870	5,784,734
Canned fruits and vegetables manufacturing	4	245,968	577,160	2,194,335
Canned specialties	4	336,362	982,628	3,722,183
Dehydrated food products manufacturing	<1	27,413	56,952	217,837
Cheese manufacturing	4	247,637	390,924	3,658,813
Dry, condensed, and evaporated dairy product manufacturing	6	458,557	1,298,391	7,358,823
Fluid milk manufacturing	6	420,255	750,692	4,241,216
Creamery butter manufacturing	<1	62,002	343,961	1,772,672
Ice cream and frozen dessert manufacturing	2	121,956	184,345	872,077
Frozen cakes and other pastries manufacturing	32	1,095,285	1,531,822	2,811,495

Appendix

Poultry processing	56	2,722,084	3,601,556	16,459,190
Animal, except poultry, slaughtering	42	2,472,764	3,257,350	25,469,909
Meat processed from carcasses	31	1,798,434	1,774,647	14,091,594
Rendering and meat byproduct processing	2	158,264	167,634	850,490
Seafood product preparation and packaging	6	285,223	390,851	2,296,710
Bread and bakery product, except frozen, manufacturing	67	2,864,437	4,250,395	9,897,365
Cookie and cracker manufacturing	5	191,036	309,536	1,576,369
Dry pasta, mixes, and dough manufacturing	3	192,393	499,805	1,584,577
Tortilla manufacturing	6	254,541	335,476	1,290,845
Roasted nuts and peanut butter manufacturing	4	247,811	593,518	1,943,572
Other snack food manufacturing	13	922,135	2,435,887	7,124,335
Coffee and tea manufacturing	2	154,047	328,278	1,569,140
Flavoring syrup and concentrate manufacturing	2	228,814	2,204,421	4,271,456
Mayonnaise, dressing, and sauce manufacturing	4	220,814	489,813	1,985,237
Spice and extract manufacturing	3	296,420	551,523	2,144,971
All other food manufacturing	10	470,422	765,129	3,736,923
Bottled and canned soft drinks & water	18	1,591,651	2,907,467	11,284,851
Manufactured ice	1	69,597	51,162	194,398
Breweries	14	1,047,764	2,480,733	5,762,598
Wineries	9	391,931	697,622	2,596,953
Distilleries	6	580,563	2,814,829	5,957,442
Tobacco product manufacturing	<1	27,215	738,981	1,182,189
Fiber, yarn, and thread mills	<1	20,236	31,747	180,638
Broadwoven fabric mills	2	108,590	182,978	647,419
Narrow fabric mills and schiffli machine embroidery	<1	16,586	18,273	49,118
Nonwoven fabric mills	2	132,627	245,705	1,007,225
Knit fabric mills	<1	2,687	3,496	10,532
Textile and fabric finishing mills	<1	30,238	40,018	181,258
Fabric coating mills	1	78,103	105,443	491,542
Carpet and rug mills	<1	54,640	96,023	354,363
Curtain and linen mills	3	120,184	158,405	592,476
Textile bag and canvas mills	3	144,950	175,465	529,979
Rope, cordage, twine, tire cord and tire fabric mills	2	122,757	190,193	555,979
Other textile product mills	5	194,483	238,169	773,082
Hosiery and sock mills	1	24,765	38,855	93,861

Appendix

Other apparel knitting mills	1	20,888	32,644	83,300
Cut and sew apparel contractors	6	170,478	182,832	435,505
Mens and boys cut and sew apparel manufacturing	6	147,371	164,862	507,542
Womens and girls cut and sew apparel manufacturing	2	32,707	46,152	235,730
Other cut and sew apparel manufacturing	3	56,002	71,515	270,822
Apparel accessories and other apparel manufacturing	5	114,588	135,036	492,211
Leather and hide tanning and finishing	<1	34,782	41,829	202,657
Footwear manufacturing	10	406,455	431,056	1,305,270
Other leather and allied product manufacturing	2	61,450	63,512	182,581
Sawmills	7	434,058	688,451	2,351,809
Wood preservation	<1	64,052	177,278	582,880
Veneer and plywood manufacturing	4	231,914	365,918	1,090,854
Engineered wood member and truss manufacturing	4	225,241	341,737	940,708
Reconstituted wood product manufacturing	2	158,082	382,525	1,249,942
Wood windows and door manufacturing	11	641,851	896,634	2,504,049
Cut stock, resawing lumber, and planing	<1	42,699	76,802	232,936
Other millwork, including flooring	5	244,010	394,940	1,103,312
Wood container and pallet manufacturing	8	376,499	518,009	1,408,995
Manufactured home (mobile home) manufacturing	<1	1,724	2,183	5,911
Prefabricated wood building manufacturing	<1	23,885	33,161	88,593
All other miscellaneous wood product manufacturing	2	85,721	128,371	393,255
Pulp mills	<1	29,998	39,900	225,796
Paper mills	2	131,924	223,594	1,129,360
Paperboard mills	10	1,164,693	2,166,055	8,948,077
Paperboard container manufacturing	22	1,770,110	2,377,943	11,114,483
Paper bag and coated and treated paper manufacturing	16	1,153,452	1,751,013	7,466,678
Stationery product manufacturing	2	124,747	167,662	782,550
Sanitary paper product manufacturing	6	740,491	1,592,533	4,971,466
All other converted paper product manufacturing	2	194,355	254,029	803,123

Appendix

Printing	101	5,383,277	6,953,742	16,350,491
Support activities for printing	5	266,133	330,253	560,333
Petroleum refineries	13	5,970,575	22,923,052	94,741,035
Asphalt paving mixture and block manufacturing	<1	168,030	218,541	789,870
Asphalt shingle and coating materials manufacturing	<1	177,907	390,194	804,754
Petroleum lubricating oil and grease manufacturing	6	2,144,615	4,129,259	8,828,681
All other petroleum and coal products manufacturing	<1	215,410	533,726	1,163,918
Petrochemical manufacturing	19	3,691,002	29,094,043	117,380,294
Industrial gas manufacturing	9	1,994,518	4,084,059	9,766,119
Synthetic dye and pigment manufacturing	3	473,395	941,074	2,372,599
Other basic inorganic chemical manufacturing	6	1,141,223	2,488,843	6,539,386
Other basic organic chemical manufacturing	21	3,417,254	6,801,235	35,110,836
Plastics material and resin manufacturing	18	3,383,752	5,493,513	27,011,914
Synthetic rubber manufacturing	1	218,125	327,616	1,425,276
Artificial and synthetic fibers and filaments manufacturing	<1	34,048	48,256	156,000
Nitrogenous fertilizer manufacturing	<1	133,240	322,884	937,643
Phosphatic fertilizer manufacturing	<1	29,003	61,247	192,950
Fertilizer mixing	<1	88,133	175,341	585,141
Pesticide and other agricultural chemical manufacturing	3	402,481	1,180,375	4,246,659
Medicinal and botanical manufacturing	<1	89,405	147,240	446,904
Pharmaceutical preparation manufacturing	26	3,865,961	13,006,796	35,052,327
In-vitro diagnostic substance manufacturing	<1	33,357	48,713	127,540
Biological product (except diagnostic) manufacturing	2	166,936	346,983	863,669
Paint and coating manufacturing	8	1,058,384	2,041,756	6,773,820
Adhesive manufacturing	4	384,470	625,385	2,419,472
Soap and other detergent manufacturing	4	446,225	1,403,766	5,642,357
Polish and other sanitation good manufacturing	4	382,738	589,000	1,816,984
Surface active agent manufacturing	<1	39,153	130,031	396,053
Toilet preparation manufacturing	7	724,719	2,359,009	6,132,078
Printing ink manufacturing	1	149,846	161,708	652,640

Appendix

Explosives manufacturing	<1	63,109	71,054	188,710
Custom compounding of purchased resins	5	446,985	818,532	2,913,771
Photographic film and chemical manufacturing	3	367,141	824,268	2,721,201
Other miscellaneous chemical product manufacturing	8	1,061,790	1,762,858	5,667,722
Plastics packaging materials and unlaminated film and sheet manufacturing	20	1,371,828	2,381,757	9,128,966
Unlaminated plastics profile shape manufacturing	4	248,861	587,848	1,878,091
Plastics pipe and pipe fitting manufacturing	5	478,141	1,400,712	3,537,186
Laminated plastics plate, sheet (except packaging), and shape manufacturing	4	305,721	603,324	1,566,185
Polystyrene foam product manufacturing	10	583,269	1,038,931	3,580,663
Urethane and other foam product (except polystyrene) manufacturing	11	635,059	1,078,771	4,133,638
Plastics bottle manufacturing	6	349,925	588,888	2,621,496
Other plastics product manufacturing	41	2,556,971	3,874,659	11,882,440
Tire manufacturing	3	171,226	270,572	1,223,483
Rubber and plastics hoses and belting manufacturing	2	144,620	224,151	622,914
Other rubber product manufacturing	14	1,036,572	1,511,526	4,467,868
Pottery, ceramics, and plumbing fixture manufacturing	2	160,228	237,722	500,485
Brick, tile, and other structural clay product manufacturing	3	212,210	378,128	761,257
Flat glass manufacturing	2	130,541	287,147	615,809
Other pressed and blown glass and glassware manufacturing	7	561,154	1,017,491	2,170,923
Glass container manufacturing	3	260,948	433,029	927,589
Glass product manufacturing made of purchased glass	5	403,738	704,093	1,478,771
Cement manufacturing	1	170,261	431,778	943,016
Ready-mix concrete manufacturing	10	843,691	1,481,462	4,083,880
Concrete block and brick manufacturing	2	147,458	274,513	602,879
Concrete pipe manufacturing	<1	81,484	143,624	312,504
Other concrete product manufacturing	6	429,592	615,766	1,362,552
Lime manufacturing	1	86,632	216,244	526,974
Gypsum product manufacturing	2	213,721	576,364	1,370,017

Appendix

Abrasive product manufacturing	1	105,611	307,443	498,464
Cut stone and stone product manufacturing	3	183,899	221,056	446,407
Ground or treated mineral and earth manufacturing	<1	19,692	53,062	118,628
Mineral wool manufacturing	1	127,310	308,536	625,397
Miscellaneous nonmetallic mineral products manufacturing	<1	67,135	196,593	414,004
Iron and steel mills and ferroalloy manufacturing	9	913,769	1,695,186	11,045,805
Iron, steel pipe and tube manufacturing from purchased steel	4	288,064	492,566	2,166,138
Rolled steel shape manufacturing	2	234,192	494,751	2,059,055
Steel wire drawing	2	131,887	195,521	850,525
Alumina refining and primary aluminum production	<1	64,441	98,505	521,227
Secondary smelting and alloying of aluminum	<1	26,012	46,369	408,550
Aluminum sheet, plate, and foil manufacturing	1	111,157	223,541	1,267,451
Other aluminum rolling, drawing and extruding	4	269,613	384,624	2,007,301
Nonferrous metal (exc aluminum) smelting and refining	1	103,444	453,231	1,593,847
Copper rolling, drawing, extruding and alloying	6	552,219	832,935	6,856,691
Nonferrous metal, except copper and aluminum, shaping	<1	39,078	47,717	175,589
Secondary processing of other nonferrous metals	<1	9,657	17,491	116,209
Ferrous metal foundries	5	311,485	466,913	1,277,727
Nonferrous metal foundries	3	196,605	283,857	844,695
Custom roll forming	<1	21,948	37,005	163,250
Crown and closure manufacturing and metal stamping	6	412,435	521,961	1,517,021
Iron and steel forging	4	371,854	602,598	1,846,784
Nonferrous forging	<1	26,954	39,458	153,728
Cutlery, utensil, pot, and pan manufacturing	1	89,023	231,533	589,458
Handtool manufacturing	3	226,260	370,171	842,453
Prefabricated metal buildings and components manufacturing	4	290,848	410,979	1,267,609
Fabricated structural metal manufacturing	17	1,264,721	1,867,084	5,828,119
Plate work manufacturing	9	654,578	719,464	2,085,703
Metal window and door manufacturing	8	513,474	698,400	1,880,208
Sheet metal work manufacturing	12	782,033	1,038,106	2,856,963

Appendix

Ornamental and architectural metal work manufacturing	7	453,510	589,831	1,640,796
Power boiler and heat exchanger manufacturing	1	99,673	143,179	350,096
Metal tank (heavy gauge) manufacturing	3	243,530	310,365	896,708
Metal cans manufacturing	2	168,253	375,341	1,624,358
Metal barrels, drums and pails manufacturing	2	110,017	136,681	504,574
Hardware manufacturing	2	164,240	257,175	800,837
Spring and wire product manufacturing	5	357,973	491,395	1,479,389
Machine shops	47	3,346,274	4,102,531	8,300,151
Turned product and screw, nut, and bolt manufacturing	6	396,785	584,842	1,629,582
Metal heat treating	5	359,347	522,650	1,267,717
Metal coating and nonprecious engraving	9	601,512	1,058,634	2,526,011
Electroplating, anodizing, and coloring metal	6	393,366	449,781	1,015,139
Valve and fittings, other than plumbing, manufacturing	6	515,310	817,075	2,042,793
Plumbing fixture fitting and trim manufacturing	2	89,223	248,320	887,756
Ball and roller bearing manufacturing	2	141,393	254,814	601,659
Small arms ammunition manufacturing	<1	34,887	71,773	144,480
Ammunition, except for small arms, manufacturing	<1	103,786	126,401	251,104
Small arms, ordnance, and accessories manufacturing	2	91,930	175,449	483,523
Fabricated pipe and pipe fitting manufacturing	4	284,804	355,584	925,608
Other fabricated metal manufacturing	8	577,510	761,118	1,956,255
Farm machinery and equipment manufacturing	<1	37,520	61,006	265,743
Lawn and garden equipment manufacturing	<1	12,042	20,253	104,594
Construction machinery manufacturing	<1	19,077	39,573	132,073
Mining machinery and equipment manufacturing	<1	15,386	23,060	62,540
Oil and gas field machinery and equipment manufacturing	1	158,991	245,284	686,713
Semiconductor machinery manufacturing	<1	18,617	21,374	69,518
Food product machinery manufacturing	<1	4,391	5,005	17,434

Appendix

Sawmill, woodworking, and paper machinery	<1	6,001	6,629	18,414
Printing machinery and equipment manufacturing	<1	5,448	5,997	19,293
All other industrial machinery manufacturing	<1	35,325	43,806	109,987
Optical instrument and lens manufacturing	<1	2,911	4,011	11,748
Photographic and photocopying equipment manufacturing	<1	1,983	2,565	9,719
Other commercial service industry machinery manufacturing	<1	51,940	80,895	249,326
Air purification and ventilation equipment manufacturing	2	153,339	204,284	612,504
Heating equipment (except warm air furnaces) manufacturing	<1	63,929	92,192	274,880
Air conditioning, refrigeration, and warm air heating equipment manufacturing	10	711,763	1,212,809	4,002,343
Industrial mold manufacturing	<1	26,037	29,830	72,085
Special tool, die, jig, and fixture manufacturing	<1	18,159	22,916	48,855
Cutting tool and machine tool accessory manufacturing	<1	30,419	33,840	83,729
Machine tool manufacturing	<1	10,784	13,260	46,355
Rolling mill and other metalworking machinery manufacturing	<1	66,591	77,198	195,869
Turbine and turbine generator set units manufacturing	<1	9,203	11,588	41,640
Speed changer, industrial high-speed drive, and gear manufacturing	1	95,115	136,175	403,716
Mechanical power transmission equipment manufacturing	3	239,187	361,101	930,150
Other engine equipment manufacturing	4	433,992	853,585	4,175,401
Pump and pumping equipment manufacturing	<1	35,536	58,551	178,794
Air and gas compressor manufacturing	<1	27,113	47,670	142,316
Elevator and moving stairway manufacturing	<1	9,626	13,064	39,021
Conveyor and conveying equipment manufacturing	<1	19,233	21,436	68,321
Overhead cranes, hoists, and monorail systems manufacturing	<1	4,112	6,887	22,649
Industrial truck, trailer, and stacker manufacturing	<1	46,253	70,986	240,518

Appendix

Power-driven handtool manufacturing	<1	3,096	7,255	23,308
Welding and soldering equipment manufacturing	<1	23,518	32,178	100,284
Packaging machinery manufacturing	<1	9,404	12,652	41,047
Industrial process furnace and oven manufacturing	<1	5,771	6,641	17,972
Fluid power cylinder and actuator manufacturing	1	116,789	157,702	389,341
Fluid power pump and motor manufacturing	<1	23,370	35,022	126,212
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	35,493	42,462	130,248
Electronic computer manufacturing	5	1,199,219	3,193,576	6,586,516
Computer storage device manufacturing	<1	15,198	51,449	96,043
Computer terminals and other computer peripheral equipment manufacturing	4	620,182	1,277,264	2,357,336
Telephone apparatus manufacturing	3	642,562	1,205,794	2,393,364
Broadcast and wireless communications equipment manufacturing	<1	49,650	93,668	204,021
Other communications equipment manufacturing	2	282,836	589,405	1,228,142
Audio and video equipment manufacturing	<1	30,673	64,720	174,885
Printed circuit assembly (electronic assembly) manufacturing	17	1,178,729	2,715,342	8,272,934
Bare printed circuit board manufacturing	2	270,512	408,422	798,411
Semiconductor and related device manufacturing	91	14,517,835	30,207,355	63,946,960
Capacitor, resistor, coil, transformer, and other inductor manufacturing	1	82,889	137,520	355,811
Electronic connector manufacturing	13	988,554	1,835,312	4,849,773
Other electronic component manufacturing	12	1,288,293	1,992,542	4,076,192
Electromedical and electrotherapeutic apparatus manufacturing	<1	31,191	78,878	154,116
Search, detection, and navigation instruments manufacturing	1	185,598	419,476	666,137
Automatic environmental control manufacturing	2	145,032	223,193	520,562

Appendix

Industrial process variable instruments manufacturing	1	118,497	228,605	463,694
Totalizing fluid meter and counting device manufacturing	1	109,331	315,843	608,607
Electricity and signal testing instruments manufacturing	<1	19,149	37,732	109,890
Analytical laboratory instrument manufacturing	2	232,159	507,238	957,571
Irradiation apparatus manufacturing	<1	975	2,592	5,884
Watch, clock, and other measuring and controlling device manufacturing	<1	35,216	86,064	206,262
Blank magnetic and optical recording media manufacturing	<1	9,463	40,305	73,165
Software and other prerecorded and record reproducing	<1	189,141	320,932	487,666
Electric lamp bulb and part manufacturing	2	187,895	305,306	864,790
Lighting fixture manufacturing	6	610,663	796,328	2,181,030
Small electrical appliance manufacturing	1	71,839	126,831	611,273
Household cooking appliance manufacturing	<1	30,530	51,154	142,787
Household refrigerator and home freezer manufacturing	<1	32,931	56,681	153,516
Household laundry equipment manufacturing	<1	77,885	111,364	370,845
Other major household appliance manufacturing	<1	12,669	22,867	58,566
Power, distribution, and specialty transformer manufacturing	<1	12,944	17,110	52,048
Motor and generator manufacturing	3	302,787	438,446	1,312,419
Switchgear and switchboard apparatus manufacturing	4	419,992	608,836	1,709,991
Relay and industrial control manufacturing	2	208,921	259,147	677,626
Storage battery manufacturing	1	89,919	113,533	330,905
Primary battery manufacturing	3	218,053	78,643	682,958
Fiber optic cable manufacturing	5	430,435	507,338	2,103,611
Other communication and energy wire manufacturing	1	142,144	189,368	676,047
Wiring device manufacturing	5	471,013	720,686	1,917,210
Carbon and graphite product manufacturing	3	323,187	464,675	1,428,171
All other miscellaneous electrical equipment and component manufacturing	1	125,401	135,666	364,435
Automobile manufacturing	<1	84,117	744,928	1,220,364

Appendix

Light truck and utility vehicle manufacturing	6	685,811	3,189,285	13,690,836
Heavy duty truck manufacturing	<1	7,686	42,774	108,206
Motor vehicle body manufacturing	<1	16,587	34,013	98,162
Truck trailer manufacturing	<1	4,011	7,635	24,056
Motor home manufacturing	4	293,351	741,572	2,001,368
Travel trailer and camper manufacturing	9	586,833	746,782	2,837,127
Motor vehicle gasoline engine and engine parts manufacturing	5	371,205	929,435	3,190,780
Motor vehicle electrical and electronic equipment manufacturing	15	1,096,968	2,050,538	7,958,496
Motor vehicle transmission and power train parts manufacturing	5	323,970	824,874	2,978,074
Motor vehicle seating and interior trim manufacturing	4	298,299	465,728	1,859,163
Motor vehicle metal stamping	8	607,084	1,045,360	3,364,618
Other motor vehicle parts manufacturing	17	1,317,420	2,796,448	9,120,199
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	2	164,979	467,269	1,302,377
Aircraft manufacturing	<1	98,859	190,562	630,501
Aircraft engine and engine parts manufacturing	34	3,918,513	8,919,033	23,466,975
Other aircraft parts and auxiliary equipment manufacturing	21	2,630,751	3,761,105	7,818,852
Guided missile and space vehicle manufacturing	3	544,362	870,377	1,836,251
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	3,426	5,626	11,031
Railroad rolling stock manufacturing	<1	23,540	27,466	114,389
Ship building and repairing	<1	46,767	57,033	137,299
Boat building	4	206,906	276,090	1,093,937
Motorcycle, bicycle, and parts manufacturing	<1	10,521	32,005	109,453
Military armored vehicle, tank, and tank component manufacturing	<1	21,668	42,378	139,621
All other transportation equipment manufacturing	2	104,365	190,273	969,768
Wood kitchen cabinet and countertop manufacturing	19	925,529	1,050,615	2,768,328
Upholstered household furniture manufacturing	7	337,207	361,213	1,208,632

Appendix

Nonupholstered wood household furniture manufacturing	3	158,162	168,218	498,048
Other household nonupholstered furniture manufacturing	<1	49,307	62,304	283,747
Institutional furniture manufacturing	<1	22,335	23,472	76,309
Wood office furniture manufacturing	<1	6,624	7,586	25,896
Custom architectural woodwork and millwork	<1	13,693	12,476	40,486
Office furniture, except wood, manufacturing	2	143,440	181,818	660,195
Showcase, partition, shelving, and locker manufacturing	2	85,304	99,563	325,950
Mattress manufacturing	5	265,290	347,422	1,596,190
Blind and shade manufacturing	1	56,026	57,634	238,874
Surgical and medical instrument manufacturing	2	123,142	177,513	489,053
Surgical appliance and supplies manufacturing	6	532,452	798,576	1,969,602
Dental equipment and supplies manufacturing	<1	29,243	38,890	98,898
Ophthalmic goods manufacturing	5	273,649	407,258	1,018,353
Dental laboratories	4	241,811	247,093	442,330
Jewelry and silverware manufacturing	7	423,526	589,285	1,480,566
Sporting and athletic goods manufacturing	4	259,223	316,063	1,033,817
Doll, toy, and game manufacturing	1	72,250	92,769	325,492
Office supplies (except paper) manufacturing	3	135,780	170,062	639,245
Sign manufacturing	4	295,028	255,644	628,667
Gasket, packing, and sealing device manufacturing	5	397,829	448,482	1,080,405
Musical instrument manufacturing	<1	16,829	17,364	44,356
Fasteners, buttons, needles, and pins manufacturing	<1	12,811	14,978	37,859
Broom, brush, and mop manufacturing	<1	38,538	45,770	162,807
Burial casket manufacturing	<1	18,218	20,913	45,814
All other miscellaneous manufacturing	6	448,604	543,799	1,456,777
Wholesale - Motor vehicle and motor vehicle parts and supplies	30	2,329,946	5,590,331	11,487,363
Wholesale - Professional and commercial equipment and supplies	89	11,668,225	18,897,586	29,982,629

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Wholesale - Household appliances and electrical and electronic goods	52	5,891,401	14,633,243	27,601,144
Wholesale - Machinery, equipment, and supplies	56	5,459,158	10,712,758	17,242,400
Wholesale - Other durable goods merchant wholesalers	115	9,617,078	16,761,063	30,635,505
Wholesale - Drugs and druggists' sundries	41	6,090,581	19,529,248	33,708,696
Wholesale - Grocery and related product wholesalers	117	8,439,314	11,816,801	22,900,741
Wholesale - Petroleum and petroleum products	28	4,308,529	18,734,649	23,683,579
Wholesale - Other nondurable goods merchant wholesalers	149	13,198,355	25,348,994	45,775,918
Wholesale - Wholesale electronic markets and agents and brokers	70	7,937,488	8,239,912	9,544,637
Retail - Motor vehicle and parts dealers	141	9,640,200	14,098,857	20,164,662
Retail - Furniture and home furnishings stores	104	4,694,276	6,062,138	9,803,016
Retail - Electronics and appliance stores	104	6,025,223	5,405,203	9,205,117
Retail - Building material and garden equipment and supplies stores	104	4,681,880	8,122,432	12,051,837
Retail - Food and beverage stores	414	14,592,030	19,070,839	30,951,607
Retail - Health and personal care stores	192	8,772,523	10,721,463	16,566,395
Retail - Gasoline stores	131	4,994,795	7,838,834	14,188,762
Retail - Clothing and clothing accessories stores	248	6,941,729	10,708,601	22,314,281
Retail - Sporting goods, hobby, musical instrument and book stores	127	3,666,030	4,729,578	7,677,992
Retail - General merchandise stores	447	14,324,446	20,457,850	33,571,852
Retail - Miscellaneous store retailers	257	6,405,560	7,646,388	12,790,540
Retail - Nonstore retailers	289	8,087,281	24,379,147	48,115,565
Air transportation	99	11,826,781	21,845,318	39,051,529
Rail transportation	21	2,677,568	5,970,823	10,326,420
Water transportation	13	1,490,820	2,322,554	9,068,081
Truck transportation	286	17,995,079	21,163,338	43,148,427
Transit and ground passenger transportation	309	3,255,791	3,327,815	6,773,523
Pipeline transportation	16	23,908,553	12,174,108	13,712,584
Scenic and sightseeing transportation and support activities for transportation	229	15,483,066	16,944,691	34,212,529

Appendix

Couriers and messengers	180	5,302,547	7,626,222	14,165,581
Warehousing and storage	262	10,165,472	11,761,830	23,308,172
Newspaper publishers	19	1,232,754	2,071,493	2,554,982
Periodical publishers	13	1,107,683	1,735,913	2,656,254
Book publishers	9	841,066	2,499,305	3,960,863
Directory, mailing list, and other publishers	9	915,756	2,479,402	3,259,060
Greeting card publishing	<1	1,437	3,825	4,567
Software publishers	80	11,975,764	26,079,256	28,700,126
Motion picture and video industries	62	2,714,421	4,417,018	13,697,849
Sound recording industries	4	245,805	1,210,909	2,390,150
Radio and television broadcasting	46	4,444,029	6,187,452	18,296,374
Cable and other subscription programming	6	533,665	3,909,713	10,069,432
Wired telecommunications carriers	78	10,333,942	25,633,382	42,058,875
Wireless telecommunications carriers (except satellite)	21	2,662,939	18,852,060	41,918,206
Satellite, telecommunications resellers, and all other telecommunications	17	2,006,356	3,521,397	7,911,322
Data processing, hosting, and related services	186	22,340,307	35,929,628	93,502,282
News syndicates, libraries, archives and all other information services	10	667,678	923,489	2,091,961
Internet publishing and broadcasting and web search portals	42	6,552,390	11,547,905	45,039,081
Nondepository credit intermediation and related activities	182	19,663,362	23,371,253	38,875,074
Securities and commodity contracts intermediation and brokerage	340	22,863,945	19,823,552	42,965,393
Monetary authorities and depository credit intermediation	404	42,455,375	89,725,032	158,677,281
Other financial investment activities	354	20,654,591	25,279,478	72,478,789
Direct life insurance carriers	87	8,074,792	15,419,642	23,111,019
Insurance carriers, except direct life	209	19,495,728	60,377,103	125,469,711
Insurance agencies, brokerages, and related activities	298	23,340,886	36,530,305	86,129,611
Funds, trusts, and other financial vehicles	92	9,206,525	13,843,287	35,861,328
Other real estate	1,754	49,879,589	125,785,462	331,768,370
Tenant-occupied housing	233	6,348,507	48,864,111	59,144,366

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Owner-occupied dwellings	0	0	169,031,962	214,578,653
Automotive equipment rental and leasing	53	3,233,822	9,192,797	13,221,729
General and consumer goods rental except video tapes and discs	49	3,307,283	4,433,916	7,149,297
Video tape and disc rental	15	798,338	1,380,412	2,067,233
Commercial and industrial machinery and equipment rental and leasing	50	4,798,707	12,455,742	17,222,107
Lessors of nonfinancial intangible assets	7	991,060	17,381,171	19,125,260
Legal services	549	56,731,693	88,152,055	118,773,954
Accounting, tax preparation, bookkeeping, and payroll services	277	22,944,715	29,474,147	41,884,675
Architectural, engineering, and related services	666	65,252,090	71,044,597	116,170,030
Specialized design services	26	1,949,878	2,972,257	4,470,785
Custom computer programming services	107	11,328,063	11,752,795	15,964,864
Computer systems design services	143	14,818,092	14,009,362	17,732,575
Other computer related services, including facilities management	42	4,671,869	6,932,880	11,565,614
Management consulting services	977	99,635,187	102,909,198	155,455,623
Environmental and other technical consulting services	112	11,420,523	11,885,392	16,708,400
Scientific research and development services	7,927	772,598,236	1,154,876,816	2,010,746,916
Advertising, public relations, and related services	167	13,301,237	17,319,489	29,935,568
Photographic services	13	497,362	1,141,554	2,261,489
Veterinary services	54	2,762,505	3,354,275	5,158,693
Marketing research and all other miscellaneous professional, scientific, and technical services	187	16,561,836	28,634,255	49,448,112
Management of companies and enterprises	635	73,279,530	86,500,158	144,585,655
Office administrative services	269	19,024,076	9,367,455	20,047,137
Facilities support services	118	6,781,543	10,402,632	20,600,850
Employment services	1,438	63,191,504	95,211,944	137,112,991
Business support services	300	13,904,921	11,988,326	20,956,242
Travel arrangement and reservation services	73	4,109,504	5,463,766	12,164,237
Investigation and security services	225	8,547,163	8,442,234	12,444,846
Services to buildings	404	12,148,719	17,136,282	31,968,949
Landscape and horticultural services	176	7,010,428	8,704,204	15,236,485

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Other support services	65	3,221,987	4,195,158	7,818,201
Waste management and remediation services	69	5,632,592	9,770,409	16,894,548
Elementary and secondary schools	171	7,673,557	6,962,967	8,148,427
Junior colleges, colleges, universities, and professional schools	551	25,559,693	37,228,591	48,558,766
Other educational services	156	5,939,416	6,764,721	13,076,599
Offices of physicians	505	56,919,144	58,932,330	81,953,420
Offices of dentists	163	11,181,633	13,485,155	19,171,397
Offices of other health practitioners	150	8,790,138	12,021,104	16,091,255
Outpatient care centers	138	10,797,759	9,740,602	16,289,192
Medical and diagnostic laboratories	54	4,391,349	5,967,164	8,631,290
Home health care services	454	13,540,074	12,868,010	18,625,759
Other ambulatory health care services	54	3,371,908	3,680,831	5,935,432
Hospitals	752	67,800,512	76,095,566	142,962,670
Nursing and community care facilities	258	10,015,940	10,979,229	19,875,374
Residential mental retardation, mental health, substance abuse and other facilities	83	3,530,579	3,747,925	5,849,301
Individual and family services	386	9,696,854	7,803,448	12,754,486
Child day care services	212	5,366,653	6,795,896	9,879,769
Community food, housing, and other relief services, including rehabilitation services	100	3,355,248	3,260,768	7,388,092
Performing arts companies	48	1,591,080	2,328,922	3,701,784
Commercial Sports Except Racing	150	7,097,609	6,520,556	9,144,604
Racing and Track Operation	8	300,610	601,257	901,301
Independent artists, writers, and performers	53	1,958,514	6,704,142	8,856,302
Promoters of performing arts and sports and agents for public figures	56	1,721,952	3,287,787	5,854,085
Museums, historical sites, zoos, and parks	23	952,989	1,267,437	2,176,352
Amusement parks and arcades	27	533,605	1,486,145	2,159,881
Gambling industries (except casino hotels)	71	2,409,642	5,002,925	8,579,143
Other amusement and recreation industries	94	2,318,718	2,786,324	5,244,771
Fitness and recreational sports centers	86	1,722,868	2,431,092	4,419,580
Bowling centers	14	320,664	505,806	921,932

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Hotels and motels, including casino hotels	380	13,552,541	24,157,977	39,163,590
Other accommodations	86	3,694,946	5,119,081	6,808,943
Full-service restaurants	1,057	28,092,545	38,559,244	67,362,898
Limited-service restaurants	879	19,708,229	29,361,485	65,276,769
All other food and drinking places	552	17,477,713	23,236,506	35,455,062
Automotive repair and maintenance, except car washes	300	16,661,118	19,509,051	28,637,536
Car washes	154	8,681,231	12,640,601	19,044,191
Electronic and precision equipment repair and maintenance	1,347	98,125,497	127,515,353	197,123,143
Commercial and industrial machinery and equipment repair and maintenance	100	7,590,295	8,038,533	11,759,573
Personal and household goods repair and maintenance	44	2,121,599	4,083,464	5,756,042
Personal care services	258	7,432,146	6,738,663	9,086,811
Death care services	54	1,782,127	1,273,109	1,832,601
Dry-cleaning and laundry services	140	4,194,262	2,851,772	3,929,769
Other personal services	176	5,408,229	6,611,222	9,758,092
Religious organizations	324	15,423,399	9,479,911	29,081,520
Grantmaking, giving, and social advocacy organizations	107	6,476,358	22,343,179	32,941,621
Business and professional associations	39	3,170,883	5,806,720	9,647,569
Labor and civic organizations	87	2,586,515	8,009,061	13,541,337
Private households	225	3,457,867	3,457,341	3,457,341
Postal service	83	7,594,410	7,595,667	8,079,719
Federal electric utilities	0	0	0	0
Other federal government enterprises	73	3,243,401	1,294,498	12,298,075
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	5	862,302	1,083,456	1,600,832
Local government passenger transit	23	1,785,425	-568,181	1,812,148
Local government electric utilities	13	1,698,275	4,972,629	8,628,196
Other local government enterprises	119	10,151,258	23,443,556	43,066,014
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,948	573,108,797	627,857,809	1,436,367,995

Moon to Mars Campaign

Table 755: Detailed M2M Campaign Impacts by Types of Impact, Texas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>14,144</i>	<i>1,120,095,647</i>	<i>1,701,283,266</i>	<i>3,142,185,405</i>
Oilseed farming	<1	1,430	120,449	205,377
Grain farming	23	246,981	327,779	3,782,296
Vegetable and melon farming	4	58,761	163,681	295,237
Fruit farming	3	39,885	122,646	161,042
Tree nut farming	2	33,019	100,044	124,689
Greenhouse, nursery, and floriculture production	8	176,819	312,298	564,096
Tobacco farming	0	0	0	0
Cotton farming	3	79,855	134,041	240,557
Sugarcane and sugar beet farming	<1	15,575	25,226	50,202
All other crop farming	38	163,419	273,591	558,263
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	71	102,652	1,385,545	5,120,384
Dairy cattle and milk production	7	85,966	330,400	1,910,344
Poultry and egg production	7	134,731	277,286	2,395,816
Animal production, except cattle and poultry and eggs	17	95,805	867,085	1,234,744
Forestry, forest products, and timber tract production	<1	62,651	66,348	83,757
Commercial logging	2	100,328	92,183	172,147
Commercial fishing	4	23,475	211,388	248,271
Commercial hunting and trapping	<1	23,577	94,829	119,504
Support activities for agriculture and forestry	42	1,321,736	1,182,652	1,545,634
Oil and gas extraction	25	4,998,255	12,819,294	20,616,222

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Coal mining	5	313,255	864,509	1,691,784
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	1,345	3,925	28,881
Gold ore mining	<1	2,139	5,516	16,500
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	38,699	84,549	188,474
Other metal ore mining	0	0	0	0
Stone mining and quarrying	1	69,593	236,735	455,111
Sand and gravel mining	2	131,727	281,110	509,318
Other clay, ceramic, refractory minerals mining	<1	16,332	34,831	69,687
Potash, soda, and borate mineral mining	<1	13,730	23,532	44,591
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	21,013	43,195	80,430
Other nonmetallic minerals	<1	13,413	27,666	56,363
Drilling oil and gas wells	<1	2,722	5,879	10,536
Support activities for oil and gas operations	<1	39,947	63,944	110,169
Metal mining services	2	313,638	817,972	1,504,029
Other nonmetallic minerals services	<1	13,069	36,843	60,043
Electric power generation - Hydroelectric	<1	234,879	565,126	941,201
Electric power generation - Fossil fuel	6	1,168,514	3,496,488	8,191,722
Electric power generation - Nuclear	2	623,457	1,182,288	2,267,598
Electric power generation - Solar	<1	18,926	60,764	121,709
Electric power generation - Wind	2	297,155	2,108,559	4,088,760
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	9,118	34,440	85,440
Electric power generation - All other	<1	27,538	19,487	54,923
Electric power transmission and distribution	19	3,741,126	10,839,023	24,849,090
Natural gas distribution	6	1,172,538	2,844,172	5,461,812
Water, sewage and other systems	3	437,544	754,855	1,273,601
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	52	3,709,616	5,036,366	11,135,521
Maintenance and repair construction of residential structures	22	1,493,107	1,988,641	4,382,985
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,448	3,336	7,425
Dog and cat food manufacturing	<1	61,303	228,261	892,487
Other animal food manufacturing	4	269,640	519,046	3,695,068
Flour milling	2	126,278	275,553	1,580,467
Rice milling	<1	31,689	56,345	311,176
Malt manufacturing	<1	11,339	24,664	119,155
Wet corn milling	<1	6,008	20,159	238,054
Soybean and other oilseed processing	<1	54,535	370,727	3,167,371
Fats and oils refining and blending	<1	46,199	107,620	827,418
Breakfast cereal manufacturing	<1	269	826	5,466
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	39,552	126,563	433,009
Nonchocolate confectionery manufacturing	1	62,173	105,600	455,774
Chocolate and confectionery manufacturing from cacao beans	<1	3,077	5,226	24,200
Confectionery manufacturing from purchased chocolate	3	158,435	242,677	944,746
Frozen fruits, juices and vegetables manufacturing	<1	22,629	54,881	246,425
Frozen specialties manufacturing	6	310,147	475,814	1,978,630
Canned fruits and vegetables manufacturing	2	106,449	252,942	935,702

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Canned specialties	2	124,843	362,519	1,340,859
Dehydrated food products manufacturing	<1	11,261	23,301	87,668
Cheese manufacturing	2	89,384	141,186	1,336,339
Dry, condensed, and evaporated dairy product manufacturing	2	192,131	564,041	2,929,646
Fluid milk manufacturing	2	140,525	257,837	1,438,238
Creamery butter manufacturing	<1	21,062	114,951	573,740
Ice cream and frozen dessert manufacturing	<1	41,942	65,292	287,032
Frozen cakes and other pastries manufacturing	11	383,638	534,451	971,130
Poultry processing	16	770,131	1,055,409	4,673,520
Animal, except poultry, slaughtering	12	686,676	918,277	7,077,014
Meat processed from carcasses	10	614,970	614,723	4,830,402
Rendering and meat byproduct processing	<1	57,686	61,353	307,162
Seafood product preparation and packaging	2	86,618	123,193	703,679
Bread and bakery product, except frozen, manufacturing	22	969,835	1,446,666	3,338,330
Cookie and cracker manufacturing	2	73,522	126,143	588,399
Dry pasta, mixes, and dough manufacturing	<1	62,282	163,525	536,951
Tortilla manufacturing	2	82,341	107,955	413,240
Roasted nuts and peanut butter manufacturing	1	92,536	231,838	710,834
Other snack food manufacturing	4	319,420	859,851	2,449,605
Coffee and tea manufacturing	<1	48,292	106,681	493,299
Flavoring syrup and concentrate manufacturing	<1	104,321	989,345	1,908,318
Mayonnaise, dressing, and sauce manufacturing	1	83,129	182,501	717,059
Spice and extract manufacturing	1	136,839	265,102	959,111
All other food manufacturing	4	179,942	293,854	1,390,139
Bottled and canned soft drinks & water	6	518,634	973,972	3,675,055
Manufactured ice	<1	23,683	18,607	63,803
Breweries	4	336,602	838,269	1,897,690
Wineries	4	176,111	317,803	1,134,753
Distilleries	2	207,708	1,037,675	2,092,777
Tobacco product manufacturing	<1	11,280	364,750	534,756
Fiber, yarn, and thread mills	<1	5,742	9,997	51,009
Broadwoven fabric mills	<1	30,110	56,296	186,723
Narrow fabric mills and schiffli machine embroidery	<1	7,265	8,146	21,308

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Nonwoven fabric mills	<1	58,104	114,600	430,328
Knit fabric mills	<1	1,369	1,809	5,350
Textile and fabric finishing mills	<1	14,444	19,155	83,812
Fabric coating mills	<1	36,085	47,916	213,190
Carpet and rug mills	<1	18,576	37,598	116,882
Curtain and linen mills	1	45,570	61,713	222,204
Textile bag and canvas mills	1	51,335	63,278	185,333
Rope, cordage, twine, tire cord and tire fabric mills	<1	31,477	51,392	143,146
Other textile product mills	2	73,491	91,390	284,255
Hosiery and sock mills	<1	7,830	12,832	27,841
Other apparel knitting mills	<1	9,042	13,869	34,117
Cut and sew apparel contractors	3	81,835	87,450	202,287
Mens and boys cut and sew apparel manufacturing	2	64,464	72,710	208,020
Womens and girls cut and sew apparel manufacturing	<1	15,813	22,319	109,581
Other cut and sew apparel manufacturing	1	25,690	32,687	117,854
Apparel accessories and other apparel manufacturing	2	48,637	57,460	194,930
Leather and hide tanning and finishing	<1	12,662	15,542	71,260
Footwear manufacturing	3	143,991	154,853	445,450
Other leather and allied product manufacturing	<1	25,789	26,717	74,131
Sawmills	2	115,765	185,171	638,605
Wood preservation	<1	15,694	44,143	145,882
Veneer and plywood manufacturing	<1	51,263	82,315	246,928
Engineered wood member and truss manufacturing	<1	63,074	95,133	261,000
Reconstituted wood product manufacturing	<1	40,613	97,667	313,533
Wood windows and door manufacturing	3	191,426	269,507	743,920
Cut stock, resawing lumber, and planing	<1	12,342	22,484	67,496
Other millwork, including flooring	1	78,760	127,906	345,791
Wood container and pallet manufacturing	2	119,434	166,341	442,260
Manufactured home (mobile home) manufacturing	<1	346	448	1,271
Prefabricated wood building manufacturing	<1	5,162	7,136	19,434
All other miscellaneous wood product manufacturing	<1	29,263	45,335	127,901
Pulp mills	<1	6,091	7,839	45,975

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Paper mills	<1	34,316	54,009	291,111
Paperboard mills	3	324,369	581,501	2,499,685
Paperboard container manufacturing	8	621,824	834,989	3,877,130
Paper bag and coated and treated paper manufacturing	5	407,348	590,162	2,543,725
Stationery product manufacturing	<1	48,121	63,357	288,628
Sanitary paper product manufacturing	2	245,140	490,573	1,611,043
All other converted paper product manufacturing	<1	62,929	81,365	267,363
Printing	35	1,978,195	2,598,896	5,839,052
Support activities for printing	2	125,191	154,980	258,748
Petroleum refineries	4	1,774,512	6,624,911	27,310,228
Asphalt paving mixture and block manufacturing	<1	53,499	69,607	244,266
Asphalt shingle and coating materials manufacturing	<1	54,819	120,363	243,576
Petroleum lubricating oil and grease manufacturing	<1	329,340	656,890	1,332,154
All other petroleum and coal products manufacturing	<1	57,095	133,675	287,261
Petrochemical manufacturing	5	951,022	7,664,675	30,046,164
Industrial gas manufacturing	2	501,518	1,047,705	2,478,626
Synthetic dye and pigment manufacturing	1	179,075	367,107	945,585
Other basic inorganic chemical manufacturing	2	344,807	807,734	2,041,566
Other basic organic chemical manufacturing	7	1,091,574	2,174,397	11,559,924
Plastics material and resin manufacturing	6	1,023,420	1,683,120	8,397,387
Synthetic rubber manufacturing	<1	82,279	124,590	552,408
Artificial and synthetic fibers and filaments manufacturing	<1	20,590	28,394	92,113
Nitrogenous fertilizer manufacturing	<1	52,948	132,866	359,774
Phosphatic fertilizer manufacturing	<1	11,245	24,057	75,418
Fertilizer mixing	<1	29,559	61,625	200,855
Pesticide and other agricultural chemical manufacturing	<1	115,212	340,224	1,251,762
Medicinal and botanical manufacturing	<1	39,398	67,983	190,101
Pharmaceutical preparation manufacturing	11	1,715,966	6,042,637	15,488,048
In-vitro diagnostic substance manufacturing	<1	20,797	30,742	80,428

Appendix

Biological product (except diagnostic) manufacturing	<1	100,551	222,947	518,857
Paint and coating manufacturing	3	384,190	770,539	2,532,039
Adhesive manufacturing	1	157,601	269,623	981,154
Soap and other detergent manufacturing	2	175,303	612,728	2,082,926
Polish and other sanitation good manufacturing	2	161,272	259,903	745,262
Surface active agent manufacturing	<1	13,346	49,400	136,981
Toilet preparation manufacturing	3	304,381	1,043,258	2,595,541
Printing ink manufacturing	<1	74,338	80,499	325,654
Explosives manufacturing	<1	20,959	23,630	64,360
Custom compounding of purchased resins	1	133,120	249,977	864,340
Photographic film and chemical manufacturing	1	133,119	313,593	994,135
Other miscellaneous chemical product manufacturing	3	359,915	624,263	2,023,895
Plastics packaging materials and unlaminated film and sheet manufacturing	7	516,483	899,282	3,368,276
Unlaminated plastics profile shape manufacturing	1	91,819	217,270	672,441
Plastics pipe and pipe fitting manufacturing	2	159,386	466,770	1,178,488
Laminated plastics plate, sheet (except packaging), and shape manufacturing	1	106,489	210,224	543,764
Polystyrene foam product manufacturing	3	188,336	335,955	1,167,574
Urethane and other foam product (except polystyrene) manufacturing	4	214,576	365,864	1,390,909
Plastics bottle manufacturing	2	138,653	233,672	1,005,501
Other plastics product manufacturing	14	882,398	1,348,570	3,992,189
Tire manufacturing	<1	43,302	69,479	320,782
Rubber and plastics hoses and belting manufacturing	<1	45,841	70,764	198,651
Other rubber product manufacturing	6	471,887	687,043	2,069,689
Pottery, ceramics, and plumbing fixture manufacturing	<1	50,079	71,529	157,723
Brick, tile, and other structural clay product manufacturing	<1	61,357	106,281	219,727
Flat glass manufacturing	<1	44,427	93,964	208,047
Other pressed and blown glass and glassware manufacturing	3	241,352	425,186	902,221
Glass container manufacturing	<1	86,099	138,136	304,145

Appendix

Glass product manufacturing made of purchased glass	2	140,064	238,507	509,048
Cement manufacturing	<1	51,398	126,545	281,201
Ready-mix concrete manufacturing	3	255,809	440,733	1,221,308
Concrete block and brick manufacturing	<1	53,223	94,773	215,970
Concrete pipe manufacturing	<1	14,826	25,790	57,845
Other concrete product manufacturing	1	104,348	147,343	331,289
Lime manufacturing	<1	23,112	58,395	142,598
Gypsum product manufacturing	<1	57,522	150,824	363,462
Abrasive product manufacturing	<1	39,683	111,741	183,019
Cut stone and stone product manufacturing	<1	59,307	70,932	143,147
Ground or treated mineral and earth manufacturing	<1	5,130	13,847	30,817
Mineral wool manufacturing	<1	51,008	119,829	238,120
Miscellaneous nonmetallic mineral products manufacturing	<1	18,632	51,391	107,323
Iron and steel mills and ferroalloy manufacturing	3	295,627	527,313	3,642,723
Iron, steel pipe and tube manufacturing from purchased steel	1	114,155	187,021	823,612
Rolled steel shape manufacturing	<1	65,451	133,335	601,540
Steel wire drawing	<1	46,527	67,771	298,616
Alumina refining and primary aluminum production	<1	23,300	34,040	167,102
Secondary smelting and alloying of aluminum	<1	10,151	17,322	153,795
Aluminum sheet, plate, and foil manufacturing	<1	31,525	61,047	375,292
Other aluminum rolling, drawing and extruding	2	110,636	152,630	800,406
Nonferrous metal (exc aluminum) smelting and refining	<1	22,973	93,552	346,794
Copper rolling, drawing, extruding and alloying	2	186,030	277,239	2,191,481
Nonferrous metal, except copper and aluminum, shaping	<1	16,395	19,403	74,774
Secondary processing of other nonferrous metals	<1	3,491	5,370	38,837
Ferrous metal foundries	2	110,288	161,008	457,312
Nonferrous metal foundries	1	86,454	120,627	361,819
Custom roll forming	<1	8,365	13,748	61,410
Crown and closure manufacturing and metal stamping	2	144,046	182,285	520,823
Iron and steel forging	2	173,797	279,170	847,389

Appendix

Nonferrous forging	<1	13,451	19,443	73,422
Cutlery, utensil, pot, and pan manufacturing	<1	34,369	91,702	229,660
Handtool manufacturing	2	112,762	184,337	408,080
Prefabricated metal buildings and components manufacturing	<1	61,323	81,029	265,352
Fabricated structural metal manufacturing	5	360,013	520,410	1,636,468
Plate work manufacturing	3	232,258	255,975	730,575
Metal window and door manufacturing	3	201,953	271,488	727,056
Sheet metal work manufacturing	4	244,940	323,042	879,826
Ornamental and architectural metal work manufacturing	2	149,981	192,308	532,145
Power boiler and heat exchanger manufacturing	<1	58,357	82,025	204,485
Metal tank (heavy gauge) manufacturing	<1	79,923	100,608	284,626
Metal cans manufacturing	<1	58,241	130,256	558,496
Metal barrels, drums and pails manufacturing	<1	36,633	45,464	162,906
Hardware manufacturing	<1	59,586	92,249	286,457
Spring and wire product manufacturing	2	152,647	201,702	611,892
Machine shops	28	1,970,835	2,411,826	4,842,660
Turned product and screw, nut, and bolt manufacturing	2	165,855	241,289	661,111
Metal heat treating	2	141,821	204,510	495,867
Metal coating and nonprecious engraving	3	215,810	375,781	899,953
Electroplating, anodizing, and coloring metal	3	164,609	187,722	422,866
Valve and fittings, other than plumbing, manufacturing	2	204,469	326,279	812,221
Plumbing fixture fitting and trim manufacturing	<1	32,026	88,592	312,211
Ball and roller bearing manufacturing	<1	18,604	33,104	75,177
Small arms ammunition manufacturing	<1	13,498	27,964	53,244
Ammunition, except for small arms, manufacturing	<1	34,457	41,944	82,718
Small arms, ordnance, and accessories manufacturing	<1	34,950	66,145	174,609
Fabricated pipe and pipe fitting manufacturing	1	87,762	107,802	286,277
Other fabricated metal manufacturing	3	201,541	265,501	670,036
Farm machinery and equipment manufacturing	<1	14,518	24,258	101,890

Appendix

Lawn and garden equipment manufacturing	<1	5,797	10,207	48,631
Construction machinery manufacturing	<1	5,245	11,797	36,646
Mining machinery and equipment manufacturing	<1	3,992	5,964	15,957
Oil and gas field machinery and equipment manufacturing	<1	40,574	63,385	176,925
Semiconductor machinery manufacturing	<1	12,022	13,851	44,114
Food product machinery manufacturing	<1	1,776	2,066	7,157
Sawmill, woodworking, and paper machinery	<1	2,159	2,433	6,579
Printing machinery and equipment manufacturing	<1	2,424	2,689	8,318
All other industrial machinery manufacturing	<1	19,380	24,422	60,483
Optical instrument and lens manufacturing	<1	2,124	2,891	8,559
Photographic and photocopying equipment manufacturing	<1	707	924	3,431
Other commercial service industry machinery manufacturing	<1	22,021	35,061	104,360
Air purification and ventilation equipment manufacturing	<1	26,432	36,074	108,510
Heating equipment (except warm air furnaces) manufacturing	<1	23,950	36,288	98,524
Air conditioning, refrigeration, and warm air heating equipment manufacturing	3	247,716	435,206	1,377,307
Industrial mold manufacturing	<1	11,177	13,009	30,882
Special tool, die, jig, and fixture manufacturing	<1	7,646	9,936	20,590
Cutting tool and machine tool accessory manufacturing	<1	11,917	13,405	32,839
Machine tool manufacturing	<1	4,306	5,443	19,076
Rolling mill and other metalworking machinery manufacturing	<1	3,494	4,158	10,267
Turbine and turbine generator set units manufacturing	<1	3,610	4,661	15,106
Speed changer, industrial high-speed drive, and gear manufacturing	<1	40,919	60,292	167,158
Mechanical power transmission equipment manufacturing	1	96,316	148,367	373,244
Other engine equipment manufacturing	1	145,213	301,004	1,269,754

Appendix

Pump and pumping equipment manufacturing	<1	13,294	22,346	67,006
Air and gas compressor manufacturing	<1	15,240	30,152	97,405
Elevator and moving stairway manufacturing	<1	3,162	4,443	13,116
Conveyor and conveying equipment manufacturing	<1	5,828	6,566	20,758
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,498	2,761	8,629
Industrial truck, trailer, and stacker manufacturing	<1	15,745	24,552	81,243
Power-driven handtool manufacturing	<1	2,456	5,848	17,237
Welding and soldering equipment manufacturing	<1	10,299	14,474	40,408
Packaging machinery manufacturing	<1	4,243	5,847	18,494
Industrial process furnace and oven manufacturing	<1	2,919	3,393	8,964
Fluid power cylinder and actuator manufacturing	<1	40,964	55,951	139,090
Fluid power pump and motor manufacturing	<1	17,591	26,926	93,650
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	15,141	18,425	54,638
Electronic computer manufacturing	<1	214,281	620,535	1,265,052
Computer storage device manufacturing	<1	6,350	21,604	40,377
Computer terminals and other computer peripheral equipment manufacturing	1	196,873	408,162	753,512
Telephone apparatus manufacturing	1	198,284	372,062	733,362
Broadcast and wireless communications equipment manufacturing	<1	17,878	33,696	72,290
Other communications equipment manufacturing	<1	110,841	227,137	485,871
Audio and video equipment manufacturing	<1	14,808	31,066	82,042
Printed circuit assembly (electronic assembly) manufacturing	3	180,697	424,525	1,269,831
Bare printed circuit board manufacturing	<1	82,462	124,180	251,741
Semiconductor and related device manufacturing	13	2,319,184	4,886,353	9,890,391

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	24,122	40,272	102,869
Electronic connector manufacturing	3	218,654	406,243	1,084,770
Other electronic component manufacturing	2	192,439	298,639	597,228
Electromedical and electrotherapeutic apparatus manufacturing	<1	13,192	33,038	63,513
Search, detection, and navigation instruments manufacturing	<1	47,635	106,699	166,022
Automatic environmental control manufacturing	1	71,361	109,294	259,410
Industrial process variable instruments manufacturing	<1	43,181	83,201	168,067
Totalizing fluid meter and counting device manufacturing	<1	37,791	109,019	210,122
Electricity and signal testing instruments manufacturing	<1	7,609	14,983	43,172
Analytical laboratory instrument manufacturing	<1	99,079	216,190	397,795
Irradiation apparatus manufacturing	<1	420	1,119	2,488
Watch, clock, and other measuring and controlling device manufacturing	<1	15,432	37,378	88,743
Blank magnetic and optical recording media manufacturing	<1	8,101	35,151	53,954
Software and other prerecorded and record reproducing	<1	82,145	140,232	191,710
Electric lamp bulb and part manufacturing	<1	82,550	139,810	379,553
Lighting fixture manufacturing	2	162,371	206,016	557,700
Small electrical appliance manufacturing	<1	28,811	53,042	243,695
Household cooking appliance manufacturing	<1	9,853	17,954	48,246
Household refrigerator and home freezer manufacturing	<1	10,640	19,999	52,048
Household laundry equipment manufacturing	<1	25,130	38,297	124,199
Other major household appliance manufacturing	<1	4,206	8,368	20,503
Power, distribution, and specialty transformer manufacturing	<1	5,066	6,796	20,240
Motor and generator manufacturing	1	102,210	145,474	444,291
Switchgear and switchboard apparatus manufacturing	1	143,850	210,977	579,677

Appendix

Relay and industrial control manufacturing	<1	85,287	107,737	273,093
Storage battery manufacturing	<1	40,798	50,056	143,027
Primary battery manufacturing	<1	82,345	40,239	252,982
Fiber optic cable manufacturing	2	216,280	255,351	1,006,755
Other communication and energy wire manufacturing	<1	49,748	66,130	232,900
Wiring device manufacturing	2	201,685	313,185	794,110
Carbon and graphite product manufacturing	1	127,507	186,977	570,693
All other miscellaneous electrical equipment and component manufacturing	<1	42,252	46,695	127,879
Automobile manufacturing	<1	24,696	214,266	347,249
Light truck and utility vehicle manufacturing	1	173,835	841,983	3,522,913
Heavy duty truck manufacturing	<1	2,224	12,256	29,800
Motor vehicle body manufacturing	<1	4,511	9,283	27,354
Truck trailer manufacturing	<1	1,085	1,980	6,285
Motor home manufacturing	<1	77,240	197,020	508,945
Travel trailer and camper manufacturing	2	163,437	208,688	789,866
Motor vehicle gasoline engine and engine parts manufacturing	2	126,244	306,841	1,085,376
Motor vehicle electrical and electronic equipment manufacturing	5	353,868	652,459	2,362,440
Motor vehicle transmission and power train parts manufacturing	2	160,232	399,317	1,292,198
Motor vehicle seating and interior trim manufacturing	<1	74,480	118,599	458,093
Motor vehicle metal stamping	2	160,817	279,102	883,866
Other motor vehicle parts manufacturing	5	410,165	803,295	2,821,377
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	57,058	161,078	439,245
Aircraft manufacturing	<1	12,617	26,317	83,843
Aircraft engine and engine parts manufacturing	3	374,769	649,797	2,076,476
Other aircraft parts and auxiliary equipment manufacturing	<1	136,520	180,830	362,061
Guided missile and space vehicle manufacturing	<1	19,468	28,169	66,006
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,747	2,363	5,492

Appendix

Railroad rolling stock manufacturing	<1	8,298	9,809	38,725
Ship building and repairing	<1	19,438	23,823	57,240
Boat building	1	59,095	78,296	312,307
Motorcycle, bicycle, and parts manufacturing	<1	4,271	13,083	43,770
Military armored vehicle, tank, and tank component manufacturing	<1	8,103	15,964	47,152
All other transportation equipment manufacturing	<1	39,534	73,785	368,231
Wood kitchen cabinet and countertop manufacturing	6	282,756	299,949	805,944
Upholstered household furniture manufacturing	3	149,220	160,101	533,529
Nonupholstered wood household furniture manufacturing	1	55,638	57,568	170,118
Other household nonupholstered furniture manufacturing	<1	19,791	24,463	109,800
Institutional furniture manufacturing	<1	13,726	14,255	47,235
Wood office furniture manufacturing	<1	1,214	1,349	4,589
Custom architectural woodwork and millwork	<1	4,712	4,247	13,444
Office furniture, except wood, manufacturing	<1	22,986	27,139	105,694
Showcase, partition, shelving, and locker manufacturing	<1	28,443	30,925	103,371
Mattress manufacturing	2	92,983	114,285	538,790
Blind and shade manufacturing	<1	17,291	17,585	75,978
Surgical and medical instrument manufacturing	<1	46,707	66,940	176,009
Surgical appliance and supplies manufacturing	2	228,906	351,168	827,460
Dental equipment and supplies manufacturing	<1	11,554	15,229	37,590
Ophthalmic goods manufacturing	2	107,632	164,689	398,834
Dental laboratories	2	96,793	99,057	175,855
Jewelry and silverware manufacturing	2	138,537	194,225	483,800
Sporting and athletic goods manufacturing	1	86,116	105,017	328,251
Doll, toy, and game manufacturing	<1	26,344	35,395	118,342
Office supplies (except paper) manufacturing	<1	50,712	63,795	227,835
Sign manufacturing	1	85,930	75,647	183,938
Gasket, packing, and sealing device manufacturing	2	129,758	145,462	345,012

Appendix

Musical instrument manufacturing	<1	8,688	9,297	22,750
Fasteners, buttons, needles, and pins manufacturing	<1	4,935	5,909	14,947
Broom, brush, and mop manufacturing	<1	15,555	22,694	65,810
Burial casket manufacturing	<1	4,247	4,924	10,335
All other miscellaneous manufacturing	2	177,245	217,360	564,287
Wholesale - Motor vehicle and motor vehicle parts and supplies	11	835,573	2,028,170	4,158,065
Wholesale - Professional and commercial equipment and supplies	32	4,329,799	7,009,304	11,038,466
Wholesale - Household appliances and electrical and electronic goods	13	1,469,152	3,661,527	6,877,581
Wholesale - Machinery, equipment, and supplies	19	1,847,262	3,627,208	5,824,443
Wholesale - Other durable goods merchant wholesalers	38	3,208,572	5,622,782	10,228,565
Wholesale - Drugs and druggists' sundries	14	2,151,202	6,903,610	11,700,789
Wholesale - Grocery and related product wholesalers	39	2,795,421	3,916,573	7,560,124
Wholesale - Petroleum and petroleum products	8	1,267,486	6,594,219	8,175,760
Wholesale - Other nondurable goods merchant wholesalers	51	4,560,892	9,099,422	16,048,129
Wholesale - Wholesale electronic markets and agents and brokers	22	2,565,086	2,664,332	3,077,266
Retail - Motor vehicle and parts dealers	46	3,213,709	4,701,814	6,682,713
Retail - Furniture and home furnishings stores	35	1,592,925	2,057,521	3,296,235
Retail - Electronics and appliance stores	34	2,025,782	1,844,141	3,084,089
Retail - Building material and garden equipment and supplies stores	34	1,529,073	2,659,691	3,927,841
Retail - Food and beverage stores	142	5,201,042	6,758,901	10,831,963
Retail - Health and personal care stores	64	2,913,181	3,578,258	5,524,217
Retail - Gasoline stores	41	1,718,658	2,617,371	4,605,708
Retail - Clothing and clothing accessories stores	83	2,416,217	3,698,297	7,560,124
Retail - Sporting goods, hobby, musical instrument and book stores	41	1,224,933	1,584,021	2,539,619
Retail - General merchandise stores	145	4,628,545	6,646,116	10,898,480

Appendix

Retail - Miscellaneous store retailers	83	2,194,862	2,616,482	4,289,129
Retail - Nonstore retailers	98	2,667,278	8,537,301	16,631,300
Air transportation	34	4,125,756	7,816,743	13,761,368
Rail transportation	7	984,658	1,902,547	3,487,419
Water transportation	6	663,676	1,047,423	3,920,491
Truck transportation	96	6,121,291	7,157,784	14,561,840
Transit and ground passenger transportation	122	1,435,485	1,463,277	2,864,121
Pipeline transportation	5	5,243,148	2,866,519	3,298,352
Scenic and sightseeing transportation and support activities for transportation	92	6,064,352	6,665,113	13,577,678
Couriers and messengers	65	1,882,590	2,760,299	5,117,291
Warehousing and storage	90	3,536,605	4,103,676	8,074,004
Newspaper publishers	6	425,790	718,961	873,656
Periodical publishers	5	487,902	770,632	1,123,979
Book publishers	3	295,135	880,613	1,377,229
Directory, mailing list, and other publishers	2	243,457	679,150	885,733
Greeting card publishing	<1	492	1,395	1,583
Software publishers	27	4,173,563	9,207,181	10,108,694
Motion picture and video industries	21	1,085,690	1,762,562	4,907,647
Sound recording industries	1	100,928	509,850	951,308
Radio and television broadcasting	14	2,044,699	2,702,933	6,481,141
Cable and other subscription programming	2	348,887	1,795,602	3,890,487
Wired telecommunications carriers	25	3,559,895	8,541,562	13,843,712
Wireless telecommunications carriers (except satellite)	7	969,212	7,016,222	15,265,633
Satellite, telecommunications resellers, and all other telecommunications	6	725,261	1,244,232	2,698,445
Data processing, hosting, and related services	42	5,783,253	9,189,497	22,070,760
News syndicates, libraries, archives and all other information services	4	277,573	394,176	844,613
Internet publishing and broadcasting and web search portals	14	2,543,115	4,494,434	15,155,284
Nondepository credit intermediation and related activities	62	7,244,526	8,636,058	13,882,011
Securities and commodity contracts intermediation and brokerage	109	8,647,545	7,357,242	14,585,099

Appendix

Monetary authorities and depository credit intermediation	132	14,256,421	30,302,001	52,817,570
Other financial investment activities	124	8,789,059	10,493,293	26,903,898
Direct life insurance carriers	26	2,475,471	4,937,706	7,206,450
Insurance carriers, except direct life	70	6,712,970	22,003,899	43,510,015
Insurance agencies, brokerages, and related activities	94	7,589,955	12,212,783	27,880,106
Funds, trusts, and other financial vehicles	30	3,616,504	5,584,276	12,375,390
Other real estate	649	21,436,968	52,042,221	128,498,552
Tenant-occupied housing	73	2,281,163	18,075,243	21,473,292
Owner-occupied dwellings	0	0	61,781,340	78,428,698
Automotive equipment rental and leasing	17	1,450,450	3,460,869	4,758,672
General and consumer goods rental except video tapes and discs	15	1,243,924	1,577,373	2,420,348
Video tape and disc rental	5	268,610	459,720	686,033
Commercial and industrial machinery and equipment rental and leasing	16	1,856,545	4,356,812	5,900,442
Lessors of nonfinancial intangible assets	3	364,516	6,588,625	7,204,137
Legal services	205	22,032,704	34,746,559	46,120,188
Accounting, tax preparation, bookkeeping, and payroll services	95	8,362,156	11,053,788	15,283,627
Architectural, engineering, and related services	282	28,170,547	31,109,521	50,188,075
Specialized design services	9	715,108	1,134,224	1,651,060
Custom computer programming services	33	3,773,159	3,879,851	5,189,778
Computer systems design services	48	5,225,891	4,947,490	6,188,592
Other computer related services, including facilities management	16	1,881,965	2,769,894	4,523,316
Management consulting services	296	32,265,871	33,536,168	49,310,806
Environmental and other technical consulting services	45	4,695,484	4,942,123	6,858,012
Scientific research and development services	3,424	356,721,579	528,686,963	897,017,082
Advertising, public relations, and related services	58	4,987,010	6,635,741	10,983,138
Photographic services	4	166,717	411,654	775,766
Veterinary services	18	946,848	1,178,183	1,772,451
Marketing research and all other miscellaneous professional, scientific, and technical services	72	6,689,802	12,053,336	20,088,275

Appendix

Management of companies and enterprises	232	27,900,768	33,131,111	54,396,509
Office administrative services	115	8,766,834	4,627,645	9,103,667
Facilities support services	12	709,956	1,093,704	2,112,026
Employment services	493	23,842,328	36,611,152	50,612,118
Business support services	92	4,570,815	4,011,080	6,746,048
Travel arrangement and reservation services	26	1,452,247	1,942,956	4,288,540
Investigation and security services	77	3,168,186	3,147,384	4,500,922
Services to buildings	112	3,607,564	5,172,885	9,268,045
Landscape and horticultural services	58	2,411,134	3,020,853	5,157,119
Other support services	21	1,094,154	1,436,943	2,621,813
Waste management and remediation services	24	2,004,278	3,473,282	5,942,098
Elementary and secondary schools	66	3,201,814	2,909,641	3,363,491
Junior colleges, colleges, universities, and professional schools	57	3,102,719	4,508,958	5,659,074
Other educational services	52	2,113,730	2,425,764	4,543,006
Offices of physicians	173	19,387,007	20,167,544	28,034,519
Offices of dentists	55	3,854,687	4,720,230	6,642,625
Offices of other health practitioners	50	2,956,429	4,135,174	5,486,906
Outpatient care centers	50	3,778,245	3,431,182	5,795,223
Medical and diagnostic laboratories	18	1,543,155	2,143,058	3,055,115
Home health care services	161	4,647,808	4,437,415	6,468,681
Other ambulatory health care services	18	1,169,128	1,287,483	2,058,979
Hospitals	284	26,100,041	29,082,034	54,358,554
Nursing and community care facilities	88	3,565,900	3,912,265	6,947,445
Residential mental retardation, mental health, substance abuse and other facilities	31	1,383,889	1,472,072	2,261,629
Individual and family services	138	3,522,110	2,861,126	4,628,048
Child day care services	73	1,946,620	2,497,207	3,571,348
Community food, housing, and other relief services, including rehabilitation services	38	1,311,073	1,278,674	2,836,286
Performing arts companies	16	643,017	926,011	1,374,696
Commercial Sports Except Racing	52	2,589,779	2,300,255	3,191,016
Racing and Track Operation	2	113,526	227,506	309,255
Independent artists, writers, and performers	20	834,812	2,647,499	3,422,957

Appendix

Promoters of performing arts and sports and agents for public figures	19	661,989	1,230,724	2,075,081
Museums, historical sites, zoos, and parks	8	331,714	440,641	744,435
Amusement parks and arcades	10	206,417	515,790	749,472
Gambling industries (except casino hotels)	24	878,144	1,776,932	3,007,870
Other amusement and recreation industries	30	789,392	910,503	1,696,150
Fitness and recreational sports centers	30	637,279	855,930	1,539,304
Bowling centers	5	108,568	166,294	299,887
Hotels and motels, including casino hotels	149	5,594,567	9,813,476	15,721,520
Other accommodations	35	1,615,661	2,223,824	2,920,863
Full-service restaurants	356	9,809,978	13,611,208	23,333,213
Limited-service restaurants	296	6,928,481	10,399,213	22,511,108
All other food and drinking places	194	6,537,310	8,692,690	12,979,188
Automotive repair and maintenance, except car washes	104	6,008,136	6,798,037	9,972,007
Car washes	53	3,056,293	4,427,362	6,633,723
Electronic and precision equipment repair and maintenance	51	3,895,796	5,111,887	7,722,681
Commercial and industrial machinery and equipment repair and maintenance	30	2,424,973	2,521,781	3,643,978
Personal and household goods repair and maintenance	15	741,848	1,390,648	1,955,342
Personal care services	92	2,704,810	2,370,932	3,205,636
Death care services	21	711,124	441,070	656,671
Dry-cleaning and laundry services	47	1,454,785	859,709	1,226,769
Other personal services	62	1,973,363	2,385,455	3,495,986
Religious organizations	120	5,707,091	3,046,064	10,336,071
Grantmaking, giving, and social advocacy organizations	16	1,013,258	3,338,098	4,884,713
Business and professional associations	14	1,197,314	2,086,198	3,423,844
Labor and civic organizations	34	1,021,219	2,976,409	5,120,474
Private households	74	1,284,622	1,284,622	1,284,622
Postal service	28	2,624,468	2,625,359	2,789,815
Federal electric utilities	0	0	0	0
Other federal government enterprises	13	770,754	284,436	2,376,033
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	175,698	220,132	305,125
Local government passenger transit	7	648,162	-218,569	517,924
Local government electric utilities	4	509,416	1,412,877	2,430,698
Other local government enterprises	38	3,422,877	7,496,638	13,738,400
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	706	135,788,693	150,374,822	344,016,716

Investments in Climate Change Research and Technology

Table 756: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Texas

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>757</i>	<i>50,218,604</i>	<i>78,978,440</i>	<i>153,507,482</i>
Oilseed farming	<1	61	3,029	4,342
Grain farming	1	12,504	13,340	193,512
Vegetable and melon farming	<1	2,593	7,135	13,022
Fruit farming	<1	1,488	4,627	6,087
Tree nut farming	<1	845	2,584	3,261
Greenhouse, nursery, and floriculture production	<1	8,314	14,677	27,421
Tobacco farming	0	0	0	0
Cotton farming	<1	9,094	14,913	27,254
Sugarcane and sugar beet farming	<1	711	1,189	2,500
All other crop farming	3	11,454	18,531	39,391
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	7	4,623	83,521	346,598

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Dairy cattle and milk production	<1	3,321	14,337	89,598
Poultry and egg production	<1	8,963	16,232	169,200
Animal production, except cattle and poultry and eggs	<1	7,304	50,170	67,880
Forestry, forest products, and timber tract production	<1	2,813	2,997	3,979
Commercial logging	<1	14,962	13,897	27,501
Commercial fishing	<1	921	13,766	15,634
Commercial hunting and trapping	<1	656	5,108	6,254
Support activities for agriculture and forestry	2	63,491	57,333	74,839
Oil and gas extraction	2	600,608	1,228,790	1,863,861
Coal mining	<1	40,228	151,356	287,496
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	83	242	1,822
Gold ore mining	<1	103	262	764
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	3,774	7,721	17,141
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	8,000	39,026	70,243
Sand and gravel mining	<1	16,356	41,403	75,988
Other clay, ceramic, refractory minerals mining	<1	1,859	4,556	8,375
Potash, soda, and borate mineral mining	<1	999	1,857	3,459
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	1,015	3,002	5,716
Other nonmetallic minerals	<1	472	1,128	2,330
Drilling oil and gas wells	<1	389	844	1,392
Support activities for oil and gas operations	<1	4,707	7,199	11,824
Metal mining services	<1	49,785	120,119	199,831
Other nonmetallic minerals services	<1	2,755	5,882	9,178
Electric power generation - Hydroelectric	<1	12,108	27,609	46,241
Electric power generation - Fossil fuel	<1	38,615	126,164	331,794
Electric power generation - Nuclear	<1	26,725	50,522	105,211
Electric power generation - Solar	<1	863	2,741	5,678
Electric power generation - Wind	<1	23,283	160,364	333,801
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	429	1,459	4,086
Electric power generation - All other	<1	783	553	1,923
Electric power transmission and distribution	<1	163,586	487,653	1,198,750
Natural gas distribution	<1	58,498	136,675	282,132
Water, sewage and other systems	<1	27,872	50,539	92,496
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	40	3,028,865	3,436,489	6,737,245
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	3	174,176	235,884	542,364
Maintenance and repair construction of residential structures	1	63,665	84,413	193,246
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	106	147	332
Dog and cat food manufacturing	<1	3,116	10,889	45,375
Other animal food manufacturing	<1	12,793	23,035	178,094
Flour milling	<1	8,181	18,118	103,103
Rice milling	<1	1,175	2,241	11,806
Malt manufacturing	<1	899	1,922	9,498
Wet corn milling	<1	300	936	11,549
Soybean and other oilseed processing	<1	2,268	15,625	137,304
Fats and oils refining and blending	<1	2,021	4,628	37,366
Breakfast cereal manufacturing	<1	13	38	271
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	1,433	4,542	16,311
Nonchocolate confectionery manufacturing	<1	2,194	3,766	17,550
Chocolate and confectionery manufacturing from cacao beans	<1	78	132	638
Confectionery manufacturing from purchased chocolate	<1	7,811	11,915	49,723
Frozen fruits, juices and vegetables manufacturing	<1	900	2,096	10,962
Frozen specialties manufacturing	<1	13,889	21,564	92,633
Canned fruits and vegetables manufacturing	<1	3,473	8,237	31,413
Canned specialties	<1	6,708	20,820	77,085
Dehydrated food products manufacturing	<1	356	747	2,865
Cheese manufacturing	<1	3,178	5,039	47,318
Dry, condensed, and evaporated dairy product manufacturing	<1	8,376	24,290	145,581
Fluid milk manufacturing	<1	6,765	12,163	70,946
Creamery butter manufacturing	<1	1,157	6,980	35,452
Ice cream and frozen dessert manufacturing	<1	2,276	3,436	16,981
Frozen cakes and other pastries manufacturing	<1	19,098	26,764	49,979
Poultry processing	1	55,578	72,097	336,380
Animal, except poultry, slaughtering	<1	48,268	63,678	501,573
Meat processed from carcasses	<1	25,723	25,286	205,522
Rendering and meat byproduct processing	<1	2,644	2,774	14,510
Seafood product preparation and packaging	<1	6,554	8,976	57,401
Bread and bakery product, except frozen, manufacturing	1	49,395	73,884	173,706
Cookie and cracker manufacturing	<1	2,733	4,408	23,730
Dry pasta, mixes, and dough manufacturing	<1	2,639	7,001	21,810
Tortilla manufacturing	<1	3,973	5,306	21,292
Roasted nuts and peanut butter manufacturing	<1	3,491	8,274	27,963
Other snack food manufacturing	<1	14,519	39,948	114,743
Coffee and tea manufacturing	<1	2,764	5,912	28,052
Flavoring syrup and concentrate manufacturing	<1	3,219	32,793	61,759
Mayonnaise, dressing, and sauce manufacturing	<1	3,765	8,602	35,317
Spice and extract manufacturing	<1	4,963	9,290	36,771
All other food manufacturing	<1	6,095	10,000	50,156

Appendix

Bottled and canned soft drinks & water	<1	25,088	45,960	180,783
Manufactured ice	<1	1,051	766	3,080
Breweries	<1	19,183	45,211	105,631
Wineries	<1	4,668	8,394	32,130
Distilleries	<1	10,002	45,382	99,193
Tobacco product manufacturing	<1	450	10,777	17,931
Fiber, yarn, and thread mills	<1	318	459	2,889
Broadwoven fabric mills	<1	2,021	3,178	11,969
Narrow fabric mills and schiffli machine embroidery	<1	225	246	682
Nonwoven fabric mills	<1	1,901	3,578	15,105
Knit fabric mills	<1	30	39	117
Textile and fabric finishing mills	<1	283	374	1,736
Fabric coating mills	<1	1,461	2,008	9,812
Carpet and rug mills	<1	1,137	1,884	7,495
Curtain and linen mills	<1	1,813	2,364	9,351
Textile bag and canvas mills	<1	2,163	2,592	8,118
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,654	3,977	12,157
Other textile product mills	<1	3,156	3,840	13,018
Hosiery and sock mills	<1	359	554	1,462
Other apparel knitting mills	<1	271	433	1,146
Cut and sew apparel contractors	<1	1,981	2,130	5,215
Mens and boys cut and sew apparel manufacturing	<1	1,873	2,084	6,832
Womens and girls cut and sew apparel manufacturing	<1	364	513	2,713
Other cut and sew apparel manufacturing	<1	993	1,272	5,020
Apparel accessories and other apparel manufacturing	<1	1,486	1,738	6,894
Leather and hide tanning and finishing	<1	697	767	3,866
Footwear manufacturing	<1	8,386	8,638	29,579
Other leather and allied product manufacturing	<1	831	855	2,550
Sawmills	<1	23,714	36,554	126,773
Wood preservation	<1	4,001	10,766	35,386
Veneer and plywood manufacturing	<1	14,507	22,178	66,447
Engineered wood member and truss manufacturing	<1	16,220	23,954	67,250
Reconstituted wood product manufacturing	<1	11,364	25,453	79,970
Wood windows and door manufacturing	<1	18,797	26,289	74,276

Appendix

Cut stock, resawing lumber, and planing	<1	1,702	3,071	9,364
Other millwork, including flooring	<1	8,169	13,187	37,733
Wood container and pallet manufacturing	<1	7,323	10,099	27,783
Manufactured home (mobile home) manufacturing	<1	208	260	704
Prefabricated wood building manufacturing	<1	2,972	4,090	10,596
All other miscellaneous wood product manufacturing	<1	1,499	2,240	7,122
Pulp mills	<1	953	1,313	7,371
Paper mills	<1	2,482	4,686	22,074
Paperboard mills	<1	35,502	66,731	268,825
Paperboard container manufacturing	<1	31,655	42,978	202,527
Paper bag and coated and treated paper manufacturing	<1	19,749	30,781	135,718
Stationery product manufacturing	<1	2,287	3,142	15,091
Sanitary paper product manufacturing	<1	14,731	31,913	96,495
All other converted paper product manufacturing	<1	3,283	4,336	13,418
Printing	2	78,274	97,823	243,997
Support activities for printing	<1	3,420	4,189	7,256
Petroleum refineries	<1	143,281	511,423	2,125,925
Asphalt paving mixture and block manufacturing	<1	9,491	12,298	45,302
Asphalt shingle and coating materials manufacturing	<1	9,528	20,402	41,796
Petroleum lubricating oil and grease manufacturing	<1	68,206	151,249	367,139
All other petroleum and coal products manufacturing	<1	5,846	15,712	34,130
Petrochemical manufacturing	1	253,788	2,116,911	8,941,033
Industrial gas manufacturing	<1	12,734	26,471	61,950
Synthetic dye and pigment manufacturing	<1	10,988	21,283	49,867
Other basic inorganic chemical manufacturing	<1	24,799	51,231	134,731
Other basic organic chemical manufacturing	<1	97,353	189,911	896,074
Plastics material and resin manufacturing	<1	120,720	189,343	847,427
Synthetic rubber manufacturing	<1	6,045	8,912	36,289
Artificial and synthetic fibers and filaments manufacturing	<1	485	698	2,224

Appendix

Nitrogenous fertilizer manufacturing	<1	3,964	9,508	28,594
Phosphatic fertilizer manufacturing	<1	1,300	2,630	8,427
Fertilizer mixing	<1	2,977	5,778	19,565
Pesticide and other agricultural chemical manufacturing	<1	9,625	27,719	97,816
Medicinal and botanical manufacturing	<1	1,005	1,640	5,138
Pharmaceutical preparation manufacturing	<1	47,470	155,556	435,860
In-vitro diagnostic substance manufacturing	<1	357	518	1,366
Biological product (except diagnostic) manufacturing	<1	1,756	3,619	9,249
Paint and coating manufacturing	<1	26,933	50,645	167,523
Adhesive manufacturing	<1	8,259	13,189	53,395
Soap and other detergent manufacturing	<1	5,895	18,230	80,959
Polish and other sanitation good manufacturing	<1	4,964	7,535	24,243
Surface active agent manufacturing	<1	600	1,929	6,084
Toilet preparation manufacturing	<1	9,536	30,105	79,559
Printing ink manufacturing	<1	2,250	2,411	9,776
Explosives manufacturing	<1	2,803	3,119	8,542
Custom compounding of purchased resins	<1	10,997	19,163	73,455
Photographic film and chemical manufacturing	<1	5,121	11,535	38,331
Other miscellaneous chemical product manufacturing	<1	19,792	32,139	100,918
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	32,700	57,723	222,948
Unlaminated plastics profile shape manufacturing	<1	7,281	17,510	56,612
Plastics pipe and pipe fitting manufacturing	<1	21,805	64,562	158,185
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,277	10,694	26,988
Polystyrene foam product manufacturing	<1	13,026	23,583	81,829
Urethane and other foam product (except polystyrene) manufacturing	<1	12,994	22,392	86,867
Plastics bottle manufacturing	<1	5,159	8,772	40,308
Other plastics product manufacturing	<1	49,116	74,720	235,026

Appendix

Tire manufacturing	<1	2,889	4,605	21,176
Rubber and plastics hoses and belting manufacturing	<1	2,435	3,829	10,700
Other rubber product manufacturing	<1	13,887	20,449	58,721
Pottery, ceramics, and plumbing fixture manufacturing	<1	7,825	11,805	24,157
Brick, tile, and other structural clay product manufacturing	<1	13,331	24,191	46,879
Flat glass manufacturing	<1	6,810	15,547	33,281
Other pressed and blown glass and glassware manufacturing	<1	8,796	16,430	34,188
Glass container manufacturing	<1	4,169	6,956	14,651
Glass product manufacturing made of purchased glass	<1	6,433	11,434	23,657
Cement manufacturing	<1	11,631	30,696	65,859
Ready-mix concrete manufacturing	<1	52,694	94,148	255,029
Concrete block and brick manufacturing	<1	11,510	22,184	47,790
Concrete pipe manufacturing	<1	16,533	30,196	61,381
Other concrete product manufacturing	<1	61,832	90,495	195,912
Lime manufacturing	<1	2,831	6,994	16,928
Gypsum product manufacturing	<1	5,621	16,285	36,909
Abrasive product manufacturing	<1	3,960	12,294	19,583
Cut stone and stone product manufacturing	<1	4,710	5,672	11,443
Ground or treated mineral and earth manufacturing	<1	812	2,310	4,990
Mineral wool manufacturing	<1	6,297	15,363	31,021
Miscellaneous nonmetallic mineral products manufacturing	<1	12,391	39,451	81,892
Iron and steel mills and ferroalloy manufacturing	<1	23,732	49,758	290,439
Iron, steel pipe and tube manufacturing from purchased steel	<1	9,600	18,030	75,449
Rolled steel shape manufacturing	<1	9,052	20,829	77,024
Steel wire drawing	<1	5,267	8,265	33,989
Alumina refining and primary aluminum production	<1	1,091	1,805	9,398
Secondary smelting and alloying of aluminum	<1	499	939	8,148
Aluminum sheet, plate, and foil manufacturing	<1	2,259	4,984	25,669
Other aluminum rolling, drawing and extruding	<1	5,791	8,938	44,612

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	3,245	16,055	51,085
Copper rolling, drawing, extruding and alloying	<1	22,030	34,660	287,896
Nonferrous metal, except copper and aluminum, shaping	<1	1,031	1,288	4,635
Secondary processing of other nonferrous metals	<1	149	340	1,955
Ferrous metal foundries	<1	8,085	13,481	34,605
Nonferrous metal foundries	<1	2,991	4,495	13,230
Custom roll forming	<1	416	711	3,116
Crown and closure manufacturing and metal stamping	<1	7,736	9,854	29,270
Iron and steel forging	<1	17,300	28,215	86,276
Nonferrous forging	<1	1,149	1,694	6,679
Cutlery, utensil, pot, and pan manufacturing	<1	1,369	3,572	9,393
Handtool manufacturing	<1	2,852	4,696	10,944
Prefabricated metal buildings and components manufacturing	<1	64,016	93,507	282,294
Fabricated structural metal manufacturing	<1	57,296	85,928	270,084
Plate work manufacturing	<1	14,756	16,193	47,082
Metal window and door manufacturing	<1	27,963	38,401	104,943
Sheet metal work manufacturing	<1	32,230	43,111	121,139
Ornamental and architectural metal work manufacturing	<1	22,422	29,461	84,208
Power boiler and heat exchanger manufacturing	<1	3,129	4,396	10,439
Metal tank (heavy gauge) manufacturing	<1	30,023	38,422	112,136
Metal cans manufacturing	<1	2,378	5,356	23,167
Metal barrels, drums and pails manufacturing	<1	2,441	3,035	11,559
Hardware manufacturing	<1	3,979	6,296	19,972
Spring and wire product manufacturing	<1	4,140	5,716	17,119
Machine shops	<1	29,066	35,886	74,139
Turned product and screw, nut, and bolt manufacturing	<1	10,292	15,269	43,045
Metal heat treating	<1	10,925	15,949	38,545
Metal coating and nonprecious engraving	<1	19,918	35,290	83,735
Electroplating, anodizing, and coloring metal	<1	10,668	12,221	27,651
Valve and fittings, other than plumbing, manufacturing	<1	18,210	28,994	73,016

Appendix

Plumbing fixture fitting and trim manufacturing	<1	3,971	11,010	40,069
Ball and roller bearing manufacturing	<1	587	1,078	2,558
Small arms ammunition manufacturing	<1	603	1,217	2,532
Ammunition, except for small arms, manufacturing	<1	3,471	4,219	8,382
Small arms, ordnance, and accessories manufacturing	<1	1,309	2,486	7,221
Fabricated pipe and pipe fitting manufacturing	<1	18,020	22,737	58,563
Other fabricated metal manufacturing	<1	12,842	16,985	44,215
Farm machinery and equipment manufacturing	<1	415	686	2,918
Lawn and garden equipment manufacturing	<1	163	266	1,437
Construction machinery manufacturing	<1	723	1,458	5,061
Mining machinery and equipment manufacturing	<1	568	841	2,262
Oil and gas field machinery and equipment manufacturing	<1	6,735	10,210	26,380
Semiconductor machinery manufacturing	<1	176	201	673
Food product machinery manufacturing	<1	107	121	427
Sawmill, woodworking, and paper machinery	<1	73	80	230
Printing machinery and equipment manufacturing	<1	75	82	271
All other industrial machinery manufacturing	<1	1,021	1,240	3,135
Optical instrument and lens manufacturing	<1	113	151	482
Photographic and photocopying equipment manufacturing	<1	22	28	110
Other commercial service industry machinery manufacturing	<1	5,460	8,185	24,549
Air purification and ventilation equipment manufacturing	<1	2,032	2,561	7,978
Heating equipment (except warm air furnaces) manufacturing	<1	2,198	3,120	9,676
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	23,838	39,212	135,753
Industrial mold manufacturing	<1	358	407	1,014
Special tool, die, jig, and fixture manufacturing	<1	337	423	921

Appendix

Cutting tool and machine tool accessory manufacturing	<1	492	544	1,363
Machine tool manufacturing	<1	242	294	1,054
Rolling mill and other metalworking machinery manufacturing	<1	170	195	499
Turbine and turbine generator set units manufacturing	<1	99	123	473
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,638	2,269	7,232
Mechanical power transmission equipment manufacturing	<1	4,559	6,654	17,916
Other engine equipment manufacturing	<1	5,101	9,392	52,258
Pump and pumping equipment manufacturing	<1	3,008	4,807	15,195
Air and gas compressor manufacturing	<1	1,149	1,842	5,568
Elevator and moving stairway manufacturing	<1	578	762	2,307
Conveyor and conveying equipment manufacturing	<1	427	473	1,563
Overhead cranes, hoists, and monorail systems manufacturing	<1	1,899	3,300	10,732
Industrial truck, trailer, and stacker manufacturing	<1	1,066	1,584	5,559
Power-driven handtool manufacturing	<1	47	108	358
Welding and soldering equipment manufacturing	<1	1,065	1,441	4,663
Packaging machinery manufacturing	<1	129	172	566
Industrial process furnace and oven manufacturing	<1	130	150	417
Fluid power cylinder and actuator manufacturing	<1	2,590	3,435	8,387
Fluid power pump and motor manufacturing	<1	418	618	2,268
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,022	1,208	3,834
Electronic computer manufacturing	<1	146,910	369,345	715,528
Computer storage device manufacturing	<1	236	800	1,483
Computer terminals and other computer peripheral equipment manufacturing	2	276,804	549,993	1,052,623
Telephone apparatus manufacturing	<1	22,417	45,774	81,821

Appendix

Broadcast and wireless communications equipment manufacturing	<1	530	1,015	2,249
Other communications equipment manufacturing	<1	5,688	12,573	24,262
Audio and video equipment manufacturing	<1	343	729	2,005
Printed circuit assembly (electronic assembly) manufacturing	<1	15,249	37,753	112,414
Bare printed circuit board manufacturing	<1	6,409	9,862	17,965
Semiconductor and related device manufacturing	1	163,028	373,056	832,471
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,125	1,896	5,045
Electronic connector manufacturing	<1	10,713	20,482	54,876
Other electronic component manufacturing	<1	14,504	23,229	46,097
Electromedical and electrotherapeutic apparatus manufacturing	<1	365	936	1,842
Search, detection, and navigation instruments manufacturing	<1	140	313	527
Automatic environmental control manufacturing	<1	2,229	3,467	8,379
Industrial process variable instruments manufacturing	<1	2,255	4,440	8,965
Totalizing fluid meter and counting device manufacturing	<1	2,424	7,695	14,129
Electricity and signal testing instruments manufacturing	<1	743	1,480	4,199
Analytical laboratory instrument manufacturing	<1	13,500	30,274	54,206
Irradiation apparatus manufacturing	<1	12	32	72
Watch, clock, and other measuring and controlling device manufacturing	<1	345	855	2,073
Blank magnetic and optical recording media manufacturing	<1	97	413	770
Software and other prerecorded and record reproducing	<1	2,858	4,928	7,842
Electric lamp bulb and part manufacturing	<1	3,099	4,679	14,280
Lighting fixture manufacturing	<1	8,770	11,266	31,652
Small electrical appliance manufacturing	<1	1,260	2,136	11,120

Appendix

Household cooking appliance manufacturing	<1	411	648	1,870
Household refrigerator and home freezer manufacturing	<1	450	729	2,040
Household laundry equipment manufacturing	<1	1,052	1,439	4,911
Other major household appliance manufacturing	<1	235	395	1,048
Power, distribution, and specialty transformer manufacturing	<1	218	285	922
Motor and generator manufacturing	<1	8,729	12,009	37,167
Switchgear and switchboard apparatus manufacturing	<1	12,732	17,460	52,118
Relay and industrial control manufacturing	<1	4,183	5,121	13,637
Storage battery manufacturing	<1	1,394	1,757	5,242
Primary battery manufacturing	<1	4,054	1,199	12,615
Fiber optic cable manufacturing	<1	7,135	8,350	37,903
Other communication and energy wire manufacturing	<1	5,681	7,360	27,013
Wiring device manufacturing	<1	15,818	23,467	65,491
Carbon and graphite product manufacturing	<1	4,426	6,097	18,723
All other miscellaneous electrical equipment and component manufacturing	<1	12,752	14,124	36,877
Automobile manufacturing	<1	1,277	11,916	19,243
Light truck and utility vehicle manufacturing	<1	27,659	193,020	547,208
Heavy duty truck manufacturing	<1	143	875	2,114
Motor vehicle body manufacturing	<1	313	666	1,832
Truck trailer manufacturing	<1	90	197	580
Motor home manufacturing	<1	7,450	21,927	54,542
Travel trailer and camper manufacturing	<1	10,648	14,012	51,949
Motor vehicle gasoline engine and engine parts manufacturing	<1	5,440	14,747	48,153
Motor vehicle electrical and electronic equipment manufacturing	<1	20,470	42,678	170,955
Motor vehicle transmission and power train parts manufacturing	<1	4,046	10,688	41,179
Motor vehicle seating and interior trim manufacturing	<1	7,983	13,646	50,268
Motor vehicle metal stamping	<1	10,745	19,541	64,257
Other motor vehicle parts manufacturing	<1	25,207	60,563	178,230

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,587	7,723	21,530
Aircraft manufacturing	<1	24,700	61,848	182,727
Aircraft engine and engine parts manufacturing	<1	4,201	8,175	26,941
Other aircraft parts and auxiliary equipment manufacturing	<1	2,388	3,424	6,882
Guided missile and space vehicle manufacturing	<1	494	726	1,744
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	394	545	1,351
Railroad rolling stock manufacturing	<1	503	586	2,498
Ship building and repairing	<1	781	954	2,310
Boat building	<1	3,878	5,105	20,956
Motorcycle, bicycle, and parts manufacturing	<1	119	358	1,248
Military armored vehicle, tank, and tank component manufacturing	<1	329	642	2,372
All other transportation equipment manufacturing	<1	1,538	2,678	14,308
Wood kitchen cabinet and countertop manufacturing	<1	25,730	29,727	78,856
Upholstered household furniture manufacturing	<1	4,404	4,716	15,855
Nonupholstered wood household furniture manufacturing	<1	2,264	2,420	7,239
Other household nonupholstered furniture manufacturing	<1	701	881	4,179
Institutional furniture manufacturing	<1	945	981	3,263
Wood office furniture manufacturing	<1	311	356	1,238
Custom architectural woodwork and millwork	<1	608	554	1,831
Office furniture, except wood, manufacturing	<1	1,073	1,367	5,104
Showcase, partition, shelving, and locker manufacturing	<1	1,895	2,252	7,505
Mattress manufacturing	<1	4,070	5,139	24,808
Blind and shade manufacturing	<1	803	826	3,554
Surgical and medical instrument manufacturing	<1	1,550	2,177	6,286
Surgical appliance and supplies manufacturing	<1	7,029	10,228	26,338
Dental equipment and supplies manufacturing	<1	366	481	1,251

Appendix

Ophthalmic goods manufacturing	<1	4,051	5,831	15,078
Dental laboratories	<1	3,176	3,241	5,828
Jewelry and silverware manufacturing	<1	6,582	8,982	22,922
Sporting and athletic goods manufacturing	<1	3,598	4,316	14,807
Doll, toy, and game manufacturing	<1	871	1,090	3,957
Office supplies (except paper) manufacturing	<1	2,579	3,145	12,764
Sign manufacturing	<1	5,379	4,507	11,364
Gasket, packing, and sealing device manufacturing	<1	6,936	7,645	18,937
Musical instrument manufacturing	<1	182	187	486
Fasteners, buttons, needles, and pins manufacturing	<1	164	188	487
Broom, brush, and mop manufacturing	<1	543	597	2,314
Burial casket manufacturing	<1	380	423	1,003
All other miscellaneous manufacturing	<1	7,543	8,973	25,091
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	36,788	90,009	183,593
Wholesale - Professional and commercial equipment and supplies	2	206,352	335,839	536,349
Wholesale - Household appliances and electrical and electronic goods	1	119,789	306,924	580,115
Wholesale - Machinery, equipment, and supplies	1	135,683	271,202	434,055
Wholesale - Other durable goods merchant wholesalers	3	285,550	503,275	918,235
Wholesale - Drugs and druggists' sundries	<1	90,179	298,534	515,538
Wholesale - Grocery and related product wholesalers	2	142,404	201,687	392,811
Wholesale - Petroleum and petroleum products	<1	112,125	407,526	520,927
Wholesale - Other nondurable goods merchant wholesalers	3	224,757	427,304	780,636
Wholesale - Wholesale electronic markets and agents and brokers	1	163,621	169,964	197,372
Retail - Motor vehicle and parts dealers	2	152,544	222,901	320,088
Retail - Furniture and home furnishings stores	2	72,336	93,394	152,804
Retail - Electronics and appliance stores	2	94,429	84,011	144,738

Appendix

Retail - Building material and garden equipment and supplies stores	3	152,814	265,286	393,095
Retail - Food and beverage stores	6	213,696	281,352	462,659
Retail - Health and personal care stores	3	134,996	165,034	256,410
Retail - Gasoline stores	2	77,854	126,404	236,187
Retail - Clothing and clothing accessories stores	4	104,136	162,504	346,744
Retail - Sporting goods, hobby, musical instrument and book stores	2	55,989	72,508	119,696
Retail - General merchandise stores	7	231,887	330,143	544,268
Retail - Miscellaneous store retailers	4	95,004	114,513	196,650
Retail - Nonstore retailers	4	118,211	356,584	719,628
Air transportation	2	189,379	336,764	614,384
Rail transportation	<1	61,428	142,204	240,295
Water transportation	<1	21,436	33,375	132,932
Truck transportation	6	384,329	459,402	957,141
Transit and ground passenger transportation	5	43,331	43,256	92,357
Pipeline transportation	<1	653,569	265,045	303,740
Scenic and sightseeing transportation and support activities for transportation	4	258,988	283,575	572,047
Couriers and messengers	3	90,256	131,568	247,723
Warehousing and storage	5	182,410	211,418	424,660
Newspaper publishers	<1	20,079	33,309	41,401
Periodical publishers	<1	15,471	23,984	37,761
Book publishers	<1	12,805	37,839	60,770
Directory, mailing list, and other publishers	<1	14,554	38,081	50,183
Greeting card publishing	<1	16	41	50
Software publishers	1	204,387	439,269	486,982
Motion picture and video industries	<1	36,580	57,951	199,080
Sound recording industries	<1	4,166	19,213	40,031
Radio and television broadcasting	<1	57,681	82,924	284,922
Cable and other subscription programming	<1	5,887	47,214	130,933
Wired telecommunications carriers	1	164,292	410,148	682,877
Wireless telecommunications carriers (except satellite)	<1	44,802	308,779	703,050

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	29,320	53,329	125,430
Data processing, hosting, and related services	2	232,924	374,496	1,086,113
News syndicates, libraries, archives and all other information services	<1	8,954	12,225	29,010
Internet publishing and broadcasting and web search portals	<1	79,180	141,381	688,852
Nondepository credit intermediation and related activities	3	302,458	352,686	607,139
Securities and commodity contracts intermediation and brokerage	6	342,699	303,120	718,434
Monetary authorities and depository credit intermediation	7	720,967	1,411,538	2,609,017
Other financial investment activities	5	265,822	330,240	1,036,057
Direct life insurance carriers	1	127,706	240,704	374,342
Insurance carriers, except direct life	3	310,513	935,278	2,022,904
Insurance agencies, brokerages, and related activities	5	390,956	612,423	1,466,635
Funds, trusts, and other financial vehicles	1	140,438	209,264	555,199
Other real estate	30	784,406	1,974,236	5,453,022
Tenant-occupied housing	4	92,677	672,961	828,637
Owner-occupied dwellings	0	0	2,407,020	3,055,606
Automotive equipment rental and leasing	<1	43,249	137,962	202,894
General and consumer goods rental except video tapes and discs	<1	59,547	83,222	136,916
Video tape and disc rental	<1	11,904	20,893	31,382
Commercial and industrial machinery and equipment rental and leasing	1	112,387	323,194	453,272
Lessors of nonfinancial intangible assets	<1	16,270	263,269	289,210
Legal services	8	841,487	1,291,087	1,757,682
Accounting, tax preparation, bookkeeping, and payroll services	5	373,891	469,292	679,257
Architectural, engineering, and related services	6	546,005	583,902	969,679
Specialized design services	<1	30,565	44,642	70,166
Custom computer programming services	2	185,759	193,670	269,205

Appendix

Computer systems design services	2	231,330	217,357	278,506
Other computer related services, including facilities management	<1	67,238	99,407	169,517
Management consulting services	23	2,231,540	2,304,206	3,533,604
Environmental and other technical consulting services	2	162,479	168,994	240,170
Scientific research and development services	103	9,615,275	14,767,497	25,845,682
Advertising, public relations, and related services	3	203,391	260,083	464,877
Photographic services	<1	7,684	16,676	34,737
Veterinary services	<1	40,591	48,241	75,561
Marketing research and all other miscellaneous professional, scientific, and technical services	3	230,177	387,207	706,145
Management of companies and enterprises	10	1,051,472	1,241,857	2,122,945
Office administrative services	4	258,838	128,192	282,057
Facilities support services	<1	30,509	47,185	100,272
Employment services	23	922,499	1,384,870	2,054,605
Business support services	5	234,095	200,853	364,216
Travel arrangement and reservation services	1	61,586	82,222	186,491
Investigation and security services	4	136,264	134,284	202,829
Services to buildings	6	162,264	228,674	439,078
Landscape and horticultural services	3	104,911	130,369	232,518
Other support services	1	51,396	67,092	129,135
Waste management and remediation services	1	95,282	165,177	288,623
Elementary and secondary schools	2	105,568	96,779	114,068
Junior colleges, colleges, universities, and professional schools	93	4,396,601	6,418,440	8,333,156
Other educational services	3	93,987	106,835	208,863
Offices of physicians	8	870,473	898,216	1,254,735
Offices of dentists	2	166,467	198,473	283,965
Offices of other health practitioners	2	134,489	180,680	242,705
Outpatient care centers	2	152,964	137,372	231,049
Medical and diagnostic laboratories	<1	65,627	87,698	129,055
Home health care services	7	210,391	199,264	291,535
Other ambulatory health care services	<1	50,432	54,697	88,792

Appendix

Hospitals	11	945,539	1,063,531	2,019,997
Nursing and community care facilities	4	142,815	156,431	288,898
Residential mental retardation, mental health, substance abuse and other facilities	1	47,442	50,323	79,581
Individual and family services	5	128,505	101,869	168,942
Child day care services	3	77,499	95,016	141,674
Community food, housing, and other relief services, including rehabilitation services	1	44,132	42,747	98,896
Performing arts companies	<1	21,319	31,875	52,919
Commercial Sports Except Racing	2	104,338	99,570	141,198
Racing and Track Operation	<1	4,185	8,753	13,846
Independent artists, writers, and performers	<1	26,178	97,793	130,408
Promoters of performing arts and sports and agents for public figures	<1	22,802	45,152	83,351
Museums, historical sites, zoos, and parks	<1	12,987	17,386	30,465
Amusement parks and arcades	<1	7,342	21,793	32,167
Gambling industries (except casino hotels)	1	32,969	66,943	118,075
Other amusement and recreation industries	1	33,082	39,888	77,792
Fitness and recreational sports centers	1	23,517	33,477	62,849
Bowling centers	<1	4,561	7,278	13,631
Hotels and motels, including casino hotels	6	193,660	351,608	577,110
Other accommodations	1	46,713	65,138	87,547
Full-service restaurants	17	429,103	581,869	1,039,817
Limited-service restaurants	14	294,964	434,383	996,835
All other food and drinking places	9	257,884	342,539	530,866
Automotive repair and maintenance, except car washes	5	255,137	309,993	455,665
Car washes	2	130,306	190,593	288,958
Electronic and precision equipment repair and maintenance	20	1,347,500	1,727,239	2,743,398
Commercial and industrial machinery and equipment repair and maintenance	2	134,885	142,935	213,499
Personal and household goods repair and maintenance	<1	31,857	63,414	90,107
Personal care services	4	104,370	97,311	131,534
Death care services	<1	24,737	19,900	27,968

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Dry-cleaning and laundry services	2	61,338	47,155	63,414
Other personal services	3	76,869	94,867	141,559
Religious organizations	5	210,438	147,422	417,970
Grantmaking, giving, and social advocacy organizations	2	113,674	432,415	626,121
Business and professional associations	<1	46,828	88,446	147,695
Labor and civic organizations	1	34,137	110,501	184,578
Private households	3	49,923	49,923	49,923
Postal service	1	128,374	128,409	136,701
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	36,738	13,190	110,326
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	23,278	31,103	47,285
Local government passenger transit	<1	29,247	-7,425	39,736
Local government electric utilities	<1	24,232	78,470	137,262
Other local government enterprises	2	174,886	433,488	793,381
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	13	2,375,547	2,787,497	6,377,035

Utah

NASA

Table 757: Detailed NASA Impacts by Types of Impact, Utah

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	5,175	309,262,409	487,450,375	969,706,017
Oilseed farming	<1	652	19,238	28,242
Grain farming	<1	19,869	55,010	257,017
Vegetable and melon farming	<1	19,381	50,181	86,623
Fruit farming	<1	21,951	63,322	79,292
Tree nut farming	<1	460	1,327	1,606
Greenhouse, nursery, and floriculture production	2	86,551	146,394	252,380
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	9	85,393	141,285	261,468
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	6	21,539	226,593	870,639
Dairy cattle and milk production	1	21,398	79,167	461,688
Poultry and egg production	<1	16,292	28,657	271,980
Animal production, except cattle and poultry and eggs	10	155,809	1,086,113	1,480,079
Forestry, forest products, and timber tract production	<1	9,634	10,793	13,570
Commercial logging	<1	21,446	23,617	37,768
Commercial fishing	<1	45,393	82,340	107,135
Commercial hunting and trapping	<1	2,286	5,750	7,031
Support activities for agriculture and forestry	14	311,701	270,573	391,511
Oil and gas extraction	4	265,382	868,035	2,381,822
Coal mining	3	243,931	937,242	1,514,362
Copper, nickel, lead, and zinc mining	7	397,462	2,016,054	3,428,255
Iron ore mining	<1	6,052	17,415	74,130
Gold ore mining	<1	3,465	9,799	20,073
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	16,132	52,158	98,489
Other metal ore mining	<1	10,775	24,689	44,533
Stone mining and quarrying	<1	4,425	31,328	56,612
Sand and gravel mining	<1	36,361	127,992	232,186

Appendix

Other clay, ceramic, refractory minerals mining	<1	3,750	13,141	24,714
Potash, soda, and borate mineral mining	<1	5,838	13,548	22,269
Phosphate rock mining	<1	1,542	3,339	6,085
Other chemical and fertilizer mineral mining	<1	5,078	18,881	36,087
Other nonmetallic minerals	<1	7,807	26,011	45,353
Drilling oil and gas wells	<1	73	156	408
Support activities for oil and gas operations	<1	4,783	7,035	16,480
Metal mining services	<1	31,697	62,896	184,047
Other nonmetallic minerals services	<1	614	1,668	5,042
Electric power generation - Hydroelectric	<1	3,720	11,657	26,948
Electric power generation - Fossil fuel	3	458,460	1,598,388	4,114,354
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	99,646	320,314	565,395
Electric power generation - Wind	<1	719	5,609	10,201
Electric power generation - Geothermal	<1	7,717	16,841	35,010
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	4,022	2,961	6,544
Electric power transmission and distribution	5	776,131	2,485,743	6,233,935
Natural gas distribution	3	476,945	1,253,996	2,462,550
Water, sewage and other systems	<1	58,058	113,992	224,155
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	23	1,485,489	2,678,645	5,458,754
Maintenance and repair construction of residential structures	6	367,943	626,795	1,301,371
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	655	1,171	2,401
Dog and cat food manufacturing	<1	69,483	183,577	724,680
Other animal food manufacturing	1	81,029	129,528	1,051,967
Flour milling	<1	41,382	71,052	436,126
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	5,563	10,017	86,700
Breakfast cereal manufacturing	<1	78,550	169,198	538,691
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	33,566	48,644	214,415
Chocolate and confectionery manufacturing from cacao beans	<1	919	1,392	14,732
Confectionery manufacturing from purchased chocolate	<1	9,054	12,219	103,675
Frozen fruits, juices and vegetables manufacturing	<1	9,785	17,548	69,651
Frozen specialties manufacturing	2	124,584	164,544	639,892
Canned fruits and vegetables manufacturing	<1	4,471	8,251	46,297
Canned specialties	<1	4,095	8,905	58,840
Dehydrated food products manufacturing	<1	40	74	976
Cheese manufacturing	2	129,074	179,131	1,685,676
Dry, condensed, and evaporated dairy product manufacturing	<1	18,859	40,222	324,678
Fluid milk manufacturing	<1	70,063	103,865	659,763
Creamery butter manufacturing	<1	4,674	18,456	160,919
Ice cream and frozen dessert manufacturing	<1	30,672	40,500	181,701
Frozen cakes and other pastries manufacturing	2	50,015	65,524	131,097

Appendix

Poultry processing	2	118,604	144,130	686,454
Animal, except poultry, slaughtering	2	164,318	200,484	1,504,012
Meat processed from carcasses	3	183,958	176,781	1,271,425
Rendering and meat byproduct processing	<1	4,596	4,938	27,162
Seafood product preparation and packaging	<1	3,674	4,471	24,510
Bread and bakery product, except frozen, manufacturing	6	197,488	263,018	747,097
Cookie and cracker manufacturing	2	146,190	199,281	752,036
Dry pasta, mixes, and dough manufacturing	<1	13,710	26,748	75,282
Tortilla manufacturing	<1	3,906	4,718	18,376
Roasted nuts and peanut butter manufacturing	<1	20,736	34,886	145,392
Other snack food manufacturing	1	64,947	129,538	550,814
Coffee and tea manufacturing	<1	3,816	6,495	41,033
Flavoring syrup and concentrate manufacturing	<1	1,396	8,721	36,467
Mayonnaise, dressing, and sauce manufacturing	<1	11,442	20,165	94,333
Spice and extract manufacturing	<1	22,923	34,881	149,698
All other food manufacturing	<1	47,987	66,834	329,036
Bottled and canned soft drinks & water	1	108,970	159,537	685,053
Manufactured ice	<1	6,537	3,998	19,672
Breweries	<1	48,494	103,625	330,962
Wineries	<1	7,369	11,062	40,205
Distilleries	<1	12,589	53,761	116,960
Tobacco product manufacturing	<1	334	8,734	13,958
Fiber, yarn, and thread mills	<1	1,254	2,371	13,917
Broadwoven fabric mills	<1	966	2,033	4,955
Narrow fabric mills and schiffli machine embroidery	<1	548	648	2,845
Nonwoven fabric mills	<1	1,893	4,671	19,416
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	7,785	11,959	54,841
Fabric coating mills	<1	1,733	2,764	10,081
Carpet and rug mills	<1	7,720	18,132	96,160
Curtain and linen mills	<1	2,398	3,630	13,331
Textile bag and canvas mills	<1	15,858	21,361	60,733
Rope, cordage, twine, tire cord and tire fabric mills	<1	8,253	15,894	46,898
Other textile product mills	<1	6,412	8,736	28,127
Hosiery and sock mills	<1	874	1,082	3,639

Appendix

Other apparel knitting mills	<1	1,115	1,413	4,665
Cut and sew apparel contractors	<1	3,449	3,877	13,647
Mens and boys cut and sew apparel manufacturing	<1	746	990	3,573
Womens and girls cut and sew apparel manufacturing	<1	779	1,134	8,593
Other cut and sew apparel manufacturing	<1	1,566	2,060	10,335
Apparel accessories and other apparel manufacturing	<1	2,509	3,181	13,829
Leather and hide tanning and finishing	<1	94	135	736
Footwear manufacturing	<1	553	595	1,737
Other leather and allied product manufacturing	<1	1,582	1,650	4,640
Sawmills	<1	7,896	9,674	60,884
Wood preservation	<1	3,252	5,380	33,789
Veneer and plywood manufacturing	<1	3,623	4,451	21,233
Engineered wood member and truss manufacturing	<1	26,571	31,577	125,979
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	2	81,020	92,941	366,101
Cut stock, resawing lumber, and planing	<1	734	933	5,722
Other millwork, including flooring	1	39,323	47,578	198,722
Wood container and pallet manufacturing	1	46,463	51,921	182,554
Manufactured home (mobile home) manufacturing	<1	7	7	19
Prefabricated wood building manufacturing	<1	5,090	5,747	21,747
All other miscellaneous wood product manufacturing	<1	13,739	15,895	79,094
Pulp mills	<1	25,547	51,537	172,540
Paper mills	1	130,345	409,289	1,127,587
Paperboard mills	0	0	0	0
Paperboard container manufacturing	2	198,023	381,134	1,268,630
Paper bag and coated and treated paper manufacturing	1	86,779	215,887	652,041
Stationery product manufacturing	<1	16,019	29,912	115,671
Sanitary paper product manufacturing	1	113,293	517,675	1,216,170
All other converted paper product manufacturing	<1	5,994	10,870	31,567

Appendix

Printing	15	797,797	1,410,902	2,738,824
Support activities for printing	1	63,290	104,487	165,274
Petroleum refineries	2	418,361	2,028,666	11,852,815
Asphalt paving mixture and block manufacturing	<1	11,513	15,919	84,906
Asphalt shingle and coating materials manufacturing	<1	11,654	31,873	101,281
Petroleum lubricating oil and grease manufacturing	<1	9,164	23,729	71,455
All other petroleum and coal products manufacturing	<1	835	2,552	11,608
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	101,320	121,611	638,087
Synthetic dye and pigment manufacturing	<1	3,390	4,038	22,372
Other basic inorganic chemical manufacturing	<1	90,296	114,253	619,486
Other basic organic chemical manufacturing	<1	2,017	2,550	31,037
Plastics material and resin manufacturing	<1	3,431	4,061	64,198
Synthetic rubber manufacturing	<1	2,714	3,147	38,629
Artificial and synthetic fibers and filaments manufacturing	<1	193	221	1,880
Nitrogenous fertilizer manufacturing	<1	7,159	9,736	70,947
Phosphatic fertilizer manufacturing	<1	1,120	1,458	7,807
Fertilizer mixing	<1	462	566	3,104
Pesticide and other agricultural chemical manufacturing	<1	5,468	8,248	42,855
Medicinal and botanical manufacturing	<1	30,922	31,716	166,971
Pharmaceutical preparation manufacturing	2	151,074	240,601	1,636,174
In-vitro diagnostic substance manufacturing	<1	868	922	3,267
Biological product (except diagnostic) manufacturing	<1	576	696	2,266
Paint and coating manufacturing	<1	12,964	15,320	104,376
Adhesive manufacturing	<1	9,061	9,856	60,444
Soap and other detergent manufacturing	2	162,826	245,858	1,689,556
Polish and other sanitation good manufacturing	<1	20,692	22,991	126,311
Surface active agent manufacturing	<1	24,233	38,127	183,564
Toilet preparation manufacturing	<1	23,034	33,610	167,573
Printing ink manufacturing	<1	5,969	6,112	29,121

Appendix

Explosives manufacturing	<1	318	325	810
Custom compounding of purchased resins	<1	1,539	1,790	12,112
Photographic film and chemical manufacturing	<1	8,766	11,438	96,581
Other miscellaneous chemical product manufacturing	<1	15,535	17,561	112,361
Plastics packaging materials and unlaminated film and sheet manufacturing	1	71,597	116,821	479,545
Unlaminated plastics profile shape manufacturing	<1	17,206	37,199	123,238
Plastics pipe and pipe fitting manufacturing	<1	23,099	61,565	214,967
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	43,311	79,553	252,497
Polystyrene foam product manufacturing	<1	36,658	61,607	259,787
Urethane and other foam product (except polystyrene) manufacturing	<1	9,852	15,779	66,546
Plastics bottle manufacturing	<1	16,802	26,765	135,644
Other plastics product manufacturing	7	355,795	513,973	1,787,435
Tire manufacturing	<1	24,907	37,594	187,028
Rubber and plastics hoses and belting manufacturing	<1	10,595	15,712	56,833
Other rubber product manufacturing	2	157,312	219,422	658,461
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,642	3,786	11,225
Brick, tile, and other structural clay product manufacturing	<1	14,319	23,894	53,376
Flat glass manufacturing	<1	5,944	11,843	32,389
Other pressed and blown glass and glassware manufacturing	<1	12,562	21,291	57,631
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	45,011	74,945	201,076
Cement manufacturing	<1	21,915	50,142	131,072
Ready-mix concrete manufacturing	1	92,964	152,921	476,031
Concrete block and brick manufacturing	<1	8,490	14,983	43,049
Concrete pipe manufacturing	<1	3,343	5,450	13,527
Other concrete product manufacturing	<1	40,352	55,365	133,449
Lime manufacturing	<1	9,891	22,553	61,647
Gypsum product manufacturing	<1	19,673	49,566	137,346

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	26,735	31,565	70,095
Ground or treated mineral and earth manufacturing	<1	26,519	67,016	153,786
Mineral wool manufacturing	<1	7,610	16,995	45,938
Miscellaneous nonmetallic mineral products manufacturing	<1	12,058	32,107	77,123
Iron and steel mills and ferroalloy manufacturing	<1	106,148	221,458	933,277
Iron, steel pipe and tube manufacturing from purchased steel	<1	11,318	22,138	105,644
Rolled steel shape manufacturing	<1	4,680	11,712	48,731
Steel wire drawing	<1	14,004	23,353	104,873
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	15,642	24,234	118,838
Nonferrous metal (exc aluminum) smelting and refining	<1	27,588	155,487	450,776
Copper rolling, drawing, extruding and alloying	<1	4,257	7,095	49,338
Nonferrous metal, except copper and aluminum, shaping	<1	36,565	46,980	165,920
Secondary processing of other nonferrous metals	<1	552	1,170	5,752
Ferrous metal foundries	<1	39,302	65,321	168,218
Nonferrous metal foundries	<1	13,888	21,840	63,997
Custom roll forming	<1	1,471	2,486	13,931
Crown and closure manufacturing and metal stamping	<1	10,590	13,388	43,135
Iron and steel forging	<1	10,991	17,931	82,164
Nonferrous forging	<1	442	644	2,877
Cutlery, utensil, pot, and pan manufacturing	<1	746	1,890	4,390
Handtool manufacturing	<1	6,270	10,216	26,615
Prefabricated metal buildings and components manufacturing	<1	21,477	29,987	86,829
Fabricated structural metal manufacturing	2	139,863	204,308	637,292
Plate work manufacturing	<1	49,831	54,870	168,746
Metal window and door manufacturing	<1	35,428	47,877	132,850
Sheet metal work manufacturing	1	84,583	111,339	298,196

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Ornamental and architectural metal work manufacturing	<1	54,248	69,944	189,348
Power boiler and heat exchanger manufacturing	<1	60	88	322
Metal tank (heavy gauge) manufacturing	<1	7,379	9,370	27,918
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	8,049	10,137	51,723
Hardware manufacturing	<1	5,013	7,839	27,976
Spring and wire product manufacturing	<1	10,481	14,314	46,498
Machine shops	3	216,995	265,256	570,183
Turned product and screw, nut, and bolt manufacturing	<1	19,002	27,743	78,198
Metal heat treating	<1	6,551	9,506	28,137
Metal coating and nonprecious engraving	<1	36,415	63,426	174,382
Electroplating, anodizing, and coloring metal	<1	42,209	48,320	122,156
Valve and fittings, other than plumbing, manufacturing	<1	36,072	56,680	151,409
Plumbing fixture fitting and trim manufacturing	<1	25,704	69,470	211,572
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	11,102	23,695	75,839
Ammunition, except for small arms, manufacturing	<1	987	1,226	3,134
Small arms, ordnance, and accessories manufacturing	<1	19,790	37,028	101,359
Fabricated pipe and pipe fitting manufacturing	<1	10,804	13,403	36,304
Other fabricated metal manufacturing	2	87,332	114,838	343,494
Farm machinery and equipment manufacturing	<1	2,133	3,722	15,978
Lawn and garden equipment manufacturing	<1	1,513	2,726	15,600
Construction machinery manufacturing	<1	1,298	2,924	10,896
Mining machinery and equipment manufacturing	<1	4,052	6,513	19,802
Oil and gas field machinery and equipment manufacturing	<1	1,021	1,700	5,282
Semiconductor machinery manufacturing	<1	162	191	779
Food product machinery manufacturing	<1	47	55	229

Appendix

Sawmill, woodworking, and paper machinery	<1	779	881	3,217
Printing machinery and equipment manufacturing	<1	49	54	205
All other industrial machinery manufacturing	<1	765	994	3,221
Optical instrument and lens manufacturing	<1	22	33	108
Photographic and photocopying equipment manufacturing	<1	420	570	2,673
Other commercial service industry machinery manufacturing	<1	10,225	16,974	53,139
Air purification and ventilation equipment manufacturing	<1	4,065	5,651	16,649
Heating equipment (except warm air furnaces) manufacturing	<1	14,660	22,416	73,571
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	8,021	14,552	33,776
Industrial mold manufacturing	<1	6,430	7,546	18,957
Special tool, die, jig, and fixture manufacturing	<1	1,346	1,772	3,814
Cutting tool and machine tool accessory manufacturing	<1	8,160	9,239	22,391
Machine tool manufacturing	<1	193	247	1,109
Rolling mill and other metalworking machinery manufacturing	<1	88	106	224
Turbine and turbine generator set units manufacturing	<1	75	97	357
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,360	2,064	6,207
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	5,672	12,347	75,524
Pump and pumping equipment manufacturing	<1	1,589	2,834	8,275
Air and gas compressor manufacturing	<1	46	88	282
Elevator and moving stairway manufacturing	<1	262	374	1,284
Conveyor and conveying equipment manufacturing	<1	681	769	2,150
Overhead cranes, hoists, and monorail systems manufacturing	<1	108	196	683
Industrial truck, trailer, and stacker manufacturing	<1	4,126	6,693	20,118

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Power-driven handtool manufacturing	<1	69	178	413
Welding and soldering equipment manufacturing	<1	827	1,218	5,588
Packaging machinery manufacturing	<1	1,682	2,460	8,452
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	47,603	67,415	165,654
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,729	2,130	6,071
Electronic computer manufacturing	<1	874	1,675	6,003
Computer storage device manufacturing	<1	70	159	619
Computer terminals and other computer peripheral equipment manufacturing	<1	10,147	16,414	40,338
Telephone apparatus manufacturing	<1	226	331	988
Broadcast and wireless communications equipment manufacturing	<1	473	697	2,229
Other communications equipment manufacturing	<1	281	441	1,631
Audio and video equipment manufacturing	<1	1,641	2,634	9,591
Printed circuit assembly (electronic assembly) manufacturing	<1	1,551	2,590	12,092
Bare printed circuit board manufacturing	<1	4,079	5,230	17,842
Semiconductor and related device manufacturing	<1	13,817	22,181	74,775
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	721	988	2,612
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	3,994	5,206	14,566
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,076	1,930	5,392
Search, detection, and navigation instruments manufacturing	<1	183	297	731
Automatic environmental control manufacturing	<1	6,967	8,997	19,159

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Industrial process variable instruments manufacturing	<1	5,652	8,491	22,222
Totalizing fluid meter and counting device manufacturing	<1	391	775	1,844
Electricity and signal testing instruments manufacturing	<1	3,432	5,158	14,248
Analytical laboratory instrument manufacturing	<1	11,748	19,032	44,198
Irradiation apparatus manufacturing	<1	1,128	2,071	5,570
Watch, clock, and other measuring and controlling device manufacturing	<1	1,495	2,581	6,826
Blank magnetic and optical recording media manufacturing	<1	1,455	3,974	21,033
Software and other prerecorded and record reproducing	<1	13,841	19,278	52,673
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	1,363	2,020	7,137
Small electrical appliance manufacturing	<1	3,225	7,064	27,994
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	37	56	159
Motor and generator manufacturing	<1	3,483	5,970	13,127
Switchgear and switchboard apparatus manufacturing	<1	956	1,632	4,488
Relay and industrial control manufacturing	<1	2,471	3,396	9,506
Storage battery manufacturing	<1	8,427	11,965	33,166
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	652	1,002	4,275
Wiring device manufacturing	<1	1,027	1,950	5,718
Carbon and graphite product manufacturing	2	187,932	320,111	953,540
All other miscellaneous electrical equipment and component manufacturing	<1	658	762	2,219
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	324	1,996	5,082
Motor vehicle body manufacturing	<1	69	151	465
Truck trailer manufacturing	<1	1,026	2,077	6,320
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	1	69,556	91,138	365,975
Motor vehicle gasoline engine and engine parts manufacturing	<1	822	2,226	10,896
Motor vehicle electrical and electronic equipment manufacturing	<1	9,453	18,286	62,836
Motor vehicle transmission and power train parts manufacturing	<1	6,117	16,409	48,824
Motor vehicle seating and interior trim manufacturing	<1	376	628	3,646
Motor vehicle metal stamping	<1	42,203	74,780	194,744
Other motor vehicle parts manufacturing	5	394,085	890,883	2,695,963
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	19,270	57,858	146,299
Aircraft manufacturing	<1	226	548	1,958
Aircraft engine and engine parts manufacturing	<1	7,632	18,965	45,688
Other aircraft parts and auxiliary equipment manufacturing	4	327,517	500,922	1,239,070
Guided missile and space vehicle manufacturing	<1	1,881	3,263	7,967
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	2,494	3,876	9,209
Railroad rolling stock manufacturing	<1	273	338	2,083
Ship building and repairing	<1	536	682	1,815
Boat building	<1	5,173	7,232	30,642
Motorcycle, bicycle, and parts manufacturing	<1	7,629	26,564	79,245
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,138	4,194	16,108
Wood kitchen cabinet and countertop manufacturing	2	99,561	223,950	411,021
Upholstered household furniture manufacturing	<1	15,529	21,179	75,382

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Nonupholstered wood household furniture manufacturing	<1	18,683	30,849	75,416
Other household nonupholstered furniture manufacturing	<1	2,890	7,824	22,590
Institutional furniture manufacturing	<1	960	1,238	3,306
Wood office furniture manufacturing	<1	49	115	304
Custom architectural woodwork and millwork	<1	2,903	2,889	7,880
Office furniture, except wood, manufacturing	<1	2,279	7,508	14,615
Showcase, partition, shelving, and locker manufacturing	<1	4,205	10,446	21,089
Mattress manufacturing	<1	17,700	65,057	142,069
Blind and shade manufacturing	<1	11,184	12,946	47,620
Surgical and medical instrument manufacturing	1	97,350	189,540	420,542
Surgical appliance and supplies manufacturing	<1	19,412	40,518	91,502
Dental equipment and supplies manufacturing	<1	8,509	14,941	34,037
Ophthalmic goods manufacturing	<1	3,363	6,933	13,394
Dental laboratories	<1	20,656	21,424	37,843
Jewelry and silverware manufacturing	1	58,400	88,921	218,433
Sporting and athletic goods manufacturing	2	116,929	170,069	501,646
Doll, toy, and game manufacturing	<1	1,361	2,360	8,892
Office supplies (except paper) manufacturing	<1	17,164	26,134	83,120
Sign manufacturing	<1	47,024	42,954	105,536
Gasket, packing, and sealing device manufacturing	<1	33,744	43,186	97,568
Musical instrument manufacturing	<1	2,621	2,894	9,162
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	5,673	9,074	23,348
Burial casket manufacturing	<1	5,306	6,806	14,249
All other miscellaneous manufacturing	<1	41,345	56,810	153,139
Wholesale - Motor vehicle and motor vehicle parts and supplies	4	296,042	575,700	1,288,559
Wholesale - Professional and commercial equipment and supplies	9	1,063,117	1,620,461	2,772,202

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Wholesale - Household appliances and electrical and electronic goods	4	466,474	924,928	2,023,597
Wholesale - Machinery, equipment, and supplies	8	763,059	1,271,472	2,232,861
Wholesale - Other durable goods merchant wholesalers	14	1,145,983	1,791,319	3,526,636
Wholesale - Drugs and druggists' sundries	6	753,650	1,748,242	3,761,387
Wholesale - Grocery and related product wholesalers	11	859,951	1,086,150	2,165,043
Wholesale - Petroleum and petroleum products	1	113,370	1,352,947	1,561,917
Wholesale - Other nondurable goods merchant wholesalers	14	1,042,699	2,057,312	4,034,528
Wholesale - Wholesale electronic markets and agents and brokers	7	783,262	806,848	942,393
Retail - Motor vehicle and parts dealers	17	1,063,884	1,476,631	2,205,852
Retail - Furniture and home furnishings stores	12	529,377	682,881	1,107,803
Retail - Electronics and appliance stores	11	662,599	492,673	911,054
Retail - Building material and garden equipment and supplies stores	13	557,707	870,500	1,352,485
Retail - Food and beverage stores	41	1,278,414	1,611,490	2,777,109
Retail - Health and personal care stores	19	1,245,694	1,385,871	1,973,846
Retail - Gasoline stores	15	493,124	753,839	1,451,221
Retail - Clothing and clothing accessories stores	25	749,915	1,041,642	2,188,260
Retail - Sporting goods, hobby, musical instrument and book stores	16	415,942	542,912	910,309
Retail - General merchandise stores	49	1,577,362	2,159,642	3,603,870
Retail - Miscellaneous store retailers	29	830,357	899,717	1,474,966
Retail - Nonstore retailers	35	1,623,252	3,715,591	6,584,376
Air transportation	11	1,332,288	2,873,640	4,760,636
Rail transportation	2	205,323	610,711	1,071,637
Water transportation	<1	23,257	12,133	196,372
Truck transportation	29	1,832,317	2,292,770	4,530,824
Transit and ground passenger transportation	28	290,602	710,808	994,021
Pipeline transportation	<1	285,524	309,136	381,718
Scenic and sightseeing transportation and support activities for transportation	24	2,585,999	2,706,115	4,534,746

Appendix

Couriers and messengers	20	856,735	1,049,795	1,767,290
Warehousing and storage	22	939,721	1,030,081	1,980,095
Newspaper publishers	2	146,343	240,605	301,972
Periodical publishers	<1	62,822	96,650	152,427
Book publishers	1	74,994	216,593	397,868
Directory, mailing list, and other publishers	1	69,331	182,512	270,176
Greeting card publishing	<1	13,382	34,742	49,781
Software publishers	18	2,723,387	5,909,811	6,487,131
Motion picture and video industries	13	622,597	1,075,121	2,932,346
Sound recording industries	<1	21,564	100,081	230,274
Radio and television broadcasting	5	650,283	850,285	2,253,508
Cable and other subscription programming	2	183,346	1,249,546	2,930,465
Wired telecommunications carriers	9	806,531	2,104,465	3,940,845
Wireless telecommunications carriers (except satellite)	<1	79,642	648,927	1,584,541
Satellite, telecommunications resellers, and all other telecommunications	3	371,511	589,936	1,400,127
Data processing, hosting, and related services	14	1,213,984	2,168,122	6,503,602
News syndicates, libraries, archives and all other information services	3	193,930	306,408	619,294
Internet publishing and broadcasting and web search portals	10	1,926,986	3,827,565	12,051,692
Nondepository credit intermediation and related activities	21	1,917,270	3,089,488	4,826,722
Securities and commodity contracts intermediation and brokerage	45	1,628,417	1,273,241	4,610,051
Monetary authorities and depository credit intermediation	47	3,833,303	22,929,001	29,499,916
Other financial investment activities	39	1,299,431	1,520,461	6,938,842
Direct life insurance carriers	3	281,186	577,379	859,944
Insurance carriers, except direct life	19	1,428,450	5,056,704	10,946,660
Insurance agencies, brokerages, and related activities	29	2,068,378	3,464,372	8,351,682
Funds, trusts, and other financial vehicles	13	464,327	652,885	3,657,714
Other real estate	384	8,975,414	24,000,247	69,146,969
Tenant-occupied housing	18	425,791	6,207,648	7,011,128

Appendix

Owner-occupied dwellings	0	0	18,003,243	22,854,326
Automotive equipment rental and leasing	4	349,156	952,656	1,247,796
General and consumer goods rental except video tapes and discs	6	488,100	590,323	918,279
Video tape and disc rental	2	82,037	133,883	217,736
Commercial and industrial machinery and equipment rental and leasing	5	630,802	1,591,190	2,051,899
Lessors of nonfinancial intangible assets	1	54,891	2,605,139	2,902,293
Legal services	89	7,176,151	9,286,493	14,371,853
Accounting, tax preparation, bookkeeping, and payroll services	40	2,296,537	2,851,800	4,621,361
Architectural, engineering, and related services	53	3,759,175	4,048,932	7,615,709
Specialized design services	4	267,395	388,300	641,324
Custom computer programming services	20	1,700,644	1,758,707	2,546,910
Computer systems design services	12	1,046,234	1,013,229	1,332,879
Other computer related services, including facilities management	11	918,341	1,519,559	2,751,184
Management consulting services	105	7,701,624	7,930,704	13,658,287
Environmental and other technical consulting services	11	864,011	894,067	1,380,833
Scientific research and development services	1,758	130,956,986	175,484,534	365,800,623
Advertising, public relations, and related services	25	1,524,500	1,918,821	3,849,670
Photographic services	2	84,743	181,199	386,299
Veterinary services	5	212,093	250,458	418,137
Marketing research and all other miscellaneous professional, scientific, and technical services	38	3,771,419	6,145,865	10,331,792
Management of companies and enterprises	134	10,261,651	11,770,894	24,121,262
Office administrative services	34	2,453,074	1,017,347	2,378,555
Facilities support services	1	72,161	108,812	237,017
Employment services	160	6,722,553	9,957,985	14,623,751
Business support services	42	1,975,890	1,635,217	2,878,878
Travel arrangement and reservation services	13	595,573	780,685	1,976,779
Investigation and security services	18	782,830	758,401	1,081,330
Services to buildings	41	1,190,846	1,635,438	3,124,907
Landscape and horticultural services	29	1,126,446	1,364,585	2,439,232

Appendix

Other support services	10	509,657	653,565	1,216,295
Waste management and remediation services	8	532,091	922,215	1,787,175
Elementary and secondary schools	21	812,139	683,366	832,301
Junior colleges, colleges, universities, and professional schools	76	2,647,895	3,610,828	5,184,289
Other educational services	14	604,648	673,802	1,229,179
Offices of physicians	50	4,612,036	4,812,998	7,122,725
Offices of dentists	19	871,835	1,091,855	1,754,490
Offices of other health practitioners	17	705,414	1,018,516	1,479,194
Outpatient care centers	8	481,865	435,868	820,269
Medical and diagnostic laboratories	5	361,845	519,142	771,156
Home health care services	21	962,366	913,273	1,180,365
Other ambulatory health care services	5	274,134	304,743	518,513
Hospitals	76	5,914,098	6,942,071	13,686,589
Nursing and community care facilities	27	964,170	1,114,736	2,047,998
Residential mental retardation, mental health, substance abuse and other facilities	13	519,506	571,689	895,730
Individual and family services	46	1,186,811	1,050,244	1,635,016
Child day care services	17	390,164	593,630	834,367
Community food, housing, and other relief services, including rehabilitation services	10	308,619	304,417	707,590
Performing arts companies	9	184,287	289,213	559,954
Commercial Sports Except Racing	25	781,419	592,366	1,054,284
Racing and Track Operation	<1	28,462	46,529	82,296
Independent artists, writers, and performers	9	225,618	883,182	1,248,462
Promoters of performing arts and sports and agents for public figures	12	244,149	509,107	1,074,815
Museums, historical sites, zoos, and parks	3	89,828	117,076	227,403
Amusement parks and arcades	3	67,255	307,325	388,487
Gambling industries (except casino hotels)	9	250,642	517,800	948,814
Other amusement and recreation industries	17	437,116	599,116	1,057,500
Fitness and recreational sports centers	11	158,400	312,694	568,834
Bowling centers	2	38,444	82,549	144,342

Appendix

Hotels and motels, including casino hotels	9	281,819	603,623	962,769
Other accommodations	2	77,949	112,387	159,125
Full-service restaurants	85	1,964,647	2,885,226	5,206,943
Limited-service restaurants	84	1,656,677	2,703,632	6,149,540
All other food and drinking places	64	1,624,935	2,489,647	3,904,027
Automotive repair and maintenance, except car washes	33	1,773,535	2,165,696	3,174,523
Car washes	18	954,654	1,339,330	2,092,397
Electronic and precision equipment repair and maintenance	11	712,138	900,390	1,484,127
Commercial and industrial machinery and equipment repair and maintenance	57	4,348,821	4,613,814	6,727,179
Personal and household goods repair and maintenance	6	248,735	528,377	741,925
Personal care services	26	595,072	598,822	831,290
Death care services	5	134,630	123,935	172,680
Dry-cleaning and laundry services	13	336,363	299,664	397,965
Other personal services	20	552,014	740,012	1,101,518
Religious organizations	20	1,753,930	1,488,388	2,680,544
Grantmaking, giving, and social advocacy organizations	4	232,857	1,016,682	1,428,955
Business and professional associations	3	330,104	695,511	1,012,716
Labor and civic organizations	5	149,635	563,807	860,494
Private households	19	200,525	200,494	200,494
Postal service	10	880,335	880,522	941,434
Federal electric utilities	0	0	0	0
Other federal government enterprises	2	108,573	131,923	572,288
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	6	206,959	207,438	915,192
Local government passenger transit	9	664,091	-48,899	847,469
Local government electric utilities	<1	97,355	301,157	540,887
Other local government enterprises	10	902,168	2,102,472	3,690,558
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	7	1,307,516	1,511,432	3,457,746

Moon to Mars Campaign

Table 758: Detailed M2M Campaign Impacts by Types of Impact, Utah

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>4,605</i>	<i>292,680,438</i>	<i>459,574,452</i>	<i>891,773,324</i>
Oilseed farming	<1	624	25,764	42,372
Grain farming	<1	15,344	47,020	204,326
Vegetable and melon farming	<1	17,304	45,903	79,110
Fruit farming	<1	21,671	63,419	79,783
Tree nut farming	<1	575	1,664	1,992
Greenhouse, nursery, and floriculture production	2	73,353	126,183	215,494
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	7	62,748	107,002	196,563
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	4	18,075	172,729	627,192
Dairy cattle and milk production	<1	21,879	76,020	420,303
Poultry and egg production	<1	12,635	24,369	207,972
Animal production, except cattle and poultry and eggs	8	99,889	800,177	1,102,953
Forestry, forest products, and timber tract production	<1	9,400	10,531	12,929
Commercial logging	<1	18,101	20,014	30,866
Commercial fishing	<1	44,270	70,474	92,289
Commercial hunting and trapping	<1	3,194	5,256	6,200
Support activities for agriculture and forestry	11	250,154	215,714	313,499
Oil and gas extraction	3	154,114	628,161	1,740,816

Appendix

Coal mining	2	142,943	509,047	846,514
Copper, nickel, lead, and zinc mining	3	215,038	1,146,170	1,836,107
Iron ore mining	<1	5,723	16,397	68,357
Gold ore mining	<1	2,178	6,243	13,171
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	10,131	32,581	62,435
Other metal ore mining	<1	8,276	18,373	32,970
Stone mining and quarrying	<1	4,172	24,960	46,111
Sand and gravel mining	<1	35,581	113,027	200,941
Other clay, ceramic, refractory minerals mining	<1	3,209	10,718	20,663
Potash, soda, and borate mineral mining	<1	5,474	12,036	19,819
Phosphate rock mining	<1	1,508	3,261	5,955
Other chemical and fertilizer mineral mining	<1	5,458	16,869	31,783
Other nonmetallic minerals	<1	8,342	26,453	45,773
Drilling oil and gas wells	<1	47	108	287
Support activities for oil and gas operations	<1	2,467	3,810	8,974
Metal mining services	<1	18,834	43,007	126,876
Other nonmetallic minerals services	<1	411	1,396	4,059
Electric power generation - Hydroelectric	<1	3,512	10,953	24,660
Electric power generation - Fossil fuel	3	545,049	1,805,236	4,300,537
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	81,485	272,096	472,492
Electric power generation - Wind	<1	608	4,718	8,396
Electric power generation - Geothermal	<1	9,349	19,849	41,193
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	4,863	3,640	7,132
Electric power transmission and distribution	5	777,460	2,465,639	5,884,072
Natural gas distribution	2	471,462	1,281,458	2,394,522
Water, sewage and other systems	<1	52,813	102,144	190,687
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	20	1,301,785	2,370,136	4,722,653
Maintenance and repair construction of residential structures	6	346,672	593,187	1,211,122
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	594	1,054	2,155
Dog and cat food manufacturing	<1	53,027	147,025	563,261
Other animal food manufacturing	<1	69,214	115,423	897,562
Flour milling	<1	32,990	57,512	351,491
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	6,123	11,346	93,161
Breakfast cereal manufacturing	<1	52,134	115,483	346,377
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	35,922	52,011	219,688
Chocolate and confectionery manufacturing from cacao beans	<1	1,213	1,854	18,955
Confectionery manufacturing from purchased chocolate	<1	8,148	11,194	88,763
Frozen fruits, juices and vegetables manufacturing	<1	10,013	18,635	67,318
Frozen specialties manufacturing	2	116,243	154,490	594,196
Canned fruits and vegetables manufacturing	<1	5,284	9,874	53,914

Appendix

Canned specialties	<1	4,114	8,882	57,376
Dehydrated food products manufacturing	<1	45	82	1,068
Cheese manufacturing	2	126,308	175,395	1,668,624
Dry, condensed, and evaporated dairy product manufacturing	<1	21,400	47,291	349,943
Fluid milk manufacturing	<1	63,769	97,095	608,631
Creamery butter manufacturing	<1	4,322	16,779	141,708
Ice cream and frozen dessert manufacturing	<1	28,195	38,317	159,678
Frozen cakes and other pastries manufacturing	2	47,603	62,121	123,032
Poultry processing	2	90,522	113,919	525,760
Animal, except poultry, slaughtering	2	123,874	153,403	1,134,279
Meat processed from carcasses	2	168,904	164,384	1,169,632
Rendering and meat byproduct processing	<1	4,584	4,946	26,839
Seafood product preparation and packaging	<1	3,007	3,799	20,126
Bread and bakery product, except frozen, manufacturing	5	181,668	243,210	684,564
Cookie and cracker manufacturing	2	152,748	220,496	761,716
Dry pasta, mixes, and dough manufacturing	<1	12,081	23,816	69,424
Tortilla manufacturing	<1	3,436	4,129	15,995
Roasted nuts and peanut butter manufacturing	<1	20,956	36,882	143,879
Other snack food manufacturing	1	60,853	123,595	511,984
Coffee and tea manufacturing	<1	3,267	5,763	35,227
Flavoring syrup and concentrate manufacturing	<1	1,614	9,908	41,286
Mayonnaise, dressing, and sauce manufacturing	<1	11,742	20,472	92,821
Spice and extract manufacturing	<1	28,607	45,282	180,800
All other food manufacturing	<1	49,794	69,622	331,995
Bottled and canned soft drinks & water	<1	95,725	144,016	601,274
Manufactured ice	<1	6,005	3,923	17,425
Breweries	<1	42,328	95,124	296,105
Wineries	<1	8,906	13,546	47,196
Distilleries	<1	11,952	52,618	109,107
Tobacco product manufacturing	<1	378	11,756	17,216
Fiber, yarn, and thread mills	<1	952	1,992	10,514
Broadwoven fabric mills	<1	695	1,619	3,703
Narrow fabric mills and schiffli machine embroidery	<1	611	734	3,113

Appendix

Nonwoven fabric mills	<1	2,104	5,509	21,095
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	10,041	15,473	68,512
Fabric coating mills	<1	2,213	3,467	12,097
Carpet and rug mills	<1	7,240	19,556	87,443
Curtain and linen mills	<1	2,496	3,884	13,729
Textile bag and canvas mills	<1	14,726	20,194	55,681
Rope, cordage, twine, tire cord and tire fabric mills	<1	5,287	10,720	30,174
Other textile product mills	<1	6,427	8,891	27,437
Hosiery and sock mills	<1	747	967	2,921
Other apparel knitting mills	<1	1,267	1,573	5,000
Cut and sew apparel contractors	<1	4,048	4,534	15,495
Mens and boys cut and sew apparel manufacturing	<1	807	1,080	3,627
Womens and girls cut and sew apparel manufacturing	<1	1,023	1,490	10,848
Other cut and sew apparel manufacturing	<1	1,960	2,569	12,258
Apparel accessories and other apparel manufacturing	<1	2,812	3,575	14,469
Leather and hide tanning and finishing	<1	95	139	721
Footwear manufacturing	<1	534	583	1,616
Other leather and allied product manufacturing	<1	1,814	1,897	5,147
Sawmills	<1	6,067	7,443	47,349
Wood preservation	<1	2,305	3,834	24,467
Veneer and plywood manufacturing	<1	2,696	3,335	16,071
Engineered wood member and truss manufacturing	<1	24,996	29,352	117,132
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	1	62,192	71,740	279,450
Cut stock, resawing lumber, and planing	<1	581	741	4,517
Other millwork, including flooring	<1	33,936	40,995	166,068
Wood container and pallet manufacturing	<1	41,204	46,576	160,137
Manufactured home (mobile home) manufacturing	<1	5	5	15
Prefabricated wood building manufacturing	<1	3,848	4,259	16,361
All other miscellaneous wood product manufacturing	<1	13,578	16,171	74,701
Pulp mills	<1	13,814	26,984	93,516

Appendix

Paper mills	<1	91,993	268,211	788,797
Paperboard mills	0	0	0	0
Paperboard container manufacturing	2	192,430	369,448	1,221,192
Paper bag and coated and treated paper manufacturing	1	81,024	192,172	587,793
Stationery product manufacturing	<1	16,346	29,907	112,610
Sanitary paper product manufacturing	1	102,857	436,750	1,079,846
All other converted paper product manufacturing	<1	5,090	9,133	27,567
Printing	14	803,008	1,449,393	2,669,723
Support activities for printing	1	76,855	126,742	197,074
Petroleum refineries	1	348,458	1,645,838	9,573,706
Asphalt paving mixture and block manufacturing	<1	10,290	14,358	74,016
Asphalt shingle and coating materials manufacturing	<1	9,971	27,731	85,483
Petroleum lubricating oil and grease manufacturing	<1	9,108	23,588	68,716
All other petroleum and coal products manufacturing	<1	548	1,582	7,093
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	98,301	119,821	623,162
Synthetic dye and pigment manufacturing	<1	3,394	4,179	23,593
Other basic inorganic chemical manufacturing	<1	75,312	102,301	533,120
Other basic organic chemical manufacturing	<1	1,676	2,122	26,586
Plastics material and resin manufacturing	<1	2,827	3,389	54,254
Synthetic rubber manufacturing	<1	2,693	3,148	39,355
Artificial and synthetic fibers and filaments manufacturing	<1	370	413	3,534
Nitrogenous fertilizer manufacturing	<1	7,811	10,978	74,116
Phosphatic fertilizer manufacturing	<1	1,203	1,584	8,437
Fertilizer mixing	<1	413	529	2,832
Pesticide and other agricultural chemical manufacturing	<1	4,077	6,183	32,868
Medicinal and botanical manufacturing	<1	36,560	39,295	190,554
Pharmaceutical preparation manufacturing	2	182,026	303,433	1,962,339
In-vitro diagnostic substance manufacturing	<1	1,467	1,577	5,585

Appendix

Biological product (except diagnostic) manufacturing	<1	893	1,152	3,507
Paint and coating manufacturing	<1	12,178	14,965	100,901
Adhesive manufacturing	<1	10,586	12,115	69,829
Soap and other detergent manufacturing	1	171,904	290,263	1,682,531
Polish and other sanitation good manufacturing	<1	22,728	26,461	134,857
Surface active agent manufacturing	<1	20,737	36,453	159,644
Toilet preparation manufacturing	<1	26,123	40,150	191,517
Printing ink manufacturing	<1	8,079	8,297	39,650
Explosives manufacturing	<1	265	272	700
Custom compounding of purchased resins	<1	1,594	1,920	12,592
Photographic film and chemical manufacturing	<1	7,531	10,296	83,542
Other miscellaneous chemical product manufacturing	<1	13,065	15,412	99,373
Plastics packaging materials and unlaminated film and sheet manufacturing	1	73,874	120,733	484,836
Unlaminated plastics profile shape manufacturing	<1	15,944	34,544	110,901
Plastics pipe and pipe fitting manufacturing	<1	24,977	66,529	231,895
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	28,511	52,362	165,873
Polystyrene foam product manufacturing	<1	31,253	52,586	223,652
Urethane and other foam product (except polystyrene) manufacturing	<1	8,884	14,279	59,809
Plastics bottle manufacturing	<1	18,493	29,497	144,627
Other plastics product manufacturing	6	327,233	476,066	1,599,850
Tire manufacturing	<1	17,058	26,112	133,034
Rubber and plastics hoses and belting manufacturing	<1	7,786	11,497	41,929
Other rubber product manufacturing	2	159,616	222,226	679,222
Pottery, ceramics, and plumbing fixture manufacturing	<1	2,376	3,277	10,162
Brick, tile, and other structural clay product manufacturing	<1	11,825	19,148	43,967
Flat glass manufacturing	<1	5,747	11,005	31,025
Other pressed and blown glass and glassware manufacturing	<1	12,762	21,039	56,625
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	38,464	62,585	170,477
Cement manufacturing	<1	19,495	43,298	115,242
Ready-mix concrete manufacturing	1	81,064	130,707	409,058
Concrete block and brick manufacturing	<1	8,820	14,872	44,391
Concrete pipe manufacturing	<1	2,822	4,492	11,533
Other concrete product manufacturing	<1	33,704	45,350	111,530
Lime manufacturing	<1	6,545	15,084	41,353
Gypsum product manufacturing	<1	19,317	46,971	132,567
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	22,533	26,453	58,788
Ground or treated mineral and earth manufacturing	<1	20,358	51,317	117,348
Mineral wool manufacturing	<1	8,445	18,288	48,320
Miscellaneous nonmetallic mineral products manufacturing	<1	12,983	32,232	76,811
Iron and steel mills and ferroalloy manufacturing	<1	93,998	187,933	842,703
Iron, steel pipe and tube manufacturing from purchased steel	<1	12,272	23,058	110,041
Rolled steel shape manufacturing	<1	3,572	8,633	38,870
Steel wire drawing	<1	15,119	24,754	112,764
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	17,206	25,807	127,272
Nonferrous metal (exc aluminum) smelting and refining	<1	17,545	91,845	280,695
Copper rolling, drawing, extruding and alloying	<1	4,003	6,592	43,934
Nonferrous metal, except copper and aluminum, shaping	<1	35,778	44,495	164,567
Secondary processing of other nonferrous metals	<1	563	1,011	5,416
Ferrous metal foundries	<1	36,643	59,773	159,237
Nonferrous metal foundries	<1	14,447	21,990	64,893
Custom roll forming	<1	1,718	2,828	16,050
Crown and closure manufacturing and metal stamping	<1	11,289	14,265	45,161
Iron and steel forging	<1	11,728	18,961	86,090

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Nonferrous forging	<1	502	722	3,130
Cutlery, utensil, pot, and pan manufacturing	<1	761	1,970	4,507
Handtool manufacturing	<1	7,673	12,461	31,582
Prefabricated metal buildings and components manufacturing	<1	23,479	30,205	93,299
Fabricated structural metal manufacturing	2	124,050	176,819	556,571
Plate work manufacturing	<1	41,544	45,869	138,902
Metal window and door manufacturing	<1	40,973	54,666	151,034
Sheet metal work manufacturing	1	74,792	97,756	259,041
Ornamental and architectural metal work manufacturing	<1	51,507	65,312	176,378
Power boiler and heat exchanger manufacturing	<1	105	148	558
Metal tank (heavy gauge) manufacturing	<1	9,533	11,939	34,766
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	7,849	9,874	48,832
Hardware manufacturing	<1	4,918	7,591	27,033
Spring and wire product manufacturing	<1	15,086	19,635	64,622
Machine shops	3	197,449	240,992	513,670
Turned product and screw, nut, and bolt manufacturing	<1	20,704	29,810	82,647
Metal heat treating	<1	6,621	9,516	28,178
Metal coating and nonprecious engraving	<1	34,005	58,548	161,761
Electroplating, anodizing, and coloring metal	<1	45,010	51,369	129,651
Valve and fittings, other than plumbing, manufacturing	<1	32,038	50,608	135,335
Plumbing fixture fitting and trim manufacturing	<1	26,971	72,397	217,165
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	11,710	25,170	76,211
Ammunition, except for small arms, manufacturing	<1	919	1,138	2,887
Small arms, ordnance, and accessories manufacturing	<1	21,403	39,655	104,077
Fabricated pipe and pipe fitting manufacturing	<1	9,050	11,015	30,483
Other fabricated metal manufacturing	1	82,038	107,877	317,211
Farm machinery and equipment manufacturing	<1	1,890	3,366	14,100

Appendix

Lawn and garden equipment manufacturing	<1	1,796	3,386	17,897
Construction machinery manufacturing	<1	874	2,159	7,431
Mining machinery and equipment manufacturing	<1	2,580	4,130	12,368
Oil and gas field machinery and equipment manufacturing	<1	658	1,111	3,445
Semiconductor machinery manufacturing	<1	247	292	1,169
Food product machinery manufacturing	<1	53	64	266
Sawmill, woodworking, and paper machinery	<1	648	748	2,659
Printing machinery and equipment manufacturing	<1	59	66	239
All other industrial machinery manufacturing	<1	1,477	1,944	6,224
Optical instrument and lens manufacturing	<1	46	65	227
Photographic and photocopying equipment manufacturing	<1	564	774	3,547
Other commercial service industry machinery manufacturing	<1	12,713	21,551	65,153
Air purification and ventilation equipment manufacturing	<1	4,829	6,885	20,344
Heating equipment (except warm air furnaces) manufacturing	<1	14,964	24,062	71,749
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	7,335	13,724	30,554
Industrial mold manufacturing	<1	6,492	7,736	19,096
Special tool, die, jig, and fixture manufacturing	<1	1,523	2,064	4,309
Cutting tool and machine tool accessory manufacturing	<1	7,238	8,288	19,905
Machine tool manufacturing	<1	208	274	1,232
Rolling mill and other metalworking machinery manufacturing	<1	82	100	207
Turbine and turbine generator set units manufacturing	<1	81	109	358
Speed changer, industrial high-speed drive, and gear manufacturing	<1	717	1,121	3,145
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	6,440	14,803	77,583

Appendix

Pump and pumping equipment manufacturing	<1	1,500	2,723	7,838
Air and gas compressor manufacturing	<1	46	94	312
Elevator and moving stairway manufacturing	<1	250	370	1,249
Conveyor and conveying equipment manufacturing	<1	527	601	1,664
Overhead cranes, hoists, and monorail systems manufacturing	<1	191	381	1,247
Industrial truck, trailer, and stacker manufacturing	<1	3,696	6,090	17,885
Power-driven handtool manufacturing	<1	142	372	794
Welding and soldering equipment manufacturing	<1	295	444	1,822
Packaging machinery manufacturing	<1	1,982	2,962	9,872
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	40,844	58,492	144,833
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1,827	2,287	6,302
Electronic computer manufacturing	<1	981	1,910	6,642
Computer storage device manufacturing	<1	81	184	716
Computer terminals and other computer peripheral equipment manufacturing	<1	2,489	3,904	11,186
Telephone apparatus manufacturing	<1	182	267	791
Broadcast and wireless communications equipment manufacturing	<1	646	954	2,995
Other communications equipment manufacturing	<1	325	503	1,906
Audio and video equipment manufacturing	<1	2,195	3,504	12,466
Printed circuit assembly (electronic assembly) manufacturing	<1	2,067	3,477	16,033
Bare printed circuit board manufacturing	<1	4,148	5,307	18,790
Semiconductor and related device manufacturing	<1	23,424	37,374	119,941

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	859	1,183	3,088
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	5,122	6,670	18,302
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,238	2,200	6,043
Search, detection, and navigation instruments manufacturing	<1	351	566	1,346
Automatic environmental control manufacturing	<1	8,701	11,187	24,331
Industrial process variable instruments manufacturing	<1	5,613	8,428	21,942
Totalizing fluid meter and counting device manufacturing	<1	333	659	1,569
Electricity and signal testing instruments manufacturing	<1	2,856	4,287	11,726
Analytical laboratory instrument manufacturing	<1	4,017	6,497	14,748
Irradiation apparatus manufacturing	<1	1,368	2,520	6,630
Watch, clock, and other measuring and controlling device manufacturing	<1	1,830	3,131	8,198
Blank magnetic and optical recording media manufacturing	<1	3,190	8,890	39,502
Software and other prerecorded and record reproducing	<1	15,019	21,072	51,548
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	2,096	3,028	10,520
Small electrical appliance manufacturing	<1	3,774	8,646	32,696
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	45	68	190
Motor and generator manufacturing	<1	3,124	5,262	11,813
Switchgear and switchboard apparatus manufacturing	<1	1,041	1,798	4,822

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Relay and industrial control manufacturing	<1	2,716	3,803	10,308
Storage battery manufacturing	<1	9,803	13,527	36,752
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	783	1,199	5,029
Wiring device manufacturing	<1	1,488	2,865	7,988
Carbon and graphite product manufacturing	2	166,195	289,314	853,094
All other miscellaneous electrical equipment and component manufacturing	<1	724	842	2,430
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	258	1,566	3,865
Motor vehicle body manufacturing	<1	52	114	360
Truck trailer manufacturing	<1	747	1,448	4,442
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	52,280	68,729	274,918
Motor vehicle gasoline engine and engine parts manufacturing	<1	717	1,882	9,565
Motor vehicle electrical and electronic equipment manufacturing	<1	7,828	14,936	47,725
Motor vehicle transmission and power train parts manufacturing	<1	8,090	21,289	56,720
Motor vehicle seating and interior trim manufacturing	<1	323	551	3,022
Motor vehicle metal stamping	<1	26,391	47,265	120,907
Other motor vehicle parts manufacturing	4	333,871	693,758	2,272,270
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	18,614	55,659	138,055
Aircraft manufacturing	<1	169	402	1,477
Aircraft engine and engine parts manufacturing	<1	45,323	86,754	249,356
Other aircraft parts and auxiliary equipment manufacturing	<1	22,359	31,533	74,750
Guided missile and space vehicle manufacturing	<1	8,256	13,087	34,997
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	12,337	17,849	44,232

Appendix

Railroad rolling stock manufacturing	<1	260	326	1,902
Ship building and repairing	<1	547	698	1,858
Boat building	<1	4,023	5,585	23,820
Motorcycle, bicycle, and parts manufacturing	<1	8,455	29,641	86,503
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	2,185	4,385	16,495
Wood kitchen cabinet and countertop manufacturing	2	84,889	176,771	332,156
Upholstered household furniture manufacturing	<1	18,726	25,580	90,676
Nonupholstered wood household furniture manufacturing	<1	17,898	28,748	70,150
Other household nonupholstered furniture manufacturing	<1	3,167	8,383	23,864
Institutional furniture manufacturing	<1	917	1,164	3,089
Wood office furniture manufacturing	<1	31	69	185
Custom architectural woodwork and millwork	<1	2,822	2,769	7,407
Office furniture, except wood, manufacturing	<1	769	2,349	4,911
Showcase, partition, shelving, and locker manufacturing	<1	3,651	8,425	17,398
Mattress manufacturing	<1	16,898	58,242	130,581
Blind and shade manufacturing	<1	9,369	10,720	41,118
Surgical and medical instrument manufacturing	1	96,609	187,802	397,757
Surgical appliance and supplies manufacturing	<1	22,411	47,819	103,143
Dental equipment and supplies manufacturing	<1	9,241	16,080	35,564
Ophthalmic goods manufacturing	<1	3,592	7,614	14,246
Dental laboratories	<1	22,534	23,408	41,005
Jewelry and silverware manufacturing	<1	52,020	79,811	194,373
Sporting and athletic goods manufacturing	2	105,828	153,944	433,842
Doll, toy, and game manufacturing	<1	1,306	2,385	8,588
Office supplies (except paper) manufacturing	<1	17,988	27,526	83,050
Sign manufacturing	<1	34,944	32,448	78,877
Gasket, packing, and sealing device manufacturing	<1	28,470	36,242	80,592

Appendix

Musical instrument manufacturing	<1	3,595	4,116	12,488
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	6,471	12,702	26,642
Burial casket manufacturing	<1	3,372	4,368	8,761
All other miscellaneous manufacturing	<1	45,381	63,072	164,790
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	286,883	564,468	1,259,673
Wholesale - Professional and commercial equipment and supplies	9	1,061,482	1,617,033	2,745,284
Wholesale - Household appliances and electrical and electronic goods	4	442,768	876,965	1,907,759
Wholesale - Machinery, equipment, and supplies	7	640,549	1,064,987	1,866,931
Wholesale - Other durable goods merchant wholesalers	13	1,051,907	1,650,692	3,234,995
Wholesale - Drugs and druggists' sundries	5	715,615	1,661,154	3,509,457
Wholesale - Grocery and related product wholesalers	10	772,067	975,530	1,936,580
Wholesale - Petroleum and petroleum products	<1	92,356	1,331,498	1,506,409
Wholesale - Other nondurable goods merchant wholesalers	13	968,763	1,983,986	3,799,178
Wholesale - Wholesale electronic markets and agents and brokers	6	705,001	726,615	846,359
Retail - Motor vehicle and parts dealers	15	964,321	1,338,862	1,987,331
Retail - Furniture and home furnishings stores	11	489,306	631,317	1,014,578
Retail - Electronics and appliance stores	10	606,755	457,795	831,325
Retail - Building material and garden equipment and supplies stores	12	506,718	792,632	1,225,325
Retail - Food and beverage stores	38	1,242,340	1,557,149	2,649,773
Retail - Health and personal care stores	18	1,127,295	1,260,443	1,793,653
Retail - Gasoline stores	12	466,192	691,381	1,293,628
Retail - Clothing and clothing accessories stores	22	711,536	980,586	2,020,776
Retail - Sporting goods, hobby, musical instrument and book stores	14	378,603	495,334	820,190
Retail - General merchandise stores	44	1,390,168	1,913,642	3,190,870

Appendix

Retail - Miscellaneous store retailers	25	775,042	838,596	1,347,147
Retail - Nonstore retailers	33	1,463,281	3,555,735	6,215,889
Air transportation	10	1,244,356	2,759,020	4,495,847
Rail transportation	2	212,268	542,719	1,012,136
Water transportation	<1	24,672	13,000	202,720
Truck transportation	29	1,835,692	2,283,303	4,502,349
Transit and ground passenger transportation	30	346,625	844,866	1,136,024
Pipeline transportation	<1	172,873	202,313	255,308
Scenic and sightseeing transportation and support activities for transportation	24	2,498,993	2,627,232	4,447,179
Couriers and messengers	20	851,309	1,066,733	1,793,073
Warehousing and storage	21	908,273	998,375	1,906,263
Newspaper publishers	2	131,367	216,882	268,143
Periodical publishers	<1	71,694	111,084	166,875
Book publishers	<1	68,761	199,324	361,484
Directory, mailing list, and other publishers	<1	50,739	137,612	202,020
Greeting card publishing	<1	12,509	34,630	47,141
Software publishers	16	2,534,978	5,585,756	6,112,709
Motion picture and video industries	11	673,698	1,157,390	2,841,227
Sound recording industries	<1	24,135	114,720	248,958
Radio and television broadcasting	4	784,861	973,783	2,087,195
Cable and other subscription programming	2	323,754	1,550,352	3,055,610
Wired telecommunications carriers	7	750,055	1,898,209	3,510,701
Wireless telecommunications carriers (except satellite)	<1	77,687	646,886	1,542,524
Satellite, telecommunications resellers, and all other telecommunications	3	365,510	568,383	1,302,615
Data processing, hosting, and related services	12	1,202,885	2,125,287	5,895,259
News syndicates, libraries, archives and all other information services	3	215,536	349,826	668,376
Internet publishing and broadcasting and web search portals	9	2,075,294	4,129,534	10,974,621
Nondepository credit intermediation and related activities	19	1,925,592	3,109,830	4,691,341
Securities and commodity contracts intermediation and brokerage	39	1,648,043	1,264,577	4,187,354

Appendix

Monetary authorities and depository credit intermediation	39	3,304,905	19,806,125	25,162,733
Other financial investment activities	37	1,495,843	1,707,241	6,962,909
Direct life insurance carriers	3	234,786	503,560	730,309
Insurance carriers, except direct life	17	1,305,245	4,879,642	10,069,137
Insurance agencies, brokerages, and related activities	25	1,801,892	3,110,805	7,238,915
Funds, trusts, and other financial vehicles	11	496,384	716,901	3,435,910
Other real estate	338	9,213,629	23,630,307	63,665,769
Tenant-occupied housing	15	417,163	6,261,025	6,940,606
Owner-occupied dwellings	0	0	17,930,481	22,761,956
Automotive equipment rental and leasing	3	415,602	957,031	1,200,474
General and consumer goods rental except video tapes and discs	5	495,506	567,418	841,652
Video tape and disc rental	2	75,231	121,525	196,943
Commercial and industrial machinery and equipment rental and leasing	4	666,206	1,524,267	1,929,307
Lessors of nonfinancial intangible assets	1	52,412	2,552,959	2,826,351
Legal services	77	6,436,541	8,442,431	12,876,761
Accounting, tax preparation, bookkeeping, and payroll services	35	2,160,488	2,760,500	4,351,971
Architectural, engineering, and related services	48	3,460,961	3,780,633	7,015,619
Specialized design services	4	256,796	388,010	620,009
Custom computer programming services	17	1,545,937	1,584,628	2,258,530
Computer systems design services	11	975,612	946,381	1,230,245
Other computer related services, including facilities management	11	974,623	1,598,074	2,831,790
Management consulting services	104	8,177,133	8,474,118	14,192,710
Environmental and other technical consulting services	11	883,096	925,151	1,411,363
Scientific research and development services	1,594	126,916,029	168,623,860	342,537,869
Advertising, public relations, and related services	22	1,467,758	1,885,804	3,617,648
Photographic services	2	74,401	171,046	347,090
Veterinary services	4	195,663	236,768	386,660
Marketing research and all other miscellaneous professional, scientific, and technical services	32	3,307,121	5,593,925	9,098,423

Appendix

Management of companies and enterprises	122	9,701,188	11,194,560	22,532,711
Office administrative services	37	2,844,831	1,267,334	2,717,857
Facilities support services	1	70,800	107,132	218,618
Employment services	136	6,312,678	9,532,802	13,428,558
Business support services	33	1,668,385	1,404,936	2,378,763
Travel arrangement and reservation services	12	537,263	708,694	1,779,495
Investigation and security services	16	754,947	735,691	1,016,956
Services to buildings	37	1,155,364	1,614,573	2,954,636
Landscape and horticultural services	24	979,556	1,197,575	2,087,723
Other support services	9	453,018	585,995	1,065,644
Waste management and remediation services	7	481,885	834,488	1,599,725
Elementary and secondary schools	22	922,306	777,220	935,066
Junior colleges, colleges, universities, and professional schools	29	1,191,340	1,622,929	2,237,955
Other educational services	12	582,498	654,156	1,156,060
Offices of physicians	47	4,281,019	4,488,664	6,640,095
Offices of dentists	17	819,165	1,041,658	1,656,875
Offices of other health practitioners	15	646,648	954,925	1,374,721
Outpatient care centers	8	459,505	418,428	795,308
Medical and diagnostic laboratories	5	346,538	508,124	743,894
Home health care services	20	900,396	858,392	1,117,337
Other ambulatory health care services	5	259,422	290,930	490,929
Hospitals	78	6,203,255	7,228,985	14,179,580
Nursing and community care facilities	25	936,155	1,083,292	1,952,344
Residential mental retardation, mental health, substance abuse and other facilities	13	555,026	612,019	943,977
Individual and family services	44	1,174,405	1,049,070	1,616,297
Child day care services	16	385,470	594,141	821,501
Community food, housing, and other relief services, including rehabilitation services	10	328,545	325,220	740,062
Performing arts companies	8	200,693	310,138	560,080
Commercial Sports Except Racing	23	770,077	564,985	993,277
Racing and Track Operation	<1	29,256	47,925	76,866
Independent artists, writers, and performers	8	250,098	908,488	1,255,821

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Promoters of performing arts and sports and agents for public figures	11	251,047	510,441	1,018,486
Museums, historical sites, zoos, and parks	2	85,197	110,908	211,948
Amusement parks and arcades	3	70,845	290,439	367,052
Gambling industries (except casino hotels)	8	248,990	501,329	906,799
Other amusement and recreation industries	15	403,843	531,455	928,178
Fitness and recreational sports centers	10	159,197	299,196	538,308
Bowling centers	2	35,459	73,936	127,909
Hotels and motels, including casino hotels	10	314,188	662,093	1,043,045
Other accommodations	3	92,202	132,092	184,676
Full-service restaurants	76	1,826,979	2,712,689	4,800,151
Limited-service restaurants	77	1,570,381	2,582,172	5,716,916
All other food and drinking places	58	1,585,104	2,431,028	3,729,256
Automotive repair and maintenance, except car washes	32	1,754,959	2,066,593	3,027,070
Car washes	17	911,158	1,271,345	1,975,202
Electronic and precision equipment repair and maintenance	8	553,050	705,501	1,138,159
Commercial and industrial machinery and equipment repair and maintenance	11	871,363	913,784	1,319,022
Personal and household goods repair and maintenance	5	238,789	493,308	690,460
Personal care services	25	590,210	574,193	799,227
Death care services	5	146,454	117,055	168,685
Dry-cleaning and laundry services	13	340,663	262,666	361,438
Other personal services	19	531,795	705,082	1,041,970
Religious organizations	20	1,768,310	1,303,054	2,595,809
Grantmaking, giving, and social advocacy organizations	4	256,724	1,048,748	1,480,272
Business and professional associations	3	322,504	645,457	929,232
Labor and civic organizations	5	160,968	570,882	886,546
Private households	17	202,883	202,883	202,883
Postal service	10	834,638	834,959	891,703
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	47,501	64,285	219,756
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	3	110,340	110,324	456,430
Local government passenger transit	8	650,102	-50,253	652,535
Local government electric utilities	<1	83,157	243,539	433,037
Other local government enterprises	8	795,080	1,758,219	3,077,460
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	816,774	942,879	2,157,051

Investments in Climate Change Research and Technology

Table 759: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Utah

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>177</i>	<i>10,116,174</i>	<i>14,719,119</i>	<i>27,655,126</i>
Oilseed farming	<1	18	441	608
Grain farming	<1	520	1,252	6,877
Vegetable and melon farming	<1	573	1,501	2,617
Fruit farming	<1	596	1,763	2,222
Tree nut farming	<1	11	33	39
Greenhouse, nursery, and floriculture production	<1	2,473	4,254	7,514
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,835	4,676	8,951
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	590	7,261	28,923

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Dairy cattle and milk production	<1	577	2,260	13,536
Poultry and egg production	<1	634	1,074	11,091
Animal production, except cattle and poultry and eggs	<1	4,694	28,021	36,638
Forestry, forest products, and timber tract production	<1	260	294	379
Commercial logging	<1	605	665	1,110
Commercial fishing	<1	1,188	3,128	3,953
Commercial hunting and trapping	<1	66	210	241
Support activities for agriculture and forestry	<1	6,868	5,986	8,675
Oil and gas extraction	<1	9,990	31,891	86,169
Coal mining	<1	10,093	49,091	79,108
Copper, nickel, lead, and zinc mining	<1	17,188	80,017	137,656
Iron ore mining	<1	170	485	2,075
Gold ore mining	<1	72	204	419
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	499	1,504	2,869
Other metal ore mining	<1	217	512	924
Stone mining and quarrying	<1	98	822	1,426
Sand and gravel mining	<1	718	2,690	4,862
Other clay, ceramic, refractory minerals mining	<1	126	481	855
Potash, soda, and borate mineral mining	<1	165	395	637
Phosphate rock mining	<1	82	180	327
Other chemical and fertilizer mineral mining	<1	148	665	1,282
Other nonmetallic minerals	<1	104	382	670
Drilling oil and gas wells	<1	6	13	32
Support activities for oil and gas operations	<1	133	194	440
Metal mining services	<1	2,692	5,609	15,085
Other nonmetallic minerals services	<1	18	47	134
Electric power generation - Hydroelectric	<1	111	330	750
Electric power generation - Fossil fuel	<1	11,600	42,253	112,852
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	2,353	7,807	14,011
Electric power generation - Wind	<1	29	219	419
Electric power generation - Geothermal	<1	180	409	846

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	<1	87	65	158
Electric power transmission and distribution	<1	21,743	71,551	182,843
Natural gas distribution	<1	13,069	34,141	68,894
Water, sewage and other systems	<1	2,756	5,444	10,969
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	35,040	63,621	132,049
Maintenance and repair construction of residential structures	<1	11,356	19,342	41,025
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	20	36	75
Dog and cat food manufacturing	<1	2,068	5,380	21,968
Other animal food manufacturing	<1	2,075	3,231	27,304
Flour milling	<1	1,557	2,755	16,701
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	164	299	2,586
Breakfast cereal manufacturing	<1	1,868	4,008	13,117
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	936	1,370	6,252
Chocolate and confectionery manufacturing from cacao beans	<1	23	34	367
Confectionery manufacturing from purchased chocolate	<1	299	409	3,481
Frozen fruits, juices and vegetables manufacturing	<1	293	524	2,206
Frozen specialties manufacturing	<1	3,848	5,174	20,556
Canned fruits and vegetables manufacturing	<1	120	224	1,264
Canned specialties	<1	160	368	2,385
Dehydrated food products manufacturing	<1	1	2	25
Cheese manufacturing	<1	3,325	4,634	43,735
Dry, condensed, and evaporated dairy product manufacturing	<1	663	1,447	12,391
Fluid milk manufacturing	<1	2,211	3,298	21,586
Creamery butter manufacturing	<1	170	729	6,272
Ice cream and frozen dessert manufacturing	<1	1,014	1,334	6,268
Frozen cakes and other pastries manufacturing	<1	1,728	2,268	4,618
Poultry processing	<1	4,939	5,883	28,610
Animal, except poultry, slaughtering	<1	6,102	7,453	56,370
Meat processed from carcasses	<1	5,221	4,996	36,761
Rendering and meat byproduct processing	<1	144	153	870
Seafood product preparation and packaging	<1	152	185	1,093
Bread and bakery product, except frozen, manufacturing	<1	6,757	9,070	26,012
Cookie and cracker manufacturing	<1	4,306	5,843	23,292
Dry pasta, mixes, and dough manufacturing	<1	383	764	2,111
Tortilla manufacturing	<1	125	153	622
Roasted nuts and peanut butter manufacturing	<1	584	971	4,180
Other snack food manufacturing	<1	2,045	4,243	17,731
Coffee and tea manufacturing	<1	132	226	1,420
Flavoring syrup and concentrate manufacturing	<1	32	210	857
Mayonnaise, dressing, and sauce manufacturing	<1	360	652	3,091
Spice and extract manufacturing	<1	703	1,073	4,691
All other food manufacturing	<1	1,268	1,781	9,006

Appendix

Bottled and canned soft drinks & water	<1	3,452	5,065	22,046
Manufactured ice	<1	200	121	631
Breweries	<1	1,695	3,599	11,557
Wineries	<1	175	265	989
Distilleries	<1	462	1,851	4,150
Tobacco product manufacturing	<1	12	267	444
Fiber, yarn, and thread mills	<1	37	64	419
Broadwoven fabric mills	<1	31	61	158
Narrow fabric mills and schiffli machine embroidery	<1	13	15	68
Nonwoven fabric mills	<1	48	119	510
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	135	207	975
Fabric coating mills	<1	41	68	261
Carpet and rug mills	<1	232	505	2,955
Curtain and linen mills	<1	74	110	428
Textile bag and canvas mills	<1	404	539	1,587
Rope, cordage, twine, tire cord and tire fabric mills	<1	273	507	1,567
Other textile product mills	<1	183	248	835
Hosiery and sock mills	<1	29	36	131
Other apparel knitting mills	<1	37	48	164
Cut and sew apparel contractors	<1	55	62	223
Mens and boys cut and sew apparel manufacturing	<1	83	110	415
Womens and girls cut and sew apparel manufacturing	<1	21	30	238
Other cut and sew apparel manufacturing	<1	59	78	407
Apparel accessories and other apparel manufacturing	<1	142	178	819
Leather and hide tanning and finishing	<1	4	5	29
Footwear manufacturing	<1	24	25	83
Other leather and allied product manufacturing	<1	44	46	134
Sawmills	<1	227	274	1,732
Wood preservation	<1	102	166	1,019
Veneer and plywood manufacturing	<1	145	178	830
Engineered wood member and truss manufacturing	<1	775	899	3,636
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	1,976	2,266	9,034

Appendix

Cut stock, resawing lumber, and planing	<1	19	24	151
Other millwork, including flooring	<1	915	1,101	4,727
Wood container and pallet manufacturing	<1	1,669	1,872	6,651
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	151	170	622
All other miscellaneous wood product manufacturing	<1	416	482	2,487
Pulp mills	<1	1,497	3,131	10,357
Paper mills	<1	4,743	16,614	42,658
Paperboard mills	0	0	0	0
Paperboard container manufacturing	<1	6,180	12,044	40,446
Paper bag and coated and treated paper manufacturing	<1	3,140	8,037	25,038
Stationery product manufacturing	<1	504	963	3,825
Sanitary paper product manufacturing	<1	4,553	20,999	47,762
All other converted paper product manufacturing	<1	194	357	1,013
Printing	<1	18,147	31,084	63,941
Support activities for printing	<1	1,266	2,066	3,336
Petroleum refineries	<1	15,012	67,993	400,072
Asphalt paving mixture and block manufacturing	<1	338	464	2,541
Asphalt shingle and coating materials manufacturing	<1	363	963	3,025
Petroleum lubricating oil and grease manufacturing	<1	273	711	2,191
All other petroleum and coal products manufacturing	<1	29	95	430
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4,562	5,439	28,083
Synthetic dye and pigment manufacturing	<1	300	350	1,814
Other basic inorganic chemical manufacturing	<1	3,157	3,778	20,558
Other basic organic chemical manufacturing	<1	100	124	1,372
Plastics material and resin manufacturing	<1	234	268	3,885
Synthetic rubber manufacturing	<1	124	141	1,617
Artificial and synthetic fibers and filaments manufacturing	<1	6	7	58

Appendix

Nitrogenous fertilizer manufacturing	<1	177	234	1,760
Phosphatic fertilizer manufacturing	<1	41	51	280
Fertilizer mixing	<1	12	14	78
Pesticide and other agricultural chemical manufacturing	<1	233	345	1,757
Medicinal and botanical manufacturing	<1	699	710	3,864
Pharmaceutical preparation manufacturing	<1	3,824	5,932	41,937
In-vitro diagnostic substance manufacturing	<1	19	20	73
Biological product (except diagnostic) manufacturing	<1	11	13	42
Paint and coating manufacturing	<1	1,891	2,188	14,865
Adhesive manufacturing	<1	266	283	1,821
Soap and other detergent manufacturing	<1	3,686	5,464	41,781
Polish and other sanitation good manufacturing	<1	434	475	2,721
Surface active agent manufacturing	<1	583	883	4,428
Toilet preparation manufacturing	<1	606	858	4,350
Printing ink manufacturing	<1	146	149	710
Explosives manufacturing	<1	16	16	42
Custom compounding of purchased resins	<1	69	77	554
Photographic film and chemical manufacturing	<1	165	216	1,839
Other miscellaneous chemical product manufacturing	<1	456	504	3,160
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	3,076	5,108	21,101
Unlaminated plastics profile shape manufacturing	<1	461	1,016	3,408
Plastics pipe and pipe fitting manufacturing	<1	665	1,822	6,029
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	11,265	21,322	64,596
Polystyrene foam product manufacturing	<1	1,183	2,023	8,594
Urethane and other foam product (except polystyrene) manufacturing	<1	295	480	2,052
Plastics bottle manufacturing	<1	526	847	4,432
Other plastics product manufacturing	<1	11,191	16,230	57,964

Appendix

Tire manufacturing	<1	1,521	2,366	11,407
Rubber and plastics hoses and belting manufacturing	<1	1,032	1,549	5,643
Other rubber product manufacturing	<1	3,900	5,491	16,000
Pottery, ceramics, and plumbing fixture manufacturing	<1	67	97	285
Brick, tile, and other structural clay product manufacturing	<1	350	594	1,285
Flat glass manufacturing	<1	133	276	750
Other pressed and blown glass and glassware manufacturing	<1	239	418	1,106
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	928	1,578	4,164
Cement manufacturing	<1	515	1,225	3,135
Ready-mix concrete manufacturing	<1	2,153	3,607	11,131
Concrete block and brick manufacturing	<1	187	340	963
Concrete pipe manufacturing	<1	88	147	351
Other concrete product manufacturing	<1	1,041	1,460	3,471
Lime manufacturing	<1	379	854	2,321
Gypsum product manufacturing	<1	416	1,120	2,972
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	702	830	1,851
Ground or treated mineral and earth manufacturing	<1	807	2,137	4,746
Mineral wool manufacturing	<1	158	363	964
Miscellaneous nonmetallic mineral products manufacturing	<1	244	703	1,673
Iron and steel mills and ferroalloy manufacturing	<1	3,445	8,064	30,532
Iron, steel pipe and tube manufacturing from purchased steel	<1	426	925	4,183
Rolled steel shape manufacturing	<1	210	576	2,110
Steel wire drawing	<1	448	841	3,463
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	<1	525	883	4,149

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	2,123	13,515	35,418
Copper rolling, drawing, extruding and alloying	<1	152	266	1,860
Nonferrous metal, except copper and aluminum, shaping	<1	1,836	2,418	8,322
Secondary processing of other nonferrous metals	<1	21	57	244
Ferrous metal foundries	<1	1,777	3,321	7,976
Nonferrous metal foundries	<1	778	1,270	3,683
Custom roll forming	<1	31	54	300
Crown and closure manufacturing and metal stamping	<1	467	594	1,957
Iron and steel forging	<1	837	1,374	6,290
Nonferrous forging	<1	31	46	207
Cutlery, utensil, pot, and pan manufacturing	<1	38	96	230
Handtool manufacturing	<1	234	395	1,044
Prefabricated metal buildings and components manufacturing	<1	451	652	1,885
Fabricated structural metal manufacturing	<1	3,120	4,621	14,620
Plate work manufacturing	<1	2,386	2,624	8,080
Metal window and door manufacturing	<1	846	1,156	3,270
Sheet metal work manufacturing	<1	1,927	2,558	7,000
Ornamental and architectural metal work manufacturing	<1	1,195	1,558	4,359
Power boiler and heat exchanger manufacturing	<1	4	5	20
Metal tank (heavy gauge) manufacturing	<1	244	312	942
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	<1	252	318	1,668
Hardware manufacturing	<1	141	223	811
Spring and wire product manufacturing	<1	213	293	948
Machine shops	<1	8,770	10,803	23,863
Turned product and screw, nut, and bolt manufacturing	<1	1,784	2,622	7,469
Metal heat treating	<1	1,042	1,517	4,461
Metal coating and nonprecious engraving	<1	5,739	10,069	27,555
Electroplating, anodizing, and coloring metal	<1	4,911	5,635	14,274
Valve and fittings, other than plumbing, manufacturing	<1	3,893	6,138	16,541

Appendix

Plumbing fixture fitting and trim manufacturing	<1	481	1,305	4,038
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	395	823	2,730
Ammunition, except for small arms, manufacturing	<1	53	66	169
Small arms, ordnance, and accessories manufacturing	<1	589	1,096	3,163
Fabricated pipe and pipe fitting manufacturing	<1	356	445	1,197
Other fabricated metal manufacturing	<1	2,212	2,935	8,899
Farm machinery and equipment manufacturing	<1	33	60	243
Lawn and garden equipment manufacturing	<1	28	48	290
Construction machinery manufacturing	<1	37	81	315
Mining machinery and equipment manufacturing	<1	187	297	900
Oil and gas field machinery and equipment manufacturing	<1	52	86	247
Semiconductor machinery manufacturing	<1	2	2	10
Food product machinery manufacturing	<1	2	2	10
Sawmill, woodworking, and paper machinery	<1	12	14	52
Printing machinery and equipment manufacturing	<1	1	2	6
All other industrial machinery manufacturing	<1	81	103	338
Optical instrument and lens manufacturing	<1	1	2	6
Photographic and photocopying equipment manufacturing	<1	8	11	54
Other commercial service industry machinery manufacturing	<1	1,254	1,995	6,111
Air purification and ventilation equipment manufacturing	<1	269	353	1,082
Heating equipment (except warm air furnaces) manufacturing	<1	513	771	2,639
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,005	1,762	4,275
Industrial mold manufacturing	<1	134	156	404
Special tool, die, jig, and fixture manufacturing	<1	52	67	148

Appendix

Cutting tool and machine tool accessory manufacturing	<1	909	1,026	2,517
Machine tool manufacturing	<1	11	14	64
Rolling mill and other metalworking machinery manufacturing	<1	3	4	8
Turbine and turbine generator set units manufacturing	<1	2	2	8
Speed changer, industrial high-speed drive, and gear manufacturing	<1	894	1,308	4,254
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	<1	1,596	3,129	22,534
Pump and pumping equipment manufacturing	<1	311	534	1,628
Air and gas compressor manufacturing	<1	4	6	20
Elevator and moving stairway manufacturing	<1	17	23	80
Conveyor and conveying equipment manufacturing	<1	19	21	62
Overhead cranes, hoists, and monorail systems manufacturing	<1	8	15	51
Industrial truck, trailer, and stacker manufacturing	<1	150	236	735
Power-driven handtool manufacturing	<1	2	4	11
Welding and soldering equipment manufacturing	<1	720	1,040	5,079
Packaging machinery manufacturing	<1	82	118	412
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	3,837	5,336	12,997
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	196	238	702
Electronic computer manufacturing	<1	20	39	144
Computer storage device manufacturing	<1	1	3	10
Computer terminals and other computer peripheral equipment manufacturing	<1	60	97	280
Telephone apparatus manufacturing	<1	12	19	51

Appendix

Broadcast and wireless communications equipment manufacturing	<1	9	14	45
Other communications equipment manufacturing	<1	7	12	41
Audio and video equipment manufacturing	<1	38	61	226
Printed circuit assembly (electronic assembly) manufacturing	<1	43	77	350
Bare printed circuit board manufacturing	<1	82	108	342
Semiconductor and related device manufacturing	<1	492	853	2,999
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	18	24	66
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	132	177	482
Electromedical and electrotherapeutic apparatus manufacturing	<1	26	47	132
Search, detection, and navigation instruments manufacturing	<1	5	8	21
Automatic environmental control manufacturing	<1	633	825	1,817
Industrial process variable instruments manufacturing	<1	463	708	1,849
Totalizing fluid meter and counting device manufacturing	<1	15	33	76
Electricity and signal testing instruments manufacturing	<1	47	72	200
Analytical laboratory instrument manufacturing	<1	6	9	22
Irradiation apparatus manufacturing	<1	26	48	129
Watch, clock, and other measuring and controlling device manufacturing	<1	31	54	145
Blank magnetic and optical recording media manufacturing	<1	21	59	320
Software and other prerecorded and record reproducing	<1	291	411	1,200
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	23	33	119
Small electrical appliance manufacturing	<1	89	189	818

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	1	2	5
Motor and generator manufacturing	<1	452	738	1,677
Switchgear and switchboard apparatus manufacturing	<1	35	57	166
Relay and industrial control manufacturing	<1	199	271	770
Storage battery manufacturing	<1	187	264	751
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	19	28	124
Wiring device manufacturing	<1	34	62	190
Carbon and graphite product manufacturing	<1	3,045	4,976	14,757
All other miscellaneous electrical equipment and component manufacturing	<1	30	34	97
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	13	86	209
Motor vehicle body manufacturing	<1	3	6	17
Truck trailer manufacturing	<1	43	99	283
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	2,556	3,463	13,570
Motor vehicle gasoline engine and engine parts manufacturing	<1	23	67	317
Motor vehicle electrical and electronic equipment manufacturing	<1	337	723	2,576
Motor vehicle transmission and power train parts manufacturing	<1	131	365	1,166
Motor vehicle seating and interior trim manufacturing	<1	17	31	167
Motor vehicle metal stamping	<1	965	1,815	4,828
Other motor vehicle parts manufacturing	<1	12,787	32,493	89,218

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	515	1,626	4,129
Aircraft manufacturing	<1	9	22	77
Aircraft engine and engine parts manufacturing	<1	65	137	418
Other aircraft parts and auxiliary equipment manufacturing	<1	124	186	457
Guided missile and space vehicle manufacturing	<1	105	169	463
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	99	144	380
Railroad rolling stock manufacturing	<1	9	11	71
Ship building and repairing	<1	13	17	45
Boat building	<1	204	281	1,234
Motorcycle, bicycle, and parts manufacturing	<1	179	618	1,877
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	64	121	486
Wood kitchen cabinet and countertop manufacturing	<1	2,792	6,482	11,997
Upholstered household furniture manufacturing	<1	427	582	2,080
Nonupholstered wood household furniture manufacturing	<1	556	923	2,280
Other household nonupholstered furniture manufacturing	<1	86	231	696
Institutional furniture manufacturing	<1	37	47	129
Wood office furniture manufacturing	<1	<1	2	6
Custom architectural woodwork and millwork	<1	63	63	178
Office furniture, except wood, manufacturing	<1	18	61	119
Showcase, partition, shelving, and locker manufacturing	<1	95	245	502
Mattress manufacturing	<1	570	2,024	4,639
Blind and shade manufacturing	<1	332	384	1,464
Surgical and medical instrument manufacturing	<1	2,351	4,471	10,456
Surgical appliance and supplies manufacturing	<1	510	1,032	2,434
Dental equipment and supplies manufacturing	<1	225	390	908

Appendix

Ophthalmic goods manufacturing	<1	112	223	445
Dental laboratories	<1	571	591	1,049
Jewelry and silverware manufacturing	<1	1,905	2,845	7,098
Sporting and athletic goods manufacturing	<1	3,340	4,783	14,799
Doll, toy, and game manufacturing	<1	32	54	210
Office supplies (except paper) manufacturing	<1	572	851	2,917
Sign manufacturing	<1	1,321	1,166	2,939
Gasket, packing, and sealing device manufacturing	<1	1,754	2,196	5,111
Musical instrument manufacturing	<1	122	133	423
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	<1	145	214	601
Burial casket manufacturing	<1	233	289	656
All other miscellaneous manufacturing	<1	1,679	2,264	6,375
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	10,330	20,507	45,541
Wholesale - Professional and commercial equipment and supplies	<1	38,678	59,230	102,037
Wholesale - Household appliances and electrical and electronic goods	<1	17,451	35,661	78,152
Wholesale - Machinery, equipment, and supplies	<1	66,627	113,288	197,756
Wholesale - Other durable goods merchant wholesalers	<1	42,932	67,791	133,561
Wholesale - Drugs and druggists' sundries	<1	22,205	53,151	114,438
Wholesale - Grocery and related product wholesalers	<1	28,188	35,991	72,086
Wholesale - Petroleum and petroleum products	<1	4,477	44,490	51,996
Wholesale - Other nondurable goods merchant wholesalers	<1	32,923	64,247	127,523
Wholesale - Wholesale electronic markets and agents and brokers	<1	27,720	28,572	33,460
Retail - Motor vehicle and parts dealers	<1	33,972	47,114	70,668
Retail - Furniture and home furnishings stores	<1	16,984	21,904	35,955
Retail - Electronics and appliance stores	<1	21,634	15,954	29,846

Appendix

Retail - Building material and garden equipment and supplies stores	<1	20,939	32,805	51,104
Retail - Food and beverage stores	1	39,343	49,961	87,236
Retail - Health and personal care stores	<1	40,345	44,898	64,299
Retail - Gasoline stores	<1	15,718	24,866	49,424
Retail - Clothing and clothing accessories stores	<1	23,581	33,132	71,271
Retail - Sporting goods, hobby, musical instrument and book stores	<1	13,233	17,339	29,565
Retail - General merchandise stores	2	53,584	73,138	122,607
Retail - Miscellaneous store retailers	<1	25,647	28,062	47,234
Retail - Nonstore retailers	1	49,501	113,407	205,457
Air transportation	<1	38,643	80,226	135,828
Rail transportation	<1	6,996	21,562	36,975
Water transportation	<1	466	242	4,031
Truck transportation	1	68,462	87,059	175,940
Transit and ground passenger transportation	<1	6,468	15,390	22,703
Pipeline transportation	<1	12,202	10,665	13,408
Scenic and sightseeing transportation and support activities for transportation	<1	59,277	62,066	103,969
Couriers and messengers	<1	27,703	34,446	58,786
Warehousing and storage	<1	33,603	36,898	71,899
Newspaper publishers	<1	3,942	6,409	8,111
Periodical publishers	<1	1,399	2,131	3,464
Book publishers	<1	2,011	5,773	10,757
Directory, mailing list, and other publishers	<1	1,771	4,525	6,720
Greeting card publishing	<1	306	779	1,131
Software publishers	<1	72,917	156,301	173,088
Motion picture and video industries	<1	15,791	26,491	80,637
Sound recording industries	<1	631	2,724	6,641
Radio and television broadcasting	<1	13,348	18,055	56,099
Cable and other subscription programming	<1	3,333	24,955	63,194
Wired telecommunications carriers	<1	24,429	63,980	121,763
Wireless telecommunications carriers (except satellite)	<1	2,303	18,186	45,693

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	10,360	17,053	42,572
Data processing, hosting, and related services	<1	26,944	47,991	157,131
News syndicates, libraries, archives and all other information services	<1	4,572	7,134	15,118
Internet publishing and broadcasting and web search portals	<1	36,247	73,205	298,386
Nondepository credit intermediation and related activities	<1	58,657	92,714	149,940
Securities and commodity contracts intermediation and brokerage	2	45,916	36,643	145,333
Monetary authorities and depository credit intermediation	1	110,037	609,821	820,619
Other financial investment activities	1	33,639	39,961	199,634
Direct life insurance carriers	<1	9,331	18,911	29,225
Insurance carriers, except direct life	<1	43,392	148,986	336,515
Insurance agencies, brokerages, and related activities	<1	63,691	107,118	261,348
Funds, trusts, and other financial vehicles	<1	14,806	20,637	118,454
Other real estate	9	186,859	497,456	1,500,028
Tenant-occupied housing	<1	13,044	179,409	206,138
Owner-occupied dwellings	0	0	539,836	685,298
Automotive equipment rental and leasing	<1	8,999	27,782	37,241
General and consumer goods rental except video tapes and discs	<1	15,340	19,419	30,975
Video tape and disc rental	<1	2,572	4,261	6,951
Commercial and industrial machinery and equipment rental and leasing	<1	16,623	47,117	61,768
Lessors of nonfinancial intangible assets	<1	1,228	53,835	59,921
Legal services	2	132,023	168,637	263,824
Accounting, tax preparation, bookkeeping, and payroll services	2	89,728	108,970	179,775
Architectural, engineering, and related services	1	89,835	95,029	181,532
Specialized design services	<1	6,247	8,659	14,994
Custom computer programming services	<1	40,712	42,365	62,939

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Computer systems design services	<1	26,741	25,724	34,286
Other computer related services, including facilities management	<1	20,217	33,309	61,746
Management consulting services	2	133,408	137,265	240,648
Environmental and other technical consulting services	<1	17,441	18,053	28,227
Scientific research and development services	24	1,704,244	2,346,431	4,916,976
Advertising, public relations, and related services	<1	35,144	43,361	90,129
Photographic services	<1	2,216	4,457	10,036
Veterinary services	<1	6,369	7,361	12,516
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	61,639	97,037	173,622
Management of companies and enterprises	3	237,307	272,293	570,751
Office administrative services	<1	52,731	21,932	52,873
Facilities support services	<1	1,852	2,819	6,420
Employment services	4	142,850	210,613	319,280
Business support services	1	48,410	39,812	72,924
Travel arrangement and reservation services	<1	13,633	17,941	46,400
Investigation and security services	<1	20,388	19,699	28,863
Services to buildings	1	30,999	42,532	83,656
Landscape and horticultural services	<1	26,259	31,832	58,020
Other support services	<1	11,972	15,386	29,640
Waste management and remediation services	<1	13,028	22,557	44,251
Elementary and secondary schools	<1	23,707	20,154	24,722
Junior colleges, colleges, universities, and professional schools	14	489,153	669,039	956,786
Other educational services	<1	17,637	19,632	36,182
Offices of physicians	2	148,413	154,356	229,463
Offices of dentists	<1	27,295	33,793	54,649
Offices of other health practitioners	<1	22,698	32,194	46,920
Outpatient care centers	<1	14,363	12,934	24,482
Medical and diagnostic laboratories	<1	11,376	16,051	24,256
Home health care services	<1	31,440	29,735	38,845
Other ambulatory health care services	<1	8,612	9,512	16,293

Appendix

Hospitals	2	173,698	204,334	407,271
Nursing and community care facilities	<1	28,819	33,294	62,404
Residential mental retardation, mental health, substance abuse and other facilities	<1	14,679	16,141	25,625
Individual and family services	1	33,155	28,902	45,654
Child day care services	<1	11,893	17,520	25,256
Community food, housing, and other relief services, including rehabilitation services	<1	8,557	8,412	19,966
Performing arts companies	<1	4,799	7,702	15,616
Commercial Sports Except Racing	<1	21,176	16,710	30,110
Racing and Track Operation	<1	833	1,425	2,660
Independent artists, writers, and performers	<1	5,127	22,029	31,491
Promoters of performing arts and sports and agents for public figures	<1	6,131	13,281	29,148
Museums, historical sites, zoos, and parks	<1	2,578	3,382	6,703
Amusement parks and arcades	<1	1,927	9,384	12,047
Gambling industries (except casino hotels)	<1	7,196	14,539	27,404
Other amusement and recreation industries	<1	12,692	17,459	31,942
Fitness and recreational sports centers	<1	4,429	8,824	16,582
Bowling centers	<1	1,153	2,504	4,500
Hotels and motels, including casino hotels	<1	7,280	15,898	25,676
Other accommodations	<1	1,968	2,856	4,088
Full-service restaurants	3	57,074	82,802	153,031
Limited-service restaurants	3	50,310	81,162	190,656
All other food and drinking places	2	42,904	65,705	104,752
Automotive repair and maintenance, except car washes	1	52,923	67,114	98,547
Car washes	<1	28,479	40,159	63,157
Electronic and precision equipment repair and maintenance	1	63,723	79,686	135,002
Commercial and industrial machinery and equipment repair and maintenance	45	3,231,839	3,307,232	4,979,426
Personal and household goods repair and maintenance	<1	6,713	14,777	20,949
Personal care services	<1	17,582	18,194	25,318
Death care services	<1	3,926	4,070	5,536

Appendix

Dry-cleaning and laundry services	<1	9,370	9,457	12,252
Other personal services	<1	15,045	20,375	30,672
Religious organizations	<1	50,416	48,763	81,164
Grantmaking, giving, and social advocacy organizations	<1	6,143	28,144	39,422
Business and professional associations	<1	9,069	19,702	28,834
Labor and civic organizations	<1	4,161	16,389	24,711
Private households	<1	6,119	6,119	6,119
Postal service	<1	27,282	27,291	29,203
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	1,543	1,569	6,322
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	10,003	10,663	48,472
Local government passenger transit	<1	18,517	-1,059	32,491
Local government electric utilities	<1	2,465	8,454	15,319
Other local government enterprises	<1	26,699	67,003	117,277
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	54,819	74,749	171,005

Vermont

NASA

Table 760: Detailed NASA Impacts by Types of Impact, Vermont

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	44	2,703,602	3,956,013	7,887,736
Oilseed farming	<1	25	29	133
Grain farming	<1	357	998	1,914
Vegetable and melon farming	<1	869	2,087	2,469
Fruit farming	<1	304	692	710
Tree nut farming	<1	<1	2	2
Greenhouse, nursery, and floriculture production	<1	499	844	1,044
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,150	1,917	2,441
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	645	2,390	5,016
Dairy cattle and milk production	<1	1,261	3,517	12,188
Poultry and egg production	<1	118	237	1,497
Animal production, except cattle and poultry and eggs	<1	1,058	2,597	3,647
Forestry, forest products, and timber tract production	<1	52	52	68
Commercial logging	<1	568	474	990
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	167	164	264
Support activities for agriculture and forestry	<1	4,029	3,067	4,370
Oil and gas extraction	<1	157	187	4,282
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	361	1,524	2,834
Sand and gravel mining	<1	289	746	1,514

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	133	301	573
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	2
Metal mining services	<1	<1	<1	19
Other nonmetallic minerals services	<1	2	1	17
Electric power generation - Hydroelectric	<1	602	1,888	4,328
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	530	1,020	1,881
Electric power generation - Solar	<1	339	1,337	3,418
Electric power generation - Wind	<1	56	539	1,314
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	627	2,935	10,239
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	8,846	28,635	73,165
Natural gas distribution	<1	1,998	5,304	12,535
Water, sewage and other systems	<1	235	513	1,100
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	12,621	6,755	34,051
Maintenance and repair construction of residential structures	<1	4,097	2,967	11,528
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	10	6	28
Dog and cat food manufacturing	<1	5	11	155
Other animal food manufacturing	<1	832	1,106	11,295
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	2	2	38
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	6	20	607
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	139	230	2,054
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	6	8	88
Chocolate and confectionery manufacturing from cacao beans	<1	130	164	1,005
Confectionery manufacturing from purchased chocolate	<1	101	117	700
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	46	54	334
Canned fruits and vegetables manufacturing	<1	112	163	1,092
Canned specialties	<1	63	103	828
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	398	490	7,177
Dry, condensed, and evaporated dairy product manufacturing	<1	427	669	6,053
Fluid milk manufacturing	<1	976	1,211	10,070
Creamery butter manufacturing	<1	112	281	2,897
Ice cream and frozen dessert manufacturing	<1	299	349	1,744
Frozen cakes and other pastries manufacturing	<1	237	309	576

Appendix

Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	248	288	3,186
Meat processed from carcasses	<1	375	364	3,250
Rendering and meat byproduct processing	<1	7	9	42
Seafood product preparation and packaging	<1	6	7	84
Bread and bakery product, except frozen, manufacturing	<1	965	1,171	3,357
Cookie and cracker manufacturing	<1	239	284	1,527
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	131	147	722
Roasted nuts and peanut butter manufacturing	<1	73	82	446
Other snack food manufacturing	<1	54	63	359
Coffee and tea manufacturing	<1	398	533	3,187
Flavoring syrup and concentrate manufacturing	<1	16	61	321
Mayonnaise, dressing, and sauce manufacturing	<1	<1	1	18
Spice and extract manufacturing	<1	<1	<1	5
All other food manufacturing	<1	81	99	654
Bottled and canned soft drinks & water	<1	157	208	1,304
Manufactured ice	<1	33	9	90
Breweries	<1	896	1,566	5,917
Wineries	<1	538	702	2,869
Distilleries	<1	165	786	2,334
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	36	70	276
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	29	72	204
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	6	28
Fabric coating mills	<1	63	101	468
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	1	6
Textile bag and canvas mills	<1	6	9	29
Rope, cordage, twine, tire cord and tire fabric mills	<1	11	22	81
Other textile product mills	<1	7	10	38
Hosiery and sock mills	<1	25	31	67

Appendix

Other apparel knitting mills	<1	19	23	47
Cut and sew apparel contractors	<1	<1	1	2
Mens and boys cut and sew apparel manufacturing	<1	5	7	18
Womens and girls cut and sew apparel manufacturing	<1	1	2	6
Other cut and sew apparel manufacturing	<1	3	4	13
Apparel accessories and other apparel manufacturing	<1	16	23	51
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	5
Sawmills	<1	467	800	3,089
Wood preservation	<1	47	148	509
Veneer and plywood manufacturing	<1	175	303	1,051
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	893	1,320	4,161
Cut stock, resawing lumber, and planing	<1	61	120	366
Other millwork, including flooring	<1	282	490	1,507
Wood container and pallet manufacturing	<1	31	45	148
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	71	104	306
All other miscellaneous wood product manufacturing	<1	158	252	816
Pulp mills	0	0	0	0
Paper mills	<1	256	369	2,109
Paperboard mills	<1	194	309	1,871
Paperboard container manufacturing	<1	36	46	237
Paper bag and coated and treated paper manufacturing	<1	39	53	236
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

Appendix

Printing	<1	34,578	46,812	103,653
Support activities for printing	<1	772	976	1,562
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	97	287	822
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	9	8	66
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	8	8	161
Plastics material and resin manufacturing	<1	89	91	1,159
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	7	7	49
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	9	8	66
Pesticide and other agricultural chemical manufacturing	<1	68	66	1,153
Medicinal and botanical manufacturing	<1	3	2	17
Pharmaceutical preparation manufacturing	<1	107	84	785
In-vitro diagnostic substance manufacturing	<1	11	10	36
Biological product (except diagnostic) manufacturing	<1	18	14	68
Paint and coating manufacturing	<1	17	15	131
Adhesive manufacturing	<1	7	6	47
Soap and other detergent manufacturing	<1	561	438	4,501
Polish and other sanitation good manufacturing	<1	72	66	333
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	126	88	1,120
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	20	19	162
Photographic film and chemical manufacturing	<1	5	5	56
Other miscellaneous chemical product manufacturing	<1	<1	<1	7
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	15	22	91
Unlaminated plastics profile shape manufacturing	<1	8	14	50
Plastics pipe and pipe fitting manufacturing	<1	5	11	44
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	5	7	33
Plastics bottle manufacturing	<1	8	12	58
Other plastics product manufacturing	<1	897	1,179	3,850
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	7	10	30
Other rubber product manufacturing	<1	50	65	234
Pottery, ceramics, and plumbing fixture manufacturing	<1	108	140	338
Brick, tile, and other structural clay product manufacturing	<1	82	117	316
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	184	268	869
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	12	18	99
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	557	803	3,091
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	335	420	1,126
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	<1	52	104	227
Cut stone and stone product manufacturing	<1	266	300	642
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	30	60	161
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	29	46	185
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	66	96	648
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	17	20	70
Iron and steel forging	<1	19	26	117
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	32	52	186
Handtool manufacturing	<1	27	38	108
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	70	92	349
Plate work manufacturing	<1	77	87	279
Metal window and door manufacturing	<1	10	12	35
Sheet metal work manufacturing	<1	106	128	390

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Ornamental and architectural metal work manufacturing	<1	17	20	57
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	32	56	394
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	13	16	60
Machine shops	<1	463	532	1,218
Turned product and screw, nut, and bolt manufacturing	<1	24	30	82
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	56	77	231
Electroplating, anodizing, and coloring metal	<1	6	7	17
Valve and fittings, other than plumbing, manufacturing	<1	11	15	44
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	47	67	174
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	115	142	491
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	76	95	276
Food product machinery manufacturing	<1	<1	<1	2

Appendix

Sawmill, woodworking, and paper machinery	<1	3	4	14
Printing machinery and equipment manufacturing	<1	3	3	11
All other industrial machinery manufacturing	<1	12	17	42
Optical instrument and lens manufacturing	<1	2	4	9
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	10	20	56
Air purification and ventilation equipment manufacturing	<1	1	2	7
Heating equipment (except warm air furnaces) manufacturing	<1	106	188	517
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	6	14	42
Industrial mold manufacturing	<1	94	118	203
Special tool, die, jig, and fixture manufacturing	<1	13	20	36
Cutting tool and machine tool accessory manufacturing	<1	51	62	159
Machine tool manufacturing	<1	5	7	15
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	2
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	2	4	11
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	4	5	15
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

Appendix

Power-driven handtool manufacturing	<1	2	7	19
Welding and soldering equipment manufacturing	<1	<1	1	3
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	13	24	67
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	10	13	36
Electronic computer manufacturing	<1	3	3	21
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	4	5	19
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	3
Audio and video equipment manufacturing	<1	<1	<1	2
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	6	7	19
Semiconductor and related device manufacturing	<1	120	145	585
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	4	4	12
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	2
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	1	4
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0

Appendix

Industrial process variable instruments manufacturing	<1	2	3	9
Totalizing fluid meter and counting device manufacturing	<1	5	6	18
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	1	2	4
Irradiation apparatus manufacturing	<1	<1	<1	1
Watch, clock, and other measuring and controlling device manufacturing	<1	42	49	141
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	1	5
Electric lamp bulb and part manufacturing	<1	42	82	212
Lighting fixture manufacturing	<1	44	66	197
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	<1	4	6	16
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	263	655	1,307
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	15	23	83
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	43	73	241
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	11
Automobile manufacturing	<1	663	272	6,817

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	3	2	37
Motor vehicle body manufacturing	<1	12	11	56
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	77	64	556
Motor vehicle electrical and electronic equipment manufacturing	<1	4	8	32
Motor vehicle transmission and power train parts manufacturing	<1	146	128	891
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	151	131	925
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	70	80	313
Other aircraft parts and auxiliary equipment manufacturing	<1	1	1	5
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	11	12	59
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	22	20	124
All other transportation equipment manufacturing	<1	26	31	211
Wood kitchen cabinet and countertop manufacturing	<1	50	41	134
Upholstered household furniture manufacturing	<1	3	3	15

Appendix

Nonupholstered wood household furniture manufacturing	<1	172	158	540
Other household nonupholstered furniture manufacturing	<1	11	10	72
Institutional furniture manufacturing	<1	<1	<1	4
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	3	2	7
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	13	10	42
Mattress manufacturing	<1	7	4	38
Blind and shade manufacturing	<1	12	12	44
Surgical and medical instrument manufacturing	<1	77	148	430
Surgical appliance and supplies manufacturing	<1	29	59	193
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	17	33	73
Dental laboratories	<1	9	9	18
Jewelry and silverware manufacturing	<1	102	155	435
Sporting and athletic goods manufacturing	<1	92	133	430
Doll, toy, and game manufacturing	<1	72	122	496
Office supplies (except paper) manufacturing	<1	29	45	233
Sign manufacturing	<1	78	73	298
Gasket, packing, and sealing device manufacturing	<1	59	75	194
Musical instrument manufacturing	<1	21	23	76
Fasteners, buttons, needles, and pins manufacturing	<1	61	83	211
Broom, brush, and mop manufacturing	<1	52	81	236
Burial casket manufacturing	<1	75	97	228
All other miscellaneous manufacturing	<1	8	12	62
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,641	3,403	8,264
Wholesale - Professional and commercial equipment and supplies	<1	5,572	8,454	14,933

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	1,797	3,712	9,192
Wholesale - Machinery, equipment, and supplies	<1	2,500	4,377	8,251
Wholesale - Other durable goods merchant wholesalers	<1	5,884	9,500	19,629
Wholesale - Drugs and druggists' sundries	<1	5,259	13,481	31,857
Wholesale - Grocery and related product wholesalers	<1	5,081	6,636	13,779
Wholesale - Petroleum and petroleum products	<1	1,156	16,059	18,857
Wholesale - Other nondurable goods merchant wholesalers	<1	11,377	21,969	43,375
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,022	2,091	2,492
Retail - Motor vehicle and parts dealers	<1	8,658	12,528	18,903
Retail - Furniture and home furnishings stores	<1	3,873	5,205	8,590
Retail - Electronics and appliance stores	<1	3,386	3,244	5,824
Retail - Building material and garden equipment and supplies stores	<1	6,066	9,554	14,432
Retail - Food and beverage stores	<1	14,467	18,513	31,540
Retail - Health and personal care stores	<1	7,382	8,740	13,326
Retail - Gasoline stores	<1	4,020	6,540	12,987
Retail - Clothing and clothing accessories stores	<1	5,591	7,591	14,920
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,553	4,722	7,838
Retail - General merchandise stores	<1	6,290	8,868	14,761
Retail - Miscellaneous store retailers	<1	6,965	8,180	13,713
Retail - Nonstore retailers	<1	12,016	29,536	55,182
Air transportation	<1	846	2,144	4,903
Rail transportation	<1	495	1,208	3,197
Water transportation	<1	1,179	1,728	9,670
Truck transportation	<1	9,493	11,128	21,396
Transit and ground passenger transportation	<1	6,020	7,326	9,082
Pipeline transportation	<1	557	860	1,148
Scenic and sightseeing transportation and support activities for transportation	<1	10,392	11,433	22,545

Appendix

Couriers and messengers	<1	5,174	6,342	10,343
Warehousing and storage	<1	4,255	4,715	11,029
Newspaper publishers	<1	2,854	4,994	6,492
Periodical publishers	<1	2,003	3,251	5,161
Book publishers	<1	1,360	4,318	7,799
Directory, mailing list, and other publishers	<1	276	796	1,191
Greeting card publishing	<1	80	226	304
Software publishers	<1	61,175	139,086	161,219
Motion picture and video industries	<1	1,186	2,103	9,506
Sound recording industries	<1	109	524	1,514
Radio and television broadcasting	<1	7,716	9,372	30,654
Cable and other subscription programming	<1	271	1,590	6,937
Wired telecommunications carriers	<1	6,605	14,166	26,109
Wireless telecommunications carriers (except satellite)	<1	335	2,342	7,988
Satellite, telecommunications resellers, and all other telecommunications	<1	750	998	2,566
Data processing, hosting, and related services	<1	5,518	11,089	34,126
News syndicates, libraries, archives and all other information services	<1	823	1,555	4,752
Internet publishing and broadcasting and web search portals	<1	4,692	12,077	44,602
Nondepository credit intermediation and related activities	<1	3,890	4,837	8,641
Securities and commodity contracts intermediation and brokerage	<1	14,900	13,344	25,276
Monetary authorities and depository credit intermediation	<1	39,167	79,496	161,217
Other financial investment activities	<1	12,726	15,983	38,531
Direct life insurance carriers	<1	6,169	14,710	18,304
Insurance carriers, except direct life	<1	12,104	53,838	89,281
Insurance agencies, brokerages, and related activities	<1	11,635	22,212	46,430
Funds, trusts, and other financial vehicles	<1	2,915	3,775	18,422
Other real estate	2	41,504	165,240	452,178
Tenant-occupied housing	<1	2,281	45,382	51,261

Appendix

Owner-occupied dwellings	0	0	179,633	228,036
Automotive equipment rental and leasing	<1	1,636	4,960	7,948
General and consumer goods rental except video tapes and discs	<1	2,284	3,479	6,555
Video tape and disc rental	<1	621	1,134	1,855
Commercial and industrial machinery and equipment rental and leasing	<1	1,611	3,903	6,269
Lessors of nonfinancial intangible assets	<1	-180	5,577	7,026
Legal services	<1	58,937	85,244	131,580
Accounting, tax preparation, bookkeeping, and payroll services	<1	16,429	25,545	36,416
Architectural, engineering, and related services	<1	30,443	35,643	65,490
Specialized design services	<1	1,950	3,869	5,641
Custom computer programming services	<1	10,806	10,737	16,061
Computer systems design services	<1	9,240	8,532	11,561
Other computer related services, including facilities management	<1	5,139	7,070	13,937
Management consulting services	<1	50,332	53,387	87,873
Environmental and other technical consulting services	<1	12,661	13,634	20,734
Scientific research and development services	14	994,014	1,197,483	2,697,576
Advertising, public relations, and related services	<1	9,969	16,355	29,985
Photographic services	<1	299	989	1,736
Veterinary services	<1	2,414	3,397	5,110
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	11,463	27,188	42,226
Management of companies and enterprises	<1	43,513	49,154	82,157
Office administrative services	<1	18,703	12,906	24,554
Facilities support services	<1	1,287	2,095	5,204
Employment services	<1	32,647	51,269	76,679
Business support services	<1	7,664	7,153	12,522
Travel arrangement and reservation services	<1	4,144	5,726	13,510
Investigation and security services	<1	4,285	4,274	6,173
Services to buildings	<1	7,716	11,298	21,413
Landscape and horticultural services	<1	8,375	10,599	19,248

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Other support services	<1	3,065	4,028	8,323
Waste management and remediation services	<1	5,951	11,407	21,383
Elementary and secondary schools	<1	10,663	8,830	10,365
Junior colleges, colleges, universities, and professional schools	2	109,891	145,527	195,413
Other educational services	<1	15,072	17,461	34,340
Offices of physicians	<1	49,932	52,522	74,072
Offices of dentists	<1	11,766	14,850	20,609
Offices of other health practitioners	<1	9,190	13,477	18,064
Outpatient care centers	<1	16,071	14,922	29,228
Medical and diagnostic laboratories	<1	941	1,370	1,954
Home health care services	<1	11,761	11,307	14,354
Other ambulatory health care services	<1	2,820	3,174	5,488
Hospitals	1	95,434	110,613	213,011
Nursing and community care facilities	<1	15,442	16,188	27,369
Residential mental retardation, mental health, substance abuse and other facilities	<1	4,958	5,069	7,519
Individual and family services	<1	25,337	21,748	33,597
Child day care services	<1	6,073	8,545	11,313
Community food, housing, and other relief services, including rehabilitation services	<1	5,261	5,215	10,614
Performing arts companies	<1	2,451	3,252	7,021
Commercial Sports Except Racing	<1	2,646	2,904	4,994
Racing and Track Operation	<1	362	509	815
Independent artists, writers, and performers	<1	3,791	8,426	16,665
Promoters of performing arts and sports and agents for public figures	<1	3,214	4,783	12,965
Museums, historical sites, zoos, and parks	<1	1,634	2,110	3,620
Amusement parks and arcades	<1	173	1,015	1,227
Gambling industries (except casino hotels)	<1	3,760	9,563	15,518
Other amusement and recreation industries	<1	2,324	4,218	7,258
Fitness and recreational sports centers	<1	1,516	3,808	6,135
Bowling centers	<1	376	907	1,338

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Hotels and motels, including casino hotels	<1	1,232	2,838	4,252
Other accommodations	<1	314	502	672
Full-service restaurants	<1	26,183	37,964	63,941
Limited-service restaurants	<1	12,902	20,588	41,386
All other food and drinking places	<1	16,544	28,774	40,172
Automotive repair and maintenance, except car washes	<1	16,513	14,732	23,487
Car washes	<1	7,002	10,271	15,544
Electronic and precision equipment repair and maintenance	<1	4,826	4,956	8,565
Commercial and industrial machinery and equipment repair and maintenance	<1	4,857	3,639	6,092
Personal and household goods repair and maintenance	<1	2,024	3,150	4,817
Personal care services	<1	7,512	6,128	8,207
Death care services	<1	1,708	826	1,326
Dry-cleaning and laundry services	<1	2,621	1,157	1,757
Other personal services	<1	3,757	4,648	6,660
Religious organizations	<1	8,987	1,293	16,183
Grantmaking, giving, and social advocacy organizations	<1	7,792	16,917	30,965
Business and professional associations	<1	4,033	5,618	11,608
Labor and civic organizations	<1	3,377	6,818	15,680
Private households	<1	3,467	3,467	3,467
Postal service	<1	8,758	8,760	9,389
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	87	275	577
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	5,273	4,729	10,417
Local government passenger transit	<1	1,766	-2,601	270
Local government electric utilities	<1	1,178	2,509	5,041
Other local government enterprises	<1	3,320	4,267	10,093
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	274,356	378,565	866,053

Moon to Mars Campaign

Table 761: Detailed M2M Campaign Impacts by Types of Impact, Vermont

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	5	313,620	508,203	880,502
Oilseed farming	<1	3	4	23
Grain farming	<1	30	94	167
Vegetable and melon farming	<1	88	217	256
Fruit farming	<1	34	78	81
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	49	84	103
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	96	165	209
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	56	191	385
Dairy cattle and milk production	<1	142	372	1,222
Poultry and egg production	<1	10	22	128
Animal production, except cattle and poultry and eggs	<1	74	210	298
Forestry, forest products, and timber tract production	<1	6	6	7
Commercial logging	<1	55	46	93
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	27	17	27
Support activities for agriculture and forestry	<1	352	266	381
Oil and gas extraction	<1	9	14	324

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	38	135	257
Sand and gravel mining	<1	31	71	142
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	15	33	63
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	2
Other nonmetallic minerals services	<1	<1	<1	1
Electric power generation - Hydroelectric	<1	64	198	444
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	66	129	226
Electric power generation - Solar	<1	31	129	324
Electric power generation - Wind	<1	5	51	121
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	59	296	961
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	1,007	3,233	7,856
Natural gas distribution	<1	203	558	1,258
Water, sewage and other systems	<1	21	46	94
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	1,229	664	3,274
Maintenance and repair construction of residential structures	<1	443	322	1,232
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	<1	3
Dog and cat food manufacturing	<1	<1	1	14
Other animal food manufacturing	<1	79	110	1,076
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	3
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	<1	3	75
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	10	18	151
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	10
Chocolate and confectionery manufacturing from cacao beans	<1	19	24	145
Confectionery manufacturing from purchased chocolate	<1	10	12	67
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	5	6	35
Canned fruits and vegetables manufacturing	<1	15	22	143

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Canned specialties	<1	7	11	87
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	43	53	786
Dry, condensed, and evaporated dairy product manufacturing	<1	53	85	708
Fluid milk manufacturing	<1	98	124	1,018
Creamery butter manufacturing	<1	11	28	278
Ice cream and frozen dessert manufacturing	<1	29	35	162
Frozen cakes and other pastries manufacturing	<1	25	32	59
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	20	24	258
Meat processed from carcasses	<1	39	39	341
Rendering and meat byproduct processing	<1	<1	<1	5
Seafood product preparation and packaging	<1	<1	<1	7
Bread and bakery product, except frozen, manufacturing	<1	98	119	338
Cookie and cracker manufacturing	<1	28	35	175
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	13	15	71
Roasted nuts and peanut butter manufacturing	<1	8	10	50
Other snack food manufacturing	<1	6	7	38
Coffee and tea manufacturing	<1	37	51	294
Flavoring syrup and concentrate manufacturing	<1	2	8	40
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	2
Spice and extract manufacturing	<1	<1	<1	<1
All other food manufacturing	<1	10	12	75
Bottled and canned soft drinks & water	<1	16	21	131
Manufactured ice	<1	4	1	9
Breweries	<1	83	152	560
Wineries	<1	74	98	385
Distilleries	<1	17	84	237
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	5	10	34
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

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Nonwoven fabric mills	<1	4	10	26
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	4
Fabric coating mills	<1	10	15	68
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	<1	<1	3
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	2	6
Other textile product mills	<1	<1	1	4
Hosiery and sock mills	<1	3	3	6
Other apparel knitting mills	<1	3	3	6
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	1	2	4
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	2	3	6
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	40	69	271
Wood preservation	<1	4	12	42
Veneer and plywood manufacturing	<1	15	26	91
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	75	112	350
Cut stock, resawing lumber, and planing	<1	5	11	33
Other millwork, including flooring	<1	27	47	140
Wood container and pallet manufacturing	<1	3	5	16
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	6	9	26
All other miscellaneous wood product manufacturing	<1	18	29	89
Pulp mills	0	0	0	0

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Paper mills	<1	30	41	248
Paperboard mills	<1	23	34	221
Paperboard container manufacturing	<1	5	6	30
Paper bag and coated and treated paper manufacturing	<1	6	7	33
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	9,223	12,875	26,492
Support activities for printing	<1	190	240	377
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	10	29	81
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	<1	<1	6
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	1	1	23
Plastics material and resin manufacturing	<1	8	9	113
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	2	2	13
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	<1	7
Pesticide and other agricultural chemical manufacturing	<1	6	6	98
Medicinal and botanical manufacturing	<1	<1	<1	2
Pharmaceutical preparation manufacturing	<1	15	12	108
In-vitro diagnostic substance manufacturing	<1	2	2	7

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Biological product (except diagnostic) manufacturing	<1	3	3	12
Paint and coating manufacturing	<1	2	2	16
Adhesive manufacturing	<1	1	1	8
Soap and other detergent manufacturing	<1	66	57	498
Polish and other sanitation good manufacturing	<1	9	8	39
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	16	12	145
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	5	5	42
Photographic film and chemical manufacturing	<1	<1	<1	6
Other miscellaneous chemical product manufacturing	<1	<1	<1	<1
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2	3	12
Unlaminated plastics profile shape manufacturing	<1	<1	2	5
Plastics pipe and pipe fitting manufacturing	<1	<1	1	5
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	<1	<1	3
Plastics bottle manufacturing	<1	1	2	8
Other plastics product manufacturing	<1	101	133	421
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	<1	1	3
Other rubber product manufacturing	<1	6	7	27
Pottery, ceramics, and plumbing fixture manufacturing	<1	11	13	34
Brick, tile, and other structural clay product manufacturing	<1	8	11	29
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	20	29	93
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	1	2	9
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	53	76	292
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	31	38	105
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	6	12	26
Cut stone and stone product manufacturing	<1	25	28	60
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	4	7	18
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	4	5	22
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	7	11	68
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	2	3	9
Iron and steel forging	<1	3	4	15

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	4	6	22
Handtool manufacturing	<1	4	6	16
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	7	9	34
Plate work manufacturing	<1	7	8	26
Metal window and door manufacturing	<1	1	1	4
Sheet metal work manufacturing	<1	10	13	38
Ornamental and architectural metal work manufacturing	<1	2	2	6
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	3	6	42
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	2	3	10
Machine shops	<1	54	62	140
Turned product and screw, nut, and bolt manufacturing	<1	5	6	16
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	19	26	79
Electroplating, anodizing, and coloring metal	<1	2	2	5
Valve and fittings, other than plumbing, manufacturing	<1	1	2	5
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	6	9	22
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	13	16	54
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	15	19	53
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	<1	1
Printing machinery and equipment manufacturing	<1	<1	1	3
All other industrial machinery manufacturing	<1	3	4	11
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	1	3	8
Air purification and ventilation equipment manufacturing	<1	<1	<1	<1
Heating equipment (except warm air furnaces) manufacturing	<1	10	19	46
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	<1	2	5
Industrial mold manufacturing	<1	11	14	23
Special tool, die, jig, and fixture manufacturing	<1	2	3	5
Cutting tool and machine tool accessory manufacturing	<1	7	9	23
Machine tool manufacturing	<1	<1	<1	1
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	<1	<1	<1	1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	<1	2	4
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	4	8	21
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	1	2	5
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	2
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	3	3	9
Semiconductor and related device manufacturing	<1	39	47	180

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2	2	5
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	<1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	2
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	6	7	20
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	<1	6	12	29
Lighting fixture manufacturing	<1	7	11	32
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0

Appendix

Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	31	106	153
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	2	3	11
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	4	8	25
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	1
Automobile manufacturing	<1	61	24	606
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	<1	<1	3
Motor vehicle body manufacturing	<1	<1	<1	5
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	8	6	56
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	3
Motor vehicle transmission and power train parts manufacturing	<1	22	19	117
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	17	14	100
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	58	51	235
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	<1	1	5
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	2	2	9
All other transportation equipment manufacturing	<1	3	4	25
Wood kitchen cabinet and countertop manufacturing	<1	5	4	12
Upholstered household furniture manufacturing	<1	<1	<1	2
Nonupholstered wood household furniture manufacturing	<1	19	17	57
Other household nonupholstered furniture manufacturing	<1	1	1	9
Institutional furniture manufacturing	<1	<1	<1	<1
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	1	1	4
Mattress manufacturing	<1	<1	<1	4
Blind and shade manufacturing	<1	1	1	4
Surgical and medical instrument manufacturing	<1	10	18	51
Surgical appliance and supplies manufacturing	<1	4	8	25
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	2	4	9
Dental laboratories	<1	1	1	2
Jewelry and silverware manufacturing	<1	10	16	44
Sporting and athletic goods manufacturing	<1	9	14	42
Doll, toy, and game manufacturing	<1	9	16	60
Office supplies (except paper) manufacturing	<1	3	5	26
Sign manufacturing	<1	8	8	32
Gasket, packing, and sealing device manufacturing	<1	6	7	18

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Musical instrument manufacturing	<1	3	4	12
Fasteners, buttons, needles, and pins manufacturing	<1	7	10	26
Broom, brush, and mop manufacturing	<1	7	13	31
Burial casket manufacturing	<1	5	7	16
All other miscellaneous manufacturing	<1	1	1	8
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	181	380	921
Wholesale - Professional and commercial equipment and supplies	<1	792	1,201	2,102
Wholesale - Household appliances and electrical and electronic goods	<1	226	466	1,147
Wholesale - Machinery, equipment, and supplies	<1	265	463	871
Wholesale - Other durable goods merchant wholesalers	<1	625	1,014	2,085
Wholesale - Drugs and druggists' sundries	<1	570	1,463	3,395
Wholesale - Grocery and related product wholesalers	<1	511	667	1,380
Wholesale - Petroleum and petroleum products	<1	109	1,808	2,082
Wholesale - Other nondurable goods merchant wholesalers	<1	1,235	2,475	4,771
Wholesale - Wholesale electronic markets and agents and brokers	<1	216	224	266
Retail - Motor vehicle and parts dealers	<1	900	1,302	1,952
Retail - Furniture and home furnishings stores	<1	416	559	914
Retail - Electronics and appliance stores	<1	360	350	617
Retail - Building material and garden equipment and supplies stores	<1	633	999	1,501
Retail - Food and beverage stores	<1	1,614	2,053	3,454
Retail - Health and personal care stores	<1	767	913	1,391
Retail - Gasoline stores	<1	434	685	1,322
Retail - Clothing and clothing accessories stores	<1	659	887	1,707
Retail - Sporting goods, hobby, musical instrument and book stores	<1	376	500	820
Retail - General merchandise stores	<1	643	912	1,517

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Retail - Miscellaneous store retailers	<1	755	886	1,454
Retail - Nonstore retailers	<1	1,269	3,307	6,089
Air transportation	<1	91	238	535
Rail transportation	<1	60	125	352
Water transportation	<1	139	206	1,108
Truck transportation	<1	1,102	1,284	2,463
Transit and ground passenger transportation	<1	835	1,013	1,207
Pipeline transportation	<1	37	62	84
Scenic and sightseeing transportation and support activities for transportation	<1	1,112	1,229	2,450
Couriers and messengers	<1	601	752	1,224
Warehousing and storage	<1	508	564	1,311
Newspaper publishers	<1	353	619	792
Periodical publishers	<1	296	484	731
Book publishers	<1	139	443	790
Directory, mailing list, and other publishers	<1	27	81	121
Greeting card publishing	<1	9	26	33
Software publishers	<1	61,483	140,535	162,650
Motion picture and video industries	<1	159	280	1,134
Sound recording industries	<1	14	67	182
Radio and television broadcasting	<1	1,323	1,521	3,984
Cable and other subscription programming	<1	67	275	1,006
Wired telecommunications carriers	<1	742	1,546	2,812
Wireless telecommunications carriers (except satellite)	<1	40	284	945
Satellite, telecommunications resellers, and all other telecommunications	<1	95	124	306
Data processing, hosting, and related services	<1	688	1,369	3,865
News syndicates, libraries, archives and all other information services	<1	110	214	617
Internet publishing and broadcasting and web search portals	<1	648	1,670	5,106
Nondepository credit intermediation and related activities	<1	452	564	973
Securities and commodity contracts intermediation and brokerage	<1	1,739	1,528	2,647

Appendix

Monetary authorities and depository credit intermediation	<1	3,808	7,746	15,511
Other financial investment activities	<1	1,682	2,060	4,439
Direct life insurance carriers	<1	590	1,470	1,781
Insurance carriers, except direct life	<1	1,260	5,919	9,355
Insurance agencies, brokerages, and related activities	<1	1,156	2,274	4,590
Funds, trusts, and other financial vehicles	<1	358	476	1,987
Other real estate	<1	4,610	17,619	45,102
Tenant-occupied housing	<1	256	5,240	5,809
Owner-occupied dwellings	0	0	20,538	26,072
Automotive equipment rental and leasing	<1	227	580	890
General and consumer goods rental except video tapes and discs	<1	252	363	653
Video tape and disc rental	<1	65	118	192
Commercial and industrial machinery and equipment rental and leasing	<1	202	443	698
Lessors of nonfinancial intangible assets	<1	-20	643	805
Legal services	<1	5,954	8,733	13,284
Accounting, tax preparation, bookkeeping, and payroll services	<1	1,932	3,092	4,286
Architectural, engineering, and related services	<1	3,036	3,605	6,536
Specialized design services	<1	220	454	641
Custom computer programming services	<1	1,181	1,163	1,712
Computer systems design services	<1	1,074	993	1,330
Other computer related services, including facilities management	<1	654	892	1,721
Management consulting services	<1	6,014	6,419	10,278
Environmental and other technical consulting services	<1	1,529	1,666	2,502
Scientific research and development services	1	102,573	122,513	268,969
Advertising, public relations, and related services	<1	1,392	2,332	4,079
Photographic services	<1	31	109	182
Veterinary services	<1	255	367	540
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	1,167	2,873	4,317

Appendix

Management of companies and enterprises	<1	4,869	5,533	9,084
Office administrative services	<1	2,893	2,147	3,742
Facilities support services	<1	174	285	657
Employment services	<1	3,909	6,260	8,977
Business support services	<1	772	733	1,234
Travel arrangement and reservation services	<1	417	580	1,358
Investigation and security services	<1	535	537	752
Services to buildings	<1	848	1,263	2,296
Landscape and horticultural services	<1	848	1,084	1,919
Other support services	<1	376	498	1,003
Waste management and remediation services	<1	604	1,157	2,147
Elementary and secondary schools	<1	1,398	1,159	1,344
Junior colleges, colleges, universities, and professional schools	<1	2,636	3,484	4,493
Other educational services	<1	736	862	1,621
Offices of physicians	<1	5,318	5,620	7,923
Offices of dentists	<1	1,268	1,625	2,232
Offices of other health practitioners	<1	966	1,449	1,925
Outpatient care centers	<1	1,758	1,643	3,251
Medical and diagnostic laboratories	<1	103	154	216
Home health care services	<1	1,262	1,219	1,558
Other ambulatory health care services	<1	306	348	596
Hospitals	<1	11,495	13,227	25,341
Nursing and community care facilities	<1	1,715	1,799	2,984
Residential mental retardation, mental health, substance abuse and other facilities	<1	607	622	909
Individual and family services	<1	2,881	2,496	3,816
Child day care services	<1	690	984	1,281
Community food, housing, and other relief services, including rehabilitation services	<1	644	640	1,275
Performing arts companies	<1	310	405	817
Commercial Sports Except Racing	<1	332	353	597
Racing and Track Operation	<1	43	60	88
Independent artists, writers, and performers	<1	503	1,035	2,003

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Promoters of performing arts and sports and agents for public figures	<1	392	568	1,455
Museums, historical sites, zoos, and parks	<1	178	230	387
Amusement parks and arcades	<1	21	110	133
Gambling industries (except casino hotels)	<1	428	1,061	1,699
Other amusement and recreation industries	<1	247	431	733
Fitness and recreational sports centers	<1	176	420	669
Bowling centers	<1	40	93	136
Hotels and motels, including casino hotels	<1	160	363	537
Other accommodations	<1	43	68	90
Full-service restaurants	<1	2,808	4,115	6,801
Limited-service restaurants	<1	1,407	2,262	4,428
All other food and drinking places	<1	1,839	3,200	4,372
Automotive repair and maintenance, except car washes	<1	1,914	1,646	2,622
Car washes	<1	778	1,135	1,708
Electronic and precision equipment repair and maintenance	<1	519	538	910
Commercial and industrial machinery and equipment repair and maintenance	<1	519	382	631
Personal and household goods repair and maintenance	<1	226	342	521
Personal care services	<1	855	674	905
Death care services	<1	213	89	148
Dry-cleaning and laundry services	<1	299	114	180
Other personal services	<1	413	506	719
Religious organizations	<1	1,041	130	1,800
Grantmaking, giving, and social advocacy organizations	<1	987	2,005	3,685
Business and professional associations	<1	461	611	1,247
Labor and civic organizations	<1	417	793	1,855
Private households	<1	404	404	404
Postal service	<1	961	961	1,029
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	10	38	70
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	<1	302	270	558
Local government passenger transit	<1	201	-311	24
Local government electric utilities	<1	115	232	461
Other local government enterprises	<1	317	387	914
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Investments in Climate Change Research and Technology

Table 762: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Vermont

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>12</i>	<i>671,502</i>	<i>971,415</i>	<i>2,007,955</i>
Oilseed farming	<1	6	6	26
Grain farming	<1	97	233	522
Vegetable and melon farming	<1	203	493	589
Fruit farming	<1	66	155	160
Tree nut farming	<1	<1	<1	<1
Greenhouse, nursery, and floriculture production	<1	127	218	276
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	348	578	762
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	215	877	1,844

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Dairy cattle and milk production	<1	257	760	2,714
Poultry and egg production	<1	36	70	479
Animal production, except cattle and poultry and eggs	<1	447	934	1,261
Forestry, forest products, and timber tract production	<1	15	15	20
Commercial logging	<1	164	137	296
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	43	53	80
Support activities for agriculture and forestry	<1	1,460	1,126	1,596
Oil and gas extraction	<1	46	55	1,253
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	104	530	944
Sand and gravel mining	<1	91	253	509
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	34	85	162
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	8
Other nonmetallic minerals services	<1	<1	<1	7
Electric power generation - Hydroelectric	<1	176	521	1,177
Electric power generation - Fossil fuel	0	0	0	0
Electric power generation - Nuclear	<1	167	326	621
Electric power generation - Solar	<1	79	321	837
Electric power generation - Wind	<1	22	207	532
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	<1	152	689	2,534
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,485	8,253	21,491
Natural gas distribution	<1	432	1,140	2,768
Water, sewage and other systems	<1	57	126	278
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,675	1,983	10,167
Maintenance and repair construction of residential structures	<1	1,012	733	2,910
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	2	7
Dog and cat food manufacturing	<1	1	3	38
Other animal food manufacturing	<1	258	336	3,561
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	11
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	<1	1	5	146
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	26	43	395
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	2	19
Chocolate and confectionery manufacturing from cacao beans	<1	23	29	181
Confectionery manufacturing from purchased chocolate	<1	25	29	173
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	11	13	80
Canned fruits and vegetables manufacturing	<1	23	34	227
Canned specialties	<1	16	28	220
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	<1	75	92	1,357
Dry, condensed, and evaporated dairy product manufacturing	<1	99	158	1,534
Fluid milk manufacturing	<1	210	262	2,234
Creamery butter manufacturing	<1	27	72	734
Ice cream and frozen dessert manufacturing	<1	62	72	381
Frozen cakes and other pastries manufacturing	<1	55	71	136
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	65	75	840
Meat processed from carcasses	<1	94	91	827
Rendering and meat byproduct processing	<1	2	2	11
Seafood product preparation and packaging	<1	2	2	22
Bread and bakery product, except frozen, manufacturing	<1	221	270	782
Cookie and cracker manufacturing	<1	53	62	354
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	<1	33	37	190
Roasted nuts and peanut butter manufacturing	<1	16	18	103
Other snack food manufacturing	<1	14	17	92
Coffee and tea manufacturing	<1	88	118	703
Flavoring syrup and concentrate manufacturing	<1	4	17	87
Mayonnaise, dressing, and sauce manufacturing	<1	<1	<1	4
Spice and extract manufacturing	<1	<1	<1	<1
All other food manufacturing	<1	17	21	142

Appendix

Bottled and canned soft drinks & water	<1	42	56	354
Manufactured ice	<1	9	2	24
Breweries	<1	189	325	1,234
Wineries	<1	110	145	608
Distilleries	<1	42	189	580
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	6	11	47
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	7	18	53
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	1	5
Fabric coating mills	<1	12	20	96
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	2
Textile bag and canvas mills	<1	2	2	8
Rope, cordage, twine, tire cord and tire fabric mills	<1	5	9	37
Other textile product mills	<1	2	2	10
Hosiery and sock mills	<1	6	8	17
Other apparel knitting mills	<1	4	5	11
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	3
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	3	5	12
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	1
Sawmills	<1	148	249	969
Wood preservation	<1	16	48	163
Veneer and plywood manufacturing	<1	68	117	401
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	<1	306	454	1,447

Appendix

Cut stock, resawing lumber, and planing	<1	18	36	111
Other millwork, including flooring	<1	87	150	474
Wood container and pallet manufacturing	<1	8	12	41
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	21	31	88
All other miscellaneous wood product manufacturing	<1	45	72	242
Pulp mills	0	0	0	0
Paper mills	<1	53	85	453
Paperboard mills	<1	88	143	838
Paperboard container manufacturing	<1	9	12	61
Paper bag and coated and treated paper manufacturing	<1	8	12	53
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	1,038	1,357	3,210
Support activities for printing	<1	95	118	193
Petroleum refineries	0	0	0	0
Asphalt paving mixture and block manufacturing	<1	30	89	261
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4	4	30
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	0	0	0	0
Other basic organic chemical manufacturing	<1	2	2	42
Plastics material and resin manufacturing	<1	41	40	464
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	<1	2	2	13

Appendix

Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	3	2	20
Pesticide and other agricultural chemical manufacturing	<1	25	24	415
Medicinal and botanical manufacturing	<1	<1	<1	3
Pharmaceutical preparation manufacturing	<1	22	17	167
In-vitro diagnostic substance manufacturing	<1	2	2	7
Biological product (except diagnostic) manufacturing	<1	4	3	14
Paint and coating manufacturing	<1	5	4	33
Adhesive manufacturing	<1	1	1	9
Soap and other detergent manufacturing	<1	127	97	1,101
Polish and other sanitation good manufacturing	<1	17	16	83
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	29	20	252
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	4	3	31
Photographic film and chemical manufacturing	<1	1	1	16
Other miscellaneous chemical product manufacturing	<1	<1	<1	2
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4	6	25
Unlaminated plastics profile shape manufacturing	<1	2	4	14
Plastics pipe and pipe fitting manufacturing	<1	2	4	14
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	1	2	10
Plastics bottle manufacturing	<1	2	3	15
Other plastics product manufacturing	<1	236	311	1,043

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	<1	2	2	8
Other rubber product manufacturing	<1	16	21	74
Pottery, ceramics, and plumbing fixture manufacturing	<1	28	37	88
Brick, tile, and other structural clay product manufacturing	<1	25	37	96
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	<1	63	94	297
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	4	6	31
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	186	274	1,040
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	116	148	391
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	<1	15	31	67
Cut stone and stone product manufacturing	<1	83	93	200
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	10	22	59
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	8	14	53
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	22	34	232
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	4	5	17
Iron and steel forging	<1	4	6	27
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	<1	7	11	41
Handtool manufacturing	<1	5	7	21
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	<1	25	33	125
Plate work manufacturing	<1	27	31	98
Metal window and door manufacturing	<1	3	4	12
Sheet metal work manufacturing	<1	30	37	114
Ornamental and architectural metal work manufacturing	<1	5	6	19
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	<1	7	12	87
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	3	3	12
Machine shops	<1	100	116	272
Turned product and screw, nut, and bolt manufacturing	<1	5	6	17
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	<1	11	16	47
Electroplating, anodizing, and coloring metal	<1	1	1	4
Valve and fittings, other than plumbing, manufacturing	<1	3	4	13

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	11	16	43
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	28	34	121
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	<1	16	21	61
Food product machinery manufacturing	<1	<1	<1	<1
Sawmill, woodworking, and paper machinery	<1	<1	1	4
Printing machinery and equipment manufacturing	<1	<1	<1	<1
All other industrial machinery manufacturing	<1	7	9	23
Optical instrument and lens manufacturing	<1	3	4	12
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	3	6	18
Air purification and ventilation equipment manufacturing	<1	<1	<1	2
Heating equipment (except warm air furnaces) manufacturing	<1	22	37	107
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2	4	13
Industrial mold manufacturing	<1	25	31	54
Special tool, die, jig, and fixture manufacturing	<1	3	4	7

Appendix

Cutting tool and machine tool accessory manufacturing	<1	12	14	36
Machine tool manufacturing	<1	<1	<1	2
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	1	3
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	1	1	4
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	<1	<1	2	4
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	<1	2	4	10
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3	3	9
Electronic computer manufacturing	<1	<1	<1	4
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	1	4
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	<1	<1	<1
Audio and video equipment manufacturing	<1	<1	<1	<1
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	<1	1	1	3
Semiconductor and related device manufacturing	<1	21	28	117
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	2
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	<1
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	<1	<1	<1	2
Totalizing fluid meter and counting device manufacturing	<1	2	3	8
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	<1	7	8	24
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	1
Electric lamp bulb and part manufacturing	<1	11	19	53
Lighting fixture manufacturing	<1	8	12	37
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	<1	<1	1	4
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	<1	63	114	301
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	5	7	26
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	14	22	73
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	3
Automobile manufacturing	<1	169	73	1,808
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1	<1	13
Motor vehicle body manufacturing	<1	4	3	17
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	19	17	143
Motor vehicle electrical and electronic equipment manufacturing	<1	1	3	12
Motor vehicle transmission and power train parts manufacturing	<1	33	30	220
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	41	38	269
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	6	6	29
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	<1	3	4	19
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	<1	9	8	55
All other transportation equipment manufacturing	<1	7	8	56
Wood kitchen cabinet and countertop manufacturing	<1	14	12	40
Upholstered household furniture manufacturing	<1	<1	<1	3
Nonupholstered wood household furniture manufacturing	<1	41	38	132
Other household nonupholstered furniture manufacturing	<1	3	2	18
Institutional furniture manufacturing	<1	<1	<1	2
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	2
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	3	3	11
Mattress manufacturing	<1	2	1	10
Blind and shade manufacturing	<1	3	3	11
Surgical and medical instrument manufacturing	<1	18	33	100
Surgical appliance and supplies manufacturing	<1	6	13	44
Dental equipment and supplies manufacturing	0	0	0	0

Appendix

Ophthalmic goods manufacturing	<1	4	8	18
Dental laboratories	<1	2	2	4
Jewelry and silverware manufacturing	<1	27	40	113
Sporting and athletic goods manufacturing	<1	21	29	99
Doll, toy, and game manufacturing	<1	16	26	109
Office supplies (except paper) manufacturing	<1	7	11	60
Sign manufacturing	<1	25	23	96
Gasket, packing, and sealing device manufacturing	<1	18	22	59
Musical instrument manufacturing	<1	4	4	14
Fasteners, buttons, needles, and pins manufacturing	<1	13	18	45
Broom, brush, and mop manufacturing	<1	12	18	57
Burial casket manufacturing	<1	27	33	84
All other miscellaneous manufacturing	<1	2	3	18
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	440	932	2,246
Wholesale - Professional and commercial equipment and supplies	<1	1,379	2,102	3,741
Wholesale - Household appliances and electrical and electronic goods	<1	470	1,001	2,482
Wholesale - Machinery, equipment, and supplies	<1	735	1,311	2,460
Wholesale - Other durable goods merchant wholesalers	<1	1,563	2,547	5,272
Wholesale - Drugs and druggists' sundries	<1	1,338	3,540	8,371
Wholesale - Grocery and related product wholesalers	<1	1,239	1,635	3,410
Wholesale - Petroleum and petroleum products	<1	396	4,508	5,364
Wholesale - Other nondurable goods merchant wholesalers	<1	2,842	5,425	10,843
Wholesale - Wholesale electronic markets and agents and brokers	<1	542	560	670
Retail - Motor vehicle and parts dealers	<1	2,326	3,363	5,094
Retail - Furniture and home furnishings stores	<1	981	1,318	2,202
Retail - Electronics and appliance stores	<1	873	829	1,507

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Retail - Building material and garden equipment and supplies stores	<1	1,606	2,541	3,853
Retail - Food and beverage stores	<1	3,561	4,590	7,924
Retail - Health and personal care stores	<1	1,910	2,262	3,468
Retail - Gasoline stores	<1	1,024	1,724	3,536
Retail - Clothing and clothing accessories stores	<1	1,340	1,840	3,702
Retail - Sporting goods, hobby, musical instrument and book stores	<1	893	1,191	2,011
Retail - General merchandise stores	<1	1,680	2,361	3,948
Retail - Miscellaneous store retailers	<1	1,698	2,014	3,468
Retail - Nonstore retailers	<1	2,888	7,108	13,576
Air transportation	<1	224	546	1,275
Rail transportation	<1	165	415	1,076
Water transportation	<1	347	509	2,903
Truck transportation	<1	2,777	3,307	6,501
Transit and ground passenger transportation	<1	1,342	1,594	2,074
Pipeline transportation	<1	206	255	346
Scenic and sightseeing transportation and support activities for transportation	<1	3,651	4,018	7,902
Couriers and messengers	<1	1,447	1,798	2,973
Warehousing and storage	<1	1,173	1,303	3,088
Newspaper publishers	<1	846	1,462	1,913
Periodical publishers	<1	503	807	1,319
Book publishers	<1	361	1,143	2,090
Directory, mailing list, and other publishers	<1	82	229	343
Greeting card publishing	<1	15	41	56
Software publishers	<1	2,193	4,978	5,889
Motion picture and video industries	<1	266	458	2,298
Sound recording industries	<1	23	105	321
Radio and television broadcasting	<1	1,830	2,298	8,781
Cable and other subscription programming	<1	54	348	1,639
Wired telecommunications carriers	<1	1,731	3,739	7,002
Wireless telecommunications carriers (except satellite)	<1	91	622	2,174

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Satellite, telecommunications resellers, and all other telecommunications	<1	183	253	683
Data processing, hosting, and related services	<1	1,407	2,828	9,500
News syndicates, libraries, archives and all other information services	<1	215	402	1,286
Internet publishing and broadcasting and web search portals	<1	1,025	2,679	12,675
Nondepository credit intermediation and related activities	<1	1,003	1,224	2,262
Securities and commodity contracts intermediation and brokerage	<1	3,816	3,486	7,214
Monetary authorities and depository credit intermediation	<1	12,283	23,278	49,147
Other financial investment activities	<1	2,793	3,559	9,382
Direct life insurance carriers	<1	1,641	3,863	4,985
Insurance carriers, except direct life	<1	3,365	14,527	25,106
Insurance agencies, brokerages, and related activities	<1	3,249	6,232	13,170
Funds, trusts, and other financial vehicles	<1	747	959	4,793
Other real estate	<1	11,818	46,897	134,165
Tenant-occupied housing	<1	562	10,546	12,119
Owner-occupied dwellings	0	0	43,004	54,592
Automotive equipment rental and leasing	<1	386	1,316	2,155
General and consumer goods rental except video tapes and discs	<1	537	857	1,660
Video tape and disc rental	<1	156	289	474
Commercial and industrial machinery and equipment rental and leasing	<1	426	1,154	1,883
Lessors of nonfinancial intangible assets	<1	-59	1,687	2,121
Legal services	<1	19,604	28,035	43,676
Accounting, tax preparation, bookkeeping, and payroll services	<1	4,734	7,195	10,445
Architectural, engineering, and related services	<1	10,194	11,717	21,867
Specialized design services	<1	501	950	1,451
Custom computer programming services	<1	2,918	2,914	4,467

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Computer systems design services	<1	2,673	2,452	3,364
Other computer related services, including facilities management	<1	1,372	1,881	3,792
Management consulting services	<1	16,246	17,226	28,792
Environmental and other technical consulting services	<1	3,917	4,219	6,485
Scientific research and development services	5	330,145	408,634	925,303
Advertising, public relations, and related services	<1	2,770	4,467	8,471
Photographic services	<1	85	267	492
Veterinary services	<1	616	848	1,299
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	3,863	8,978	14,740
Management of companies and enterprises	<1	13,083	14,785	25,256
Office administrative services	<1	5,218	3,619	7,077
Facilities support services	<1	387	639	1,634
Employment services	<1	10,434	16,314	25,149
Business support services	<1	2,386	2,215	4,020
Travel arrangement and reservation services	<1	1,186	1,645	3,952
Investigation and security services	<1	1,226	1,220	1,806
Services to buildings	<1	2,272	3,325	6,485
Landscape and horticultural services	<1	2,192	2,777	5,134
Other support services	<1	753	992	2,119
Waste management and remediation services	<1	1,692	3,242	6,143
Elementary and secondary schools	<1	2,451	2,051	2,424
Junior colleges, colleges, universities, and professional schools	<1	4,965	6,598	8,966
Other educational services	<1	1,447	1,682	3,299
Offices of physicians	<1	12,846	13,466	19,078
Offices of dentists	<1	2,949	3,679	5,139
Offices of other health practitioners	<1	2,367	3,410	4,587
Outpatient care centers	<1	3,830	3,540	6,975
Medical and diagnostic laboratories	<1	237	339	492
Home health care services	<1	3,077	2,948	3,783
Other ambulatory health care services	<1	709	793	1,380

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Hospitals	<1	22,364	25,977	50,574
Nursing and community care facilities	<1	3,720	3,897	6,722
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,122	1,146	1,722
Individual and family services	<1	5,638	4,767	7,473
Child day care services	<1	1,471	2,004	2,720
Community food, housing, and other relief services, including rehabilitation services	<1	1,162	1,148	2,386
Performing arts companies	<1	554	751	1,694
Commercial Sports Except Racing	<1	671	764	1,330
Racing and Track Operation	<1	85	124	210
Independent artists, writers, and performers	<1	892	2,162	4,318
Promoters of performing arts and sports and agents for public figures	<1	739	1,139	3,205
Museums, historical sites, zoos, and parks	<1	374	487	852
Amusement parks and arcades	<1	40	247	304
Gambling industries (except casino hotels)	<1	867	2,156	3,598
Other amusement and recreation industries	<1	554	1,010	1,800
Fitness and recreational sports centers	<1	346	876	1,457
Bowling centers	<1	90	219	332
Hotels and motels, including casino hotels	<1	295	693	1,051
Other accommodations	<1	68	109	147
Full-service restaurants	<1	6,915	9,906	17,068
Limited-service restaurants	<1	3,292	5,192	10,773
All other food and drinking places	<1	4,391	7,626	10,813
Automotive repair and maintenance, except car washes	<1	4,223	3,908	6,240
Car washes	<1	1,783	2,627	4,002
Electronic and precision equipment repair and maintenance	<1	1,395	1,422	2,519
Commercial and industrial machinery and equipment repair and maintenance	<1	1,333	1,000	1,710
Personal and household goods repair and maintenance	<1	542	873	1,346
Personal care services	<1	1,775	1,489	1,999
Death care services	<1	400	218	341

Appendix

Dry-cleaning and laundry services	<1	661	330	489
Other personal services	<1	970	1,211	1,754
Religious organizations	<1	2,060	338	3,908
Grantmaking, giving, and social advocacy organizations	<1	1,639	3,733	6,810
Business and professional associations	<1	1,030	1,479	3,071
Labor and civic organizations	<1	749	1,580	3,591
Private households	<1	839	839	839
Postal service	<1	2,424	2,425	2,601
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	26	72	155
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	2,180	2,076	4,724
Local government passenger transit	<1	487	-572	100
Local government electric utilities	<1	306	721	1,460
Other local government enterprises	<1	867	1,195	2,820
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

Virginia

NASA

Table 763: Detailed NASA Impacts by Types of Impact, Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>32,739</i>	<i>2,486,012,582</i>	<i>3,723,419,890</i>	<i>6,800,349,705</i>
Oilseed farming	4	-91,880	930,273	1,450,387
Grain farming	21	82,368	635,389	2,947,721
Vegetable and melon farming	10	68,233	306,526	612,742
Fruit farming	9	39,739	241,886	354,518
Tree nut farming	<1	442	2,542	3,576
Greenhouse, nursery, and floriculture production	19	292,357	567,735	1,072,755
Tobacco farming	5	92,048	140,972	250,599
Cotton farming	<1	15,746	28,441	56,542
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	65	163,028	318,935	693,435
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	31	-13,480	424,831	1,629,212
Dairy cattle and milk production	7	25,702	222,864	1,407,690
Poultry and egg production	14	179,369	469,221	4,055,037
Animal production, except cattle and poultry and eggs	41	42,538	1,699,203	2,452,373
Forestry, forest products, and timber tract production	1	110,369	112,070	138,078
Commercial logging	12	873,559	751,830	1,141,274
Commercial fishing	6	346,229	462,136	616,779
Commercial hunting and trapping	<1	72,270	121,184	154,767
Support activities for agriculture and forestry	33	884,078	781,228	1,064,853
Oil and gas extraction	26	1,241,333	580,395	10,679,901
Coal mining	4	329,585	877,677	1,551,458
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	11,667	21,269	40,281
Stone mining and quarrying	6	373,316	1,376,115	2,420,163
Sand and gravel mining	1	79,250	186,001	367,553

Appendix

Other clay, ceramic, refractory minerals mining	<1	21,053	45,200	88,858
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	19,378	40,103	76,388
Drilling oil and gas wells	<1	92	77	471
Support activities for oil and gas operations	<1	2,053	1,782	6,782
Metal mining services	<1	8,928	6,166	89,133
Other nonmetallic minerals services	<1	1,721	1,611	12,935
Electric power generation - Hydroelectric	1	162,492	615,520	1,145,580
Electric power generation - Fossil fuel	10	1,558,570	7,138,653	15,478,097
Electric power generation - Nuclear	20	4,294,403	10,827,507	20,520,055
Electric power generation - Solar	<1	45,714	229,071	470,500
Electric power generation - Wind	<1	14,194	149,980	236,219
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	83,462	458,618	1,103,075
Electric power generation - All other	<1	15,907	14,268	32,205
Electric power transmission and distribution	48	8,923,083	36,746,430	73,147,994
Natural gas distribution	10	1,703,758	5,687,610	10,400,396
Water, sewage and other systems	3	297,083	691,415	1,107,297
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	709	47,748,069	54,933,256	114,226,162
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	98	6,041,190	9,340,914	20,991,563
Maintenance and repair construction of residential structures	53	3,062,379	4,624,096	10,431,139
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	2,933	4,560	10,230
Dog and cat food manufacturing	2	115,817	604,370	1,785,192
Other animal food manufacturing	2	105,904	260,012	1,788,677
Flour milling	<1	53,908	158,853	763,184
Rice milling	0	0	0	0
Malt manufacturing	<1	12,688	36,168	152,551
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	23,036	72,637	513,368
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	6,528	30,255	131,560
Nonchocolate confectionery manufacturing	<1	3,930	9,081	90,249
Chocolate and confectionery manufacturing from cacao beans	<1	369	845	8,138
Confectionery manufacturing from purchased chocolate	3	238,858	445,512	1,270,248
Frozen fruits, juices and vegetables manufacturing	1	72,506	233,675	653,381
Frozen specialties manufacturing	2	136,027	255,742	822,285
Canned fruits and vegetables manufacturing	1	80,182	262,292	839,179
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	8,530	23,729	63,961
Cheese manufacturing	<1	12,752	24,866	162,155
Dry, condensed, and evaporated dairy product manufacturing	2	180,880	745,231	2,919,177
Fluid milk manufacturing	5	339,449	799,334	3,465,893
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	11,684	22,037	91,983
Frozen cakes and other pastries manufacturing	11	314,807	474,953	890,417

Appendix

Poultry processing	28	1,315,965	2,025,582	8,379,240
Animal, except poultry, slaughtering	10	510,988	796,586	6,212,805
Meat processed from carcasses	10	493,695	518,325	4,596,189
Rendering and meat byproduct processing	<1	13,060	16,315	78,797
Seafood product preparation and packaging	5	285,691	479,192	2,139,376
Bread and bakery product, except frozen, manufacturing	22	776,516	1,321,568	3,205,580
Cookie and cracker manufacturing	5	433,296	880,471	2,020,442
Dry pasta, mixes, and dough manufacturing	<1	55,957	207,736	522,963
Tortilla manufacturing	<1	17,289	26,434	76,436
Roasted nuts and peanut butter manufacturing	2	144,620	549,740	1,327,456
Other snack food manufacturing	5	251,455	926,644	2,584,427
Coffee and tea manufacturing	2	150,525	438,725	1,485,309
Flavoring syrup and concentrate manufacturing	<1	13,181	207,565	320,196
Mayonnaise, dressing, and sauce manufacturing	<1	11,000	33,298	95,185
Spice and extract manufacturing	<1	117,288	288,354	570,406
All other food manufacturing	3	175,409	359,735	1,303,084
Bottled and canned soft drinks & water	7	485,247	1,202,092	4,457,185
Manufactured ice	<1	23,138	23,030	71,322
Breweries	11	696,162	2,450,723	5,169,565
Wineries	12	356,048	882,829	3,375,466
Distilleries	1	57,282	602,931	1,144,430
Tobacco product manufacturing	2	253,508	10,543,252	13,442,754
Fiber, yarn, and thread mills	2	94,382	150,884	672,864
Broadwoven fabric mills	3	125,775	210,668	741,752
Narrow fabric mills and schiffli machine embroidery	<1	13,920	15,936	65,974
Nonwoven fabric mills	2	180,266	324,715	1,064,017
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	21,390	28,610	122,929
Fabric coating mills	<1	34,657	46,789	211,695
Carpet and rug mills	5	304,617	525,861	1,956,926
Curtain and linen mills	2	75,219	99,751	339,601
Textile bag and canvas mills	<1	39,321	47,678	128,232
Rope, cordage, twine, tire cord and tire fabric mills	<1	12,180	18,688	52,893
Other textile product mills	2	98,529	121,440	352,720
Hosiery and sock mills	<1	2,439	4,730	11,563

Appendix

Other apparel knitting mills	<1	6,555	8,474	20,564
Cut and sew apparel contractors	<1	19,943	20,624	45,707
Mens and boys cut and sew apparel manufacturing	1	58,526	55,412	121,387
Womens and girls cut and sew apparel manufacturing	<1	11,749	10,760	50,849
Other cut and sew apparel manufacturing	1	38,314	32,153	122,129
Apparel accessories and other apparel manufacturing	<1	14,676	13,966	42,936
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	2,330	2,548	12,001
Other leather and allied product manufacturing	<1	5,374	5,587	20,559
Sawmills	13	710,899	1,266,766	4,318,565
Wood preservation	2	113,480	376,198	1,019,355
Veneer and plywood manufacturing	4	231,856	409,936	1,229,407
Engineered wood member and truss manufacturing	2	135,109	228,950	636,974
Reconstituted wood product manufacturing	2	103,739	295,048	864,108
Wood windows and door manufacturing	11	633,346	969,238	2,702,746
Cut stock, resawing lumber, and planing	3	129,454	266,447	701,781
Other millwork, including flooring	4	226,056	410,964	1,085,132
Wood container and pallet manufacturing	4	209,969	314,267	817,961
Manufactured home (mobile home) manufacturing	<1	227	307	941
Prefabricated wood building manufacturing	3	155,050	234,410	658,765
All other miscellaneous wood product manufacturing	3	111,903	185,622	554,358
Pulp mills	0	0	0	0
Paper mills	8	763,123	1,467,992	5,598,382
Paperboard mills	5	588,405	1,247,912	4,857,813
Paperboard container manufacturing	11	755,258	1,103,228	5,250,305
Paper bag and coated and treated paper manufacturing	2	146,180	246,459	946,131
Stationery product manufacturing	1	90,427	131,093	580,173
Sanitary paper product manufacturing	2	123,578	321,323	1,375,646
All other converted paper product manufacturing	1	67,350	96,115	409,710

Appendix

Printing	61	3,499,986	5,059,601	10,702,089
Support activities for printing	2	161,884	219,237	336,278
Petroleum refineries	1	284,044	1,272,394	7,935,942
Asphalt paving mixture and block manufacturing	1	206,412	282,991	1,192,784
Asphalt shingle and coating materials manufacturing	<1	120,796	296,463	791,034
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	32,660	91,530	306,629
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	56,479	92,608	298,251
Synthetic dye and pigment manufacturing	<1	10,970	17,105	65,613
Other basic inorganic chemical manufacturing	<1	14,068	24,727	118,444
Other basic organic chemical manufacturing	3	350,021	581,935	4,500,817
Plastics material and resin manufacturing	<1	108,761	159,119	1,218,439
Synthetic rubber manufacturing	<1	8,270	11,685	82,893
Artificial and synthetic fibers and filaments manufacturing	8	1,010,896	1,356,435	6,374,052
Nitrogenous fertilizer manufacturing	<1	9,563	17,947	74,894
Phosphatic fertilizer manufacturing	<1	3,372	5,900	26,077
Fertilizer mixing	<1	20,965	33,427	132,983
Pesticide and other agricultural chemical manufacturing	<1	49,369	113,486	738,323
Medicinal and botanical manufacturing	<1	12,767	16,566	61,608
Pharmaceutical preparation manufacturing	4	476,972	1,181,775	4,285,023
In-vitro diagnostic substance manufacturing	<1	20,885	26,428	84,877
Biological product (except diagnostic) manufacturing	<1	13,443	21,643	71,600
Paint and coating manufacturing	1	141,829	221,378	1,050,415
Adhesive manufacturing	<1	13,679	18,928	109,391
Soap and other detergent manufacturing	<1	109,290	244,651	869,703
Polish and other sanitation good manufacturing	<1	37,733	50,699	216,126
Surface active agent manufacturing	<1	46,921	108,679	343,070
Toilet preparation manufacturing	1	73,091	168,182	719,145
Printing ink manufacturing	2	246,194	267,141	1,076,514

Appendix

Explosives manufacturing	<1	22,658	25,095	80,386
Custom compounding of purchased resins	3	257,850	393,008	1,702,587
Photographic film and chemical manufacturing	2	180,206	312,558	1,340,604
Other miscellaneous chemical product manufacturing	1	118,167	165,933	729,938
Plastics packaging materials and unlaminated film and sheet manufacturing	6	545,644	1,053,933	3,195,233
Unlaminated plastics profile shape manufacturing	<1	11,072	29,906	83,009
Plastics pipe and pipe fitting manufacturing	<1	37,717	130,022	391,017
Laminated plastics plate, sheet (except packaging), and shape manufacturing	2	154,256	339,988	719,289
Polystyrene foam product manufacturing	<1	30,175	60,404	188,845
Urethane and other foam product (except polystyrene) manufacturing	<1	39,270	73,408	193,422
Plastics bottle manufacturing	<1	46,866	88,150	359,110
Other plastics product manufacturing	16	894,061	1,494,361	4,527,580
Tire manufacturing	8	682,629	1,195,242	3,993,211
Rubber and plastics hoses and belting manufacturing	<1	19,681	33,375	83,535
Other rubber product manufacturing	2	103,647	166,539	537,946
Pottery, ceramics, and plumbing fixture manufacturing	<1	6,578	11,222	39,493
Brick, tile, and other structural clay product manufacturing	2	145,152	294,089	580,993
Flat glass manufacturing	<1	33,878	86,768	215,711
Other pressed and blown glass and glassware manufacturing	<1	11,197	23,050	46,307
Glass container manufacturing	1	110,015	204,907	439,038
Glass product manufacturing made of purchased glass	1	70,530	141,155	341,571
Cement manufacturing	<1	54,921	163,903	359,210
Ready-mix concrete manufacturing	9	614,437	1,225,834	3,507,189
Concrete block and brick manufacturing	3	199,975	428,673	920,015
Concrete pipe manufacturing	3	202,040	397,864	867,259
Other concrete product manufacturing	14	994,421	1,554,736	3,370,894
Lime manufacturing	<1	62,896	185,029	400,257
Gypsum product manufacturing	2	154,379	498,575	1,077,065

Appendix

Abrasive product manufacturing	2	108,108	367,269	592,517
Cut stone and stone product manufacturing	3	162,775	207,337	435,189
Ground or treated mineral and earth manufacturing	<1	78,682	256,760	518,680
Mineral wool manufacturing	<1	6,419	18,436	39,301
Miscellaneous nonmetallic mineral products manufacturing	2	141,346	495,874	1,026,532
Iron and steel mills and ferroalloy manufacturing	4	434,446	844,097	4,677,284
Iron, steel pipe and tube manufacturing from purchased steel	<1	5,322	9,333	43,775
Rolled steel shape manufacturing	<1	10,166	23,021	152,163
Steel wire drawing	<1	4,735	6,875	28,630
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	61,485	129,495	664,871
Other aluminum rolling, drawing and extruding	<1	54,580	79,263	345,993
Nonferrous metal (exc aluminum) smelting and refining	<1	4,887	22,612	90,058
Copper rolling, drawing, extruding and alloying	<1	14,746	25,576	344,032
Nonferrous metal, except copper and aluminum, shaping	<1	13,597	17,332	82,918
Secondary processing of other nonferrous metals	<1	699	1,323	8,186
Ferrous metal foundries	<1	67,461	101,000	260,435
Nonferrous metal foundries	1	101,165	147,364	342,612
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	2	88,410	132,252	385,996
Iron and steel forging	<1	14,815	32,097	101,807
Nonferrous forging	<1	54,175	99,928	301,133
Cutlery, utensil, pot, and pan manufacturing	<1	72,081	292,233	585,737
Handtool manufacturing	<1	16,672	35,818	76,189
Prefabricated metal buildings and components manufacturing	4	298,902	529,740	1,453,361
Fabricated structural metal manufacturing	9	711,426	1,332,632	3,544,451
Plate work manufacturing	4	389,787	455,501	1,013,612
Metal window and door manufacturing	<1	48,330	80,102	183,399
Sheet metal work manufacturing	3	165,169	265,031	673,936

Appendix

Ornamental and architectural metal work manufacturing	3	188,098	292,667	679,076
Power boiler and heat exchanger manufacturing	<1	14,702	26,769	61,467
Metal tank (heavy gauge) manufacturing	<1	21,347	32,495	104,871
Metal cans manufacturing	<1	59,502	194,796	707,818
Metal barrels, drums and pails manufacturing	<1	3,510	5,063	18,124
Hardware manufacturing	<1	38,633	78,093	206,620
Spring and wire product manufacturing	2	122,748	206,412	551,343
Machine shops	8	475,480	674,338	1,370,853
Turned product and screw, nut, and bolt manufacturing	<1	30,140	56,250	142,335
Metal heat treating	<1	13,731	25,222	61,429
Metal coating and nonprecious engraving	1	75,379	180,347	391,125
Electroplating, anodizing, and coloring metal	2	133,484	168,055	370,674
Valve and fittings, other than plumbing, manufacturing	<1	6,504	13,526	32,761
Plumbing fixture fitting and trim manufacturing	<1	7,299	30,535	73,883
Ball and roller bearing manufacturing	<1	67,421	165,204	331,090
Small arms ammunition manufacturing	<1	48,584	143,148	239,216
Ammunition, except for small arms, manufacturing	<1	2,998	4,150	7,615
Small arms, ordnance, and accessories manufacturing	<1	21,129	55,630	113,880
Fabricated pipe and pipe fitting manufacturing	2	116,709	171,906	423,764
Other fabricated metal manufacturing	2	152,313	242,835	585,773
Farm machinery and equipment manufacturing	<1	1,884	3,023	13,503
Lawn and garden equipment manufacturing	<1	4,079	6,852	40,256
Construction machinery manufacturing	<1	2,894	5,959	23,175
Mining machinery and equipment manufacturing	<1	6,661	9,925	31,446
Oil and gas field machinery and equipment manufacturing	<1	1,324	2,022	6,134
Semiconductor machinery manufacturing	<1	2,562	2,960	10,854
Food product machinery manufacturing	<1	1,203	1,361	3,829

Appendix

Sawmill, woodworking, and paper machinery	<1	4,607	5,137	14,690
Printing machinery and equipment manufacturing	<1	650	731	3,047
All other industrial machinery manufacturing	<1	5,047	6,257	19,494
Optical instrument and lens manufacturing	<1	33,149	48,062	106,229
Photographic and photocopying equipment manufacturing	<1	1,916	2,475	11,328
Other commercial service industry machinery manufacturing	<1	17,803	27,708	92,038
Air purification and ventilation equipment manufacturing	<1	12,783	16,903	51,255
Heating equipment (except warm air furnaces) manufacturing	<1	46,343	65,916	228,605
Air conditioning, refrigeration, and warm air heating equipment manufacturing	2	172,620	287,683	892,293
Industrial mold manufacturing	<1	2,077	2,368	5,363
Special tool, die, jig, and fixture manufacturing	<1	7,844	9,813	22,938
Cutting tool and machine tool accessory manufacturing	<1	11,563	12,830	28,989
Machine tool manufacturing	<1	7,357	8,918	25,180
Rolling mill and other metalworking machinery manufacturing	<1	1,267	1,469	3,372
Turbine and turbine generator set units manufacturing	<1	88	110	327
Speed changer, industrial high-speed drive, and gear manufacturing	<1	40,810	57,416	159,882
Mechanical power transmission equipment manufacturing	<1	6,935	10,197	23,771
Other engine equipment manufacturing	<1	13,293	25,847	125,911
Pump and pumping equipment manufacturing	<1	22,147	36,211	109,525
Air and gas compressor manufacturing	<1	1,223	2,136	10,085
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	11,446	12,800	37,956
Overhead cranes, hoists, and monorail systems manufacturing	<1	3,249	4,770	18,568
Industrial truck, trailer, and stacker manufacturing	<1	11,091	16,731	50,913

Appendix

Power-driven handtool manufacturing	<1	68,215	156,228	506,231
Welding and soldering equipment manufacturing	<1	197	272	1,086
Packaging machinery manufacturing	<1	14,410	19,002	50,979
Industrial process furnace and oven manufacturing	<1	238	270	608
Fluid power cylinder and actuator manufacturing	<1	39,883	53,599	147,986
Fluid power pump and motor manufacturing	<1	2,468	3,655	11,065
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	5,170	6,195	19,547
Electronic computer manufacturing	<1	166,616	319,727	1,048,230
Computer storage device manufacturing	<1	6,684	15,249	46,202
Computer terminals and other computer peripheral equipment manufacturing	12	1,360,747	2,326,972	6,530,565
Telephone apparatus manufacturing	<1	3,320	5,046	15,402
Broadcast and wireless communications equipment manufacturing	<1	85,697	126,380	286,747
Other communications equipment manufacturing	<1	21,441	35,191	135,325
Audio and video equipment manufacturing	<1	19,329	30,921	74,369
Printed circuit assembly (electronic assembly) manufacturing	4	330,808	545,713	1,805,739
Bare printed circuit board manufacturing	<1	55,046	71,361	186,266
Semiconductor and related device manufacturing	8	929,618	1,491,600	4,532,802
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	17,946	25,672	83,518
Electronic connector manufacturing	5	348,351	527,188	1,746,848
Other electronic component manufacturing	2	88,619	119,802	408,772
Electromedical and electrotherapeutic apparatus manufacturing	<1	1,032	1,901	5,255
Search, detection, and navigation instruments manufacturing	<1	58,459	94,525	163,689
Automatic environmental control manufacturing	<1	6,962	9,170	19,054

Appendix

Industrial process variable instruments manufacturing	<1	13,713	21,281	58,568
Totalizing fluid meter and counting device manufacturing	<1	6,033	12,109	27,282
Electricity and signal testing instruments manufacturing	<1	3,854	6,035	21,621
Analytical laboratory instrument manufacturing	3	265,950	440,695	1,061,515
Irradiation apparatus manufacturing	<1	373	702	1,872
Watch, clock, and other measuring and controlling device manufacturing	<1	13,646	23,885	56,944
Blank magnetic and optical recording media manufacturing	<1	236	674	3,514
Software and other prerecorded and record reproducing	<1	17,321	24,310	53,929
Electric lamp bulb and part manufacturing	<1	14,111	28,146	105,804
Lighting fixture manufacturing	1	100,578	148,668	453,753
Small electrical appliance manufacturing	<1	435	980	4,838
Household cooking appliance manufacturing	<1	1,355	2,957	14,253
Household refrigerator and home freezer manufacturing	<1	1,260	2,837	13,133
Household laundry equipment manufacturing	<1	2,958	5,258	32,522
Other major household appliance manufacturing	<1	550	1,300	5,590
Power, distribution, and specialty transformer manufacturing	<1	37,626	55,799	155,213
Motor and generator manufacturing	2	148,986	252,496	797,229
Switchgear and switchboard apparatus manufacturing	<1	68,124	115,575	353,222
Relay and industrial control manufacturing	<1	96,762	130,670	301,346
Storage battery manufacturing	<1	1,993	2,827	8,012
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	1	76,306	95,790	457,505
Other communication and energy wire manufacturing	<1	24,134	36,588	142,658
Wiring device manufacturing	1	89,949	167,202	502,258
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	2	169,283	192,881	534,307
Automobile manufacturing	<1	975	3,872	10,111

Appendix

Light truck and utility vehicle manufacturing	<1	962	2,089	14,766
Heavy duty truck manufacturing	<1	8,840	24,589	108,226
Motor vehicle body manufacturing	<1	10,863	15,455	61,985
Truck trailer manufacturing	<1	2,333	3,100	14,288
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	3	185,073	208,834	869,548
Motor vehicle gasoline engine and engine parts manufacturing	4	343,301	549,284	2,484,590
Motor vehicle electrical and electronic equipment manufacturing	3	124,068	172,059	1,165,575
Motor vehicle transmission and power train parts manufacturing	5	365,097	600,521	2,888,257
Motor vehicle seating and interior trim manufacturing	1	65,774	82,894	503,289
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	9	771,625	1,102,080	4,539,679
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	8	556,858	971,836	4,052,547
Aircraft manufacturing	247	35,763,291	77,494,939	239,098,900
Aircraft engine and engine parts manufacturing	6	693,811	1,896,058	4,196,062
Other aircraft parts and auxiliary equipment manufacturing	8	687,305	1,115,976	2,766,935
Guided missile and space vehicle manufacturing	<1	78	136	217
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,592	2,936	5,116
Railroad rolling stock manufacturing	<1	15,353	19,985	88,027
Ship building and repairing	1	126,906	166,699	370,620
Boat building	<1	16,027	23,688	87,409
Motorcycle, bicycle, and parts manufacturing	<1	1,255	4,897	12,850
Military armored vehicle, tank, and tank component manufacturing	<1	46,621	112,152	352,725
All other transportation equipment manufacturing	<1	7,446	16,129	62,973
Wood kitchen cabinet and countertop manufacturing	6	258,514	499,306	1,006,897
Upholstered household furniture manufacturing	3	131,856	173,730	612,661

Appendix

Nonupholstered wood household furniture manufacturing	3	135,261	200,981	475,486
Other household nonupholstered furniture manufacturing	<1	10,878	25,022	66,164
Institutional furniture manufacturing	<1	1,728	2,167	7,324
Wood office furniture manufacturing	<1	2,125	4,230	11,792
Custom architectural woodwork and millwork	<1	12,652	12,780	34,110
Office furniture, except wood, manufacturing	2	105,195	286,168	680,378
Showcase, partition, shelving, and locker manufacturing	<1	32,796	69,255	164,780
Mattress manufacturing	<1	51,933	154,829	386,352
Blind and shade manufacturing	<1	5,331	6,076	20,327
Surgical and medical instrument manufacturing	<1	53,632	89,298	220,040
Surgical appliance and supplies manufacturing	1	85,776	152,493	433,206
Dental equipment and supplies manufacturing	<1	1,486	2,248	5,204
Ophthalmic goods manufacturing	<1	35,003	60,112	106,836
Dental laboratories	1	58,813	61,225	116,773
Jewelry and silverware manufacturing	2	57,691	101,611	302,173
Sporting and athletic goods manufacturing	1	53,690	72,680	259,098
Doll, toy, and game manufacturing	<1	1,432	2,220	12,441
Office supplies (except paper) manufacturing	<1	8,107	11,366	48,144
Sign manufacturing	3	172,098	148,010	423,232
Gasket, packing, and sealing device manufacturing	1	66,271	80,813	239,450
Musical instrument manufacturing	<1	8,828	9,545	28,459
Fasteners, buttons, needles, and pins manufacturing	<1	4,950	6,286	16,207
Broom, brush, and mop manufacturing	<1	30,728	42,147	139,682
Burial casket manufacturing	<1	6,057	7,432	17,709
All other miscellaneous manufacturing	12	811,930	1,041,480	2,782,526
Wholesale - Motor vehicle and motor vehicle parts and supplies	26	1,750,284	4,366,700	9,568,080
Wholesale - Professional and commercial equipment and supplies	62	8,427,795	13,410,712	21,134,499

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Wholesale - Household appliances and electrical and electronic goods	41	4,352,420	11,043,481	21,212,684
Wholesale - Machinery, equipment, and supplies	57	4,789,071	9,946,781	16,582,681
Wholesale - Other durable goods merchant wholesalers	95	7,294,200	13,513,721	24,992,422
Wholesale - Drugs and druggists' sundries	17	2,117,907	6,681,936	12,504,137
Wholesale - Grocery and related product wholesalers	58	4,065,590	5,857,734	11,369,424
Wholesale - Petroleum and petroleum products	20	1,645,879	26,856,304	30,600,677
Wholesale - Other nondurable goods merchant wholesalers	80	5,607,619	13,714,859	24,738,116
Wholesale - Wholesale electronic markets and agents and brokers	61	9,051,774	9,430,268	10,575,563
Retail - Motor vehicle and parts dealers	111	6,796,493	10,694,066	15,463,213
Retail - Furniture and home furnishings stores	79	3,356,760	4,488,337	7,316,955
Retail - Electronics and appliance stores	67	3,821,218	3,807,403	6,268,605
Retail - Building material and garden equipment and supplies stores	124	4,974,446	9,386,172	14,033,571
Retail - Food and beverage stores	331	10,319,795	14,216,607	23,692,364
Retail - Health and personal care stores	138	5,774,833	7,333,946	11,543,287
Retail - Gasoline stores	243	6,500,096	11,967,594	23,583,351
Retail - Clothing and clothing accessories stores	157	3,757,797	6,376,856	13,734,413
Retail - Sporting goods, hobby, musical instrument and book stores	98	2,343,818	3,272,018	5,562,047
Retail - General merchandise stores	345	10,427,424	15,607,962	25,709,024
Retail - Miscellaneous store retailers	189	4,320,997	5,487,224	9,279,440
Retail - Nonstore retailers	255	5,221,947	20,293,124	41,311,497
Air transportation	45	4,825,771	11,689,198	19,452,319
Rail transportation	33	3,572,602	8,169,036	15,223,699
Water transportation	6	976,784	1,943,152	4,922,529
Truck transportation	3,125	207,045,263	245,892,424	485,528,196
Transit and ground passenger transportation	215	3,687,706	3,633,908	5,946,976
Pipeline transportation	6	1,919,936	4,150,704	4,715,479
Scenic and sightseeing transportation and support activities for transportation	270	18,533,702	20,466,663	40,857,180

Appendix

Couriers and messengers	332	10,210,786	15,277,308	27,251,848
Warehousing and storage	233	10,624,991	12,146,128	22,371,292
Newspaper publishers	25	1,902,654	3,437,923	4,066,262
Periodical publishers	20	2,351,593	3,914,502	5,270,047
Book publishers	6	506,905	1,707,041	2,639,047
Directory, mailing list, and other publishers	6	463,506	1,404,408	1,889,365
Greeting card publishing	<1	9,545	28,561	39,013
Software publishers	496	78,187,241	186,614,714	202,706,006
Motion picture and video industries	35	3,444,192	4,128,830	9,116,898
Sound recording industries	3	329,827	731,791	1,748,712
Radio and television broadcasting	38	3,875,465	4,811,417	14,997,167
Cable and other subscription programming	15	1,370,616	8,906,203	23,663,170
Wired telecommunications carriers	63	1,337,515	13,431,450	27,200,867
Wireless telecommunications carriers (except satellite)	16	-53,357	10,540,768	28,444,067
Satellite, telecommunications resellers, and all other telecommunications	19	891,302	2,035,038	7,062,304
Data processing, hosting, and related services	107	15,631,058	30,432,195	62,931,446
News syndicates, libraries, archives and all other information services	12	802,453	1,386,023	2,816,136
Internet publishing and broadcasting and web search portals	79	19,318,934	43,018,615	101,647,872
Nondepository credit intermediation and related activities	147	20,416,276	27,449,610	39,759,873
Securities and commodity contracts intermediation and brokerage	155	12,935,299	10,814,754	21,042,533
Monetary authorities and depository credit intermediation	195	18,545,460	64,598,182	95,588,412
Other financial investment activities	197	14,470,429	16,836,129	42,631,960
Direct life insurance carriers	12	1,224,855	2,016,726	3,057,495
Insurance carriers, except direct life	189	15,773,234	39,503,581	100,162,960
Insurance agencies, brokerages, and related activities	198	17,237,574	23,828,602	56,806,329
Funds, trusts, and other financial vehicles	62	3,044,058	4,147,872	19,066,352
Other real estate	1,027	23,902,797	88,951,048	209,600,865
Tenant-occupied housing	132	2,990,772	53,041,887	58,983,918

Appendix

Owner-occupied dwellings	0	0	174,839,515	221,951,082
Automotive equipment rental and leasing	33	1,834,645	6,765,434	9,240,977
General and consumer goods rental except video tapes and discs	49	2,792,431	3,912,370	6,619,899
Video tape and disc rental	10	448,756	778,954	1,262,197
Commercial and industrial machinery and equipment rental and leasing	45	3,885,241	12,212,917	16,528,275
Lessors of nonfinancial intangible assets	4	46,851	6,665,151	7,599,231
Legal services	197	20,423,717	36,220,898	47,151,849
Accounting, tax preparation, bookkeeping, and payroll services	191	18,868,484	27,590,339	36,129,835
Architectural, engineering, and related services	191	20,196,624	23,072,682	36,026,982
Specialized design services	16	1,314,766	2,411,434	3,301,155
Custom computer programming services	54	6,688,577	6,956,954	9,060,073
Computer systems design services	125	16,132,233	15,668,779	18,900,556
Other computer related services, including facilities management	40	4,331,376	7,911,637	12,297,471
Management consulting services	1,640	205,374,068	215,483,986	302,294,390
Environmental and other technical consulting services	54	5,999,242	6,388,740	8,704,033
Scientific research and development services	1,521	161,673,767	188,698,344	353,078,999
Advertising, public relations, and related services	139	11,057,718	16,944,261	27,343,425
Photographic services	7	252,356	744,865	1,369,695
Veterinary services	38	1,824,546	2,457,516	3,711,920
Marketing research and all other miscellaneous professional, scientific, and technical services	102	10,393,481	22,306,236	33,467,867
Management of companies and enterprises	439	64,322,588	76,390,940	116,194,825
Office administrative services	109	11,386,674	6,333,632	10,586,954
Facilities support services	177	16,292,896	23,669,413	38,334,068
Employment services	771	43,960,959	62,626,970	84,873,566
Business support services	187	10,833,645	9,466,052	14,978,296
Travel arrangement and reservation services	31	2,106,234	2,683,926	5,556,075
Investigation and security services	144	8,490,164	8,308,289	10,839,225
Services to buildings	241	8,347,612	11,151,427	19,974,383
Landscape and horticultural services	172	8,273,497	9,863,457	16,217,650

Appendix

Other support services	47	2,527,103	3,168,369	5,789,349
Waste management and remediation services	43	3,097,465	5,442,602	9,910,772
Elementary and secondary schools	149	6,187,568	5,481,135	6,518,950
Junior colleges, colleges, universities, and professional schools	1,900	81,505,846	113,868,103	153,112,250
Other educational services	134	6,228,229	7,024,807	12,459,776
Offices of physicians	394	42,979,914	45,309,801	63,295,491
Offices of dentists	117	8,536,980	10,868,130	14,947,323
Offices of other health practitioners	113	6,502,593	9,661,800	12,738,419
Outpatient care centers	108	7,641,567	7,066,390	12,200,906
Medical and diagnostic laboratories	39	2,998,300	4,423,551	6,344,868
Home health care services	196	7,549,774	7,300,591	9,796,108
Other ambulatory health care services	36	2,259,003	2,547,580	4,076,817
Hospitals	575	45,025,662	53,682,162	104,866,923
Nursing and community care facilities	245	10,609,284	11,610,669	20,029,381
Residential mental retardation, mental health, substance abuse and other facilities	85	3,621,513	3,839,813	5,970,634
Individual and family services	355	10,055,724	8,840,374	13,360,710
Child day care services	153	4,255,194	6,359,722	8,573,609
Community food, housing, and other relief services, including rehabilitation services	81	2,936,723	2,913,405	6,248,479
Performing arts companies	48	1,191,686	1,710,729	3,143,912
Commercial Sports Except Racing	108	3,403,326	3,140,751	5,132,795
Racing and Track Operation	7	229,876	426,254	707,064
Independent artists, writers, and performers	45	1,235,691	3,938,749	5,815,586
Promoters of performing arts and sports and agents for public figures	72	1,921,144	3,497,943	6,879,993
Museums, historical sites, zoos, and parks	18	728,118	959,787	1,682,123
Amusement parks and arcades	19	352,107	1,080,775	1,537,469
Gambling industries (except casino hotels)	46	1,471,536	2,908,992	5,244,198
Other amusement and recreation industries	85	1,901,044	2,202,990	4,421,612
Fitness and recreational sports centers	89	1,466,599	2,148,552	4,200,865
Bowling centers	10	205,700	346,347	629,036

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Hotels and motels, including casino hotels	99	3,387,484	6,336,760	10,239,929
Other accommodations	23	887,858	1,250,372	1,701,233
Full-service restaurants	721	18,641,330	27,891,393	47,531,175
Limited-service restaurants	623	12,999,660	21,661,979	47,131,741
All other food and drinking places	320	10,491,885	15,020,924	22,083,309
Automotive repair and maintenance, except car washes	390	21,650,260	22,625,621	34,478,299
Car washes	109	5,773,136	9,057,387	13,579,514
Electronic and precision equipment repair and maintenance	1,787	137,711,530	162,034,625	254,381,213
Commercial and industrial machinery and equipment repair and maintenance	71	5,532,099	5,585,877	8,232,346
Personal and household goods repair and maintenance	39	1,685,816	3,178,342	4,658,841
Personal care services	241	6,843,599	5,389,591	7,584,843
Death care services	47	1,468,815	564,729	1,059,388
Dry-cleaning and laundry services	125	3,763,223	1,270,285	2,261,714
Other personal services	132	3,830,116	4,722,660	7,093,517
Religious organizations	290	14,818,728	5,569,797	23,125,461
Grantmaking, giving, and social advocacy organizations	49	3,623,412	10,381,516	15,225,015
Business and professional associations	36	3,953,363	6,343,072	9,884,435
Labor and civic organizations	102	3,139,883	8,086,059	14,528,624
Private households	113	2,272,547	2,272,201	2,272,201
Postal service	117	10,707,437	10,708,261	11,391,572
Federal electric utilities	0	0	0	0
Other federal government enterprises	246	8,105,917	7,157,245	46,469,889
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	62	6,644,857	-933,109	5,259,001
Local government electric utilities	2	261,706	799,324	1,424,080
Other local government enterprises	125	11,011,704	26,302,483	47,033,753
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2,489	452,648,170	529,752,735	1,208,954,552

Moon to Mars Campaign

Table 764: Detailed M2M Campaign Impacts by Types of Impact, Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,392</i>	<i>262,662,022</i>	<i>425,250,392</i>	<i>899,885,182</i>
Oilseed farming	<1	-9,240	131,294	229,011
Grain farming	2	6,502	53,837	236,007
Vegetable and melon farming	<1	6,143	28,272	56,419
Fruit farming	<1	3,999	24,687	36,345
Tree nut farming	<1	56	326	454
Greenhouse, nursery, and floriculture production	2	25,346	50,058	93,697
Tobacco farming	<1	14,661	23,549	44,047
Cotton farming	<1	1,133	2,119	4,136
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	7	16,647	33,506	72,383
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	2	-1,213	34,134	121,824
Dairy cattle and milk production	<1	2,553	20,869	125,049
Poultry and egg production	1	14,296	40,962	319,023
Animal production, except cattle and poultry and eggs	4	2,828	129,004	187,931
Forestry, forest products, and timber tract production	<1	15,833	16,061	19,353
Commercial logging	4	349,313	308,591	451,281
Commercial fishing	<1	34,066	40,273	54,286
Commercial hunting and trapping	<1	10,928	11,919	14,676
Support activities for agriculture and forestry	3	80,623	71,067	96,953
Oil and gas extraction	2	61,951	36,369	685,363

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Coal mining	<1	24,962	61,562	112,036
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	1,181	2,079	3,920
Stone mining and quarrying	2	181,924	564,422	1,017,474
Sand and gravel mining	<1	52,935	111,845	216,422
Other clay, ceramic, refractory minerals mining	<1	6,876	14,077	28,279
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	10,065	19,803	37,455
Drilling oil and gas wells	<1	13	11	72
Support activities for oil and gas operations	<1	139	127	484
Metal mining services	<1	1,251	1,008	14,580
Other nonmetallic minerals services	<1	679	805	6,091
Electric power generation - Hydroelectric	<1	12,535	47,336	85,913
Electric power generation - Fossil fuel	<1	154,835	678,137	1,359,479
Electric power generation - Nuclear	2	394,398	1,011,172	1,819,323
Electric power generation - Solar	<1	3,102	16,204	32,716
Electric power generation - Wind	<1	971	10,226	15,742
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	5,773	33,968	75,844
Electric power generation - All other	<1	1,600	1,467	2,936
Electric power transmission and distribution	4	739,724	3,036,143	5,745,415
Natural gas distribution	<1	174,605	602,006	1,051,831
Water, sewage and other systems	<1	25,448	58,321	88,492
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	698	46,041,477	52,453,471	110,965,816
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	8	510,672	795,709	1,754,065
Maintenance and repair construction of residential structures	5	295,097	447,500	992,882
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	276	427	955
Dog and cat food manufacturing	<1	9,061	49,631	142,257
Other animal food manufacturing	<1	9,397	24,095	158,870
Flour milling	<1	4,737	14,180	67,859
Rice milling	0	0	0	0
Malt manufacturing	<1	987	2,964	11,564
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	2,414	7,821	52,621
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	791	3,752	15,625
Nonchocolate confectionery manufacturing	<1	422	974	9,268
Chocolate and confectionery manufacturing from cacao beans	<1	49	113	1,048
Confectionery manufacturing from purchased chocolate	<1	21,506	40,824	108,795
Frozen fruits, juices and vegetables manufacturing	<1	7,954	26,564	67,639
Frozen specialties manufacturing	<1	13,449	25,442	80,930
Canned fruits and vegetables manufacturing	<1	10,136	33,577	104,557

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	1,026	2,845	7,548
Cheese manufacturing	<1	1,375	2,683	17,663
Dry, condensed, and evaporated dairy product manufacturing	<1	20,116	85,725	308,067
Fluid milk manufacturing	<1	30,154	72,887	311,199
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,085	2,105	8,160
Frozen cakes and other pastries manufacturing	<1	29,353	44,109	81,776
Poultry processing	2	105,622	168,411	674,971
Animal, except poultry, slaughtering	<1	38,063	60,215	462,922
Meat processed from carcasses	<1	46,449	49,402	433,518
Rendering and meat byproduct processing	<1	1,338	1,679	7,999
Seafood product preparation and packaging	<1	21,656	37,697	161,815
Bread and bakery product, except frozen, manufacturing	2	69,866	119,461	286,981
Cookie and cracker manufacturing	<1	45,650	98,204	206,292
Dry pasta, mixes, and dough manufacturing	<1	4,975	18,658	48,651
Tortilla manufacturing	<1	1,536	2,337	6,720
Roasted nuts and peanut butter manufacturing	<1	14,777	58,736	132,844
Other snack food manufacturing	<1	23,828	89,456	243,097
Coffee and tea manufacturing	<1	13,314	40,115	131,898
Flavoring syrup and concentrate manufacturing	<1	1,529	23,706	36,419
Mayonnaise, dressing, and sauce manufacturing	<1	1,155	3,456	9,573
Spice and extract manufacturing	<1	14,632	37,381	68,786
All other food manufacturing	<1	18,793	38,696	135,770
Bottled and canned soft drinks & water	<1	44,175	112,521	405,569
Manufactured ice	<1	2,202	2,343	6,548
Breweries	<1	58,815	217,589	447,424
Wineries	1	43,801	110,100	403,869
Distilleries	<1	5,519	59,881	108,308
Tobacco product manufacturing	<1	29,337	1,452,810	1,697,636
Fiber, yarn, and thread mills	<1	21,803	37,418	154,121
Broadwoven fabric mills	<1	14,540	27,083	89,103
Narrow fabric mills and schiffli machine embroidery	<1	1,868	2,177	8,766

Appendix

Nonwoven fabric mills	<1	27,429	52,604	157,908
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	3,133	4,208	17,415
Fabric coating mills	<1	20,317	26,932	114,325
Carpet and rug mills	2	126,163	209,311	784,711
Curtain and linen mills	<1	7,852	10,700	35,053
Textile bag and canvas mills	<1	4,314	5,326	13,895
Rope, cordage, twine, tire cord and tire fabric mills	<1	886	1,433	3,863
Other textile product mills	<1	27,195	34,207	95,066
Hosiery and sock mills	<1	216	438	961
Other apparel knitting mills	<1	867	1,098	2,565
Cut and sew apparel contractors	<1	2,981	3,071	6,609
Mens and boys cut and sew apparel manufacturing	<1	7,203	6,875	13,989
Womens and girls cut and sew apparel manufacturing	<1	1,586	1,453	6,601
Other cut and sew apparel manufacturing	<1	4,380	3,656	13,169
Apparel accessories and other apparel manufacturing	<1	2,013	1,921	5,466
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	231	256	1,145
Other leather and allied product manufacturing	<1	643	670	2,378
Sawmills	6	303,305	523,366	1,812,704
Wood preservation	<1	46,609	144,454	428,982
Veneer and plywood manufacturing	2	97,925	166,218	510,079
Engineered wood member and truss manufacturing	2	89,252	145,288	411,522
Reconstituted wood product manufacturing	<1	54,684	144,009	424,477
Wood windows and door manufacturing	3	161,301	247,755	683,062
Cut stock, resawing lumber, and planing	<1	39,993	80,231	213,185
Other millwork, including flooring	2	81,317	146,706	375,720
Wood container and pallet manufacturing	<1	25,021	37,580	96,139
Manufactured home (mobile home) manufacturing	<1	147	214	776
Prefabricated wood building manufacturing	2	98,494	137,374	386,741
All other miscellaneous wood product manufacturing	<1	14,367	24,195	68,526
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	56,903	101,601	413,669
Paperboard mills	<1	50,746	102,915	419,728
Paperboard container manufacturing	2	147,777	212,700	1,003,020
Paper bag and coated and treated paper manufacturing	<1	18,895	30,171	118,021
Stationery product manufacturing	<1	6,832	9,734	41,921
Sanitary paper product manufacturing	<1	11,703	28,278	127,414
All other converted paper product manufacturing	<1	5,967	8,417	37,327
Printing	5	317,846	467,840	943,894
Support activities for printing	<1	16,322	22,064	33,321
Petroleum refineries	<1	19,656	87,240	538,324
Asphalt paving mixture and block manufacturing	<1	100,240	142,553	571,799
Asphalt shingle and coating materials manufacturing	<1	53,983	139,325	351,209
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	4,097	10,870	35,863
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	4,737	7,973	24,906
Synthetic dye and pigment manufacturing	<1	1,893	3,062	11,892
Other basic inorganic chemical manufacturing	<1	1,837	3,476	15,931
Other basic organic chemical manufacturing	<1	37,238	61,921	493,408
Plastics material and resin manufacturing	<1	16,477	24,405	187,603
Synthetic rubber manufacturing	<1	1,432	2,042	14,777
Artificial and synthetic fibers and filaments manufacturing	2	248,883	324,313	1,547,708
Nitrogenous fertilizer manufacturing	<1	4,590	9,000	34,404
Phosphatic fertilizer manufacturing	<1	1,491	2,654	11,629
Fertilizer mixing	<1	7,959	13,423	51,773
Pesticide and other agricultural chemical manufacturing	<1	3,824	8,856	58,868
Medicinal and botanical manufacturing	<1	1,553	2,109	7,236
Pharmaceutical preparation manufacturing	<1	58,749	152,344	525,404
In-vitro diagnostic substance manufacturing	<1	3,667	4,697	15,076

Appendix

Biological product (except diagnostic) manufacturing	<1	2,113	3,627	11,227
Paint and coating manufacturing	<1	44,897	73,366	340,189
Adhesive manufacturing	<1	5,742	8,404	45,270
Soap and other detergent manufacturing	<1	11,490	28,457	85,878
Polish and other sanitation good manufacturing	<1	4,166	5,855	23,254
Surface active agent manufacturing	<1	4,473	11,526	33,159
Toilet preparation manufacturing	<1	8,461	20,492	83,908
Printing ink manufacturing	<1	25,261	27,473	110,890
Explosives manufacturing	<1	4,963	5,526	16,959
Custom compounding of purchased resins	1	90,877	159,187	626,950
Photographic film and chemical manufacturing	<1	13,931	25,335	104,477
Other miscellaneous chemical product manufacturing	<1	28,676	41,845	183,719
Plastics packaging materials and unlaminated film and sheet manufacturing	1	109,260	209,919	627,334
Unlaminated plastics profile shape manufacturing	<1	1,332	3,603	9,688
Plastics pipe and pipe fitting manufacturing	<1	22,920	78,898	235,629
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	23,869	52,458	110,826
Polystyrene foam product manufacturing	<1	5,924	11,861	37,391
Urethane and other foam product (except polystyrene) manufacturing	<1	7,769	14,557	38,175
Plastics bottle manufacturing	<1	5,786	10,891	42,886
Other plastics product manufacturing	3	203,515	341,045	998,383
Tire manufacturing	<1	51,202	90,801	311,767
Rubber and plastics hoses and belting manufacturing	<1	2,000	3,378	8,548
Other rubber product manufacturing	<1	18,229	29,264	96,464
Pottery, ceramics, and plumbing fixture manufacturing	<1	4,129	6,746	24,553
Brick, tile, and other structural clay product manufacturing	1	75,557	147,402	300,438
Flat glass manufacturing	<1	23,156	56,723	144,806
Other pressed and blown glass and glassware manufacturing	<1	1,336	2,670	5,339
Glass container manufacturing	<1	9,365	16,878	37,178

Appendix

Glass product manufacturing made of purchased glass	<1	8,159	15,933	39,210
Cement manufacturing	<1	36,545	105,644	236,199
Ready-mix concrete manufacturing	5	374,994	730,101	2,098,092
Concrete block and brick manufacturing	2	162,861	330,958	744,461
Concrete pipe manufacturing	2	163,698	310,897	711,121
Other concrete product manufacturing	10	703,620	1,068,094	2,394,804
Lime manufacturing	<1	7,944	23,633	51,263
Gypsum product manufacturing	<1	42,019	129,653	287,233
Abrasive product manufacturing	<1	58,741	180,378	296,814
Cut stone and stone product manufacturing	<1	32,324	40,919	85,667
Ground or treated mineral and earth manufacturing	<1	24,204	77,555	157,709
Mineral wool manufacturing	<1	4,944	13,739	28,565
Miscellaneous nonmetallic mineral products manufacturing	2	144,423	465,830	956,402
Iron and steel mills and ferroalloy manufacturing	3	291,114	537,197	3,207,304
Iron, steel pipe and tube manufacturing from purchased steel	<1	4,931	8,314	38,971
Rolled steel shape manufacturing	<1	6,516	14,245	101,748
Steel wire drawing	<1	4,405	6,343	26,739
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	33,825	67,303	374,666
Other aluminum rolling, drawing and extruding	<1	28,516	39,896	176,649
Nonferrous metal (exc aluminum) smelting and refining	<1	793	3,399	14,247
Copper rolling, drawing, extruding and alloying	<1	7,517	12,860	163,893
Nonferrous metal, except copper and aluminum, shaping	<1	3,358	4,125	20,792
Secondary processing of other nonferrous metals	<1	241	379	2,570
Ferrous metal foundries	<1	13,215	19,433	51,938
Nonferrous metal foundries	<1	25,864	36,174	85,233
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	14,666	21,906	62,747
Iron and steel forging	<1	7,377	15,800	49,590

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Nonferrous forging	<1	28,208	50,861	149,196
Cutlery, utensil, pot, and pan manufacturing	<1	13,207	53,776	107,465
Handtool manufacturing	<1	3,795	8,110	16,798
Prefabricated metal buildings and components manufacturing	5	345,953	556,912	1,652,302
Fabricated structural metal manufacturing	6	442,339	804,298	2,162,979
Plate work manufacturing	<1	84,557	98,902	218,797
Metal window and door manufacturing	<1	38,893	63,415	144,775
Sheet metal work manufacturing	<1	45,858	72,850	183,145
Ornamental and architectural metal work manufacturing	2	112,569	170,996	397,738
Power boiler and heat exchanger manufacturing	<1	9,939	17,342	41,007
Metal tank (heavy gauge) manufacturing	<1	27,450	41,113	129,182
Metal cans manufacturing	<1	7,996	26,193	94,102
Metal barrels, drums and pails manufacturing	<1	932	1,346	4,623
Hardware manufacturing	<1	16,332	32,372	85,553
Spring and wire product manufacturing	3	176,525	277,144	759,444
Machine shops	2	93,555	132,418	267,306
Turned product and screw, nut, and bolt manufacturing	<1	17,462	31,934	79,521
Metal heat treating	<1	4,439	8,036	19,637
Metal coating and nonprecious engraving	<1	22,875	53,734	117,746
Electroplating, anodizing, and coloring metal	<1	44,392	55,579	122,367
Valve and fittings, other than plumbing, manufacturing	<1	4,259	9,019	21,675
Plumbing fixture fitting and trim manufacturing	<1	4,457	18,432	43,989
Ball and roller bearing manufacturing	<1	30,889	73,286	142,909
Small arms ammunition manufacturing	<1	5,490	16,406	25,877
Ammunition, except for small arms, manufacturing	<1	828	1,139	2,070
Small arms, ordnance, and accessories manufacturing	<1	3,344	8,646	16,983
Fabricated pipe and pipe fitting manufacturing	<1	66,255	94,656	239,364
Other fabricated metal manufacturing	<1	54,428	86,488	206,488
Farm machinery and equipment manufacturing	<1	173	287	1,219

Appendix

Lawn and garden equipment manufacturing	<1	663	1,167	6,316
Construction machinery manufacturing	<1	862	1,957	6,962
Mining machinery and equipment manufacturing	<1	1,253	1,859	5,759
Oil and gas field machinery and equipment manufacturing	<1	129	200	605
Semiconductor machinery manufacturing	<1	246	285	1,027
Food product machinery manufacturing	<1	651	761	2,169
Sawmill, woodworking, and paper machinery	<1	388	442	1,232
Printing machinery and equipment manufacturing	<1	228	259	1,034
All other industrial machinery manufacturing	<1	2,243	2,824	8,631
Optical instrument and lens manufacturing	<1	702	934	2,635
Photographic and photocopying equipment manufacturing	<1	247	323	1,450
Other commercial service industry machinery manufacturing	<1	18,589	29,378	94,243
Air purification and ventilation equipment manufacturing	<1	8,682	11,794	35,875
Heating equipment (except warm air furnaces) manufacturing	<1	15,826	23,770	74,001
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	61,808	106,826	316,786
Industrial mold manufacturing	<1	553	641	1,424
Special tool, die, jig, and fixture manufacturing	<1	3,855	4,980	11,215
Cutting tool and machine tool accessory manufacturing	<1	5,169	5,814	13,030
Machine tool manufacturing	<1	4,191	5,232	14,768
Rolling mill and other metalworking machinery manufacturing	<1	142	167	376
Turbine and turbine generator set units manufacturing	<1	57	73	196
Speed changer, industrial high-speed drive, and gear manufacturing	<1	5,042	7,310	18,966
Mechanical power transmission equipment manufacturing	<1	856	1,285	2,926
Other engine equipment manufacturing	<1	1,433	2,944	12,266

Appendix

Pump and pumping equipment manufacturing	<1	19,727	33,049	98,099
Air and gas compressor manufacturing	<1	315	637	3,299
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	2,833	3,207	9,422
Overhead cranes, hoists, and monorail systems manufacturing	<1	9,535	17,140	59,448
Industrial truck, trailer, and stacker manufacturing	<1	1,907	2,926	8,706
Power-driven handtool manufacturing	<1	16,526	38,908	115,962
Welding and soldering equipment manufacturing	<1	122	176	571
Packaging machinery manufacturing	<1	2,365	3,240	8,364
Industrial process furnace and oven manufacturing	<1	134	155	339
Fluid power cylinder and actuator manufacturing	<1	40,035	54,406	151,163
Fluid power pump and motor manufacturing	<1	6,855	10,333	30,505
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,672	4,485	13,567
Electronic computer manufacturing	<1	77,903	175,559	506,885
Computer storage device manufacturing	<1	789	1,809	5,487
Computer terminals and other computer peripheral equipment manufacturing	<1	111,934	194,665	536,387
Telephone apparatus manufacturing	<1	359	547	1,650
Broadcast and wireless communications equipment manufacturing	<1	65,894	98,661	217,052
Other communications equipment manufacturing	<1	4,640	7,502	29,532
Audio and video equipment manufacturing	<1	2,596	4,128	9,697
Printed circuit assembly (electronic assembly) manufacturing	<1	69,465	118,231	380,657
Bare printed circuit board manufacturing	<1	4,390	5,685	15,424
Semiconductor and related device manufacturing	5	567,807	924,515	2,642,255

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	2,589	3,746	12,027
Electronic connector manufacturing	<1	21,768	32,974	110,426
Other electronic component manufacturing	<1	10,917	14,835	49,038
Electromedical and electrotherapeutic apparatus manufacturing	<1	134	244	662
Search, detection, and navigation instruments manufacturing	1	214,099	343,221	577,639
Automatic environmental control manufacturing	<1	2,957	3,885	8,251
Industrial process variable instruments manufacturing	<1	7,717	11,998	32,687
Totalizing fluid meter and counting device manufacturing	<1	844	1,694	3,816
Electricity and signal testing instruments manufacturing	<1	1,144	1,791	6,347
Analytical laboratory instrument manufacturing	<1	53,900	89,240	209,336
Irradiation apparatus manufacturing	<1	51	96	250
Watch, clock, and other measuring and controlling device manufacturing	<1	13,291	23,395	57,576
Blank magnetic and optical recording media manufacturing	<1	55	159	702
Software and other prerecorded and record reproducing	<1	1,842	2,595	5,270
Electric lamp bulb and part manufacturing	<1	2,382	4,951	17,777
Lighting fixture manufacturing	1	103,280	148,509	442,557
Small electrical appliance manufacturing	<1	167	395	1,861
Household cooking appliance manufacturing	<1	121	288	1,336
Household refrigerator and home freezer manufacturing	<1	122	300	1,333
Household laundry equipment manufacturing	<1	266	505	3,042
Other major household appliance manufacturing	<1	223	595	2,399
Power, distribution, and specialty transformer manufacturing	<1	5,609	8,405	22,617
Motor and generator manufacturing	<1	40,570	67,934	215,777
Switchgear and switchboard apparatus manufacturing	<1	27,335	46,900	139,039

Appendix

Relay and industrial control manufacturing	<1	42,926	58,923	132,033
Storage battery manufacturing	<1	252	348	967
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	31,239	39,263	176,972
Other communication and energy wire manufacturing	<1	23,834	35,913	136,626
Wiring device manufacturing	2	120,535	227,095	642,184
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	118	139	404
Automobile manufacturing	<1	85	331	854
Light truck and utility vehicle manufacturing	<1	68	155	1,066
Heavy duty truck manufacturing	<1	1,161	3,037	14,018
Motor vehicle body manufacturing	<1	1,341	1,906	7,696
Truck trailer manufacturing	<1	419	533	2,457
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	15,377	17,417	72,227
Motor vehicle gasoline engine and engine parts manufacturing	<1	25,656	39,700	187,647
Motor vehicle electrical and electronic equipment manufacturing	<1	9,954	13,588	85,979
Motor vehicle transmission and power train parts manufacturing	<1	50,094	80,997	348,206
Motor vehicle seating and interior trim manufacturing	<1	56,381	72,123	406,816
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	2	178,556	233,994	1,052,787
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	35,199	60,902	251,199
Aircraft manufacturing	247	35,183,721	76,393,566	238,371,516
Aircraft engine and engine parts manufacturing	49	5,983,725	12,402,144	33,395,541
Other aircraft parts and auxiliary equipment manufacturing	49	4,783,177	7,083,898	16,592,977
Guided missile and space vehicle manufacturing	<1	62	101	173
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	20,697	31,483	64,984

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Railroad rolling stock manufacturing	<1	1,416	1,869	7,740
Ship building and repairing	<1	18,383	24,255	53,862
Boat building	<1	1,279	1,877	6,973
Motorcycle, bicycle, and parts manufacturing	<1	143	560	1,439
Military armored vehicle, tank, and tank component manufacturing	<1	3,709	8,996	25,402
All other transportation equipment manufacturing	<1	801	1,776	6,789
Wood kitchen cabinet and countertop manufacturing	1	56,436	95,342	200,739
Upholstered household furniture manufacturing	<1	16,443	21,691	76,182
Nonupholstered wood household furniture manufacturing	<1	14,058	20,237	47,890
Other household nonupholstered furniture manufacturing	<1	1,999	4,181	11,656
Institutional furniture manufacturing	<1	517	643	2,207
Wood office furniture manufacturing	<1	1,439	2,831	7,711
Custom architectural woodwork and millwork	<1	6,008	5,935	15,548
Office furniture, except wood, manufacturing	<1	27,112	68,934	175,657
Showcase, partition, shelving, and locker manufacturing	<1	7,718	14,660	36,120
Mattress manufacturing	<1	6,892	17,783	48,082
Blind and shade manufacturing	<1	473	532	1,859
Surgical and medical instrument manufacturing	<1	5,680	9,413	22,125
Surgical appliance and supplies manufacturing	<1	11,443	20,785	56,381
Dental equipment and supplies manufacturing	<1	171	256	576
Ophthalmic goods manufacturing	<1	3,979	7,026	12,095
Dental laboratories	<1	6,581	6,861	12,978
Jewelry and silverware manufacturing	<1	5,325	9,451	27,860
Sporting and athletic goods manufacturing	<1	5,111	6,916	23,540
Doll, toy, and game manufacturing	<1	145	235	1,258
Office supplies (except paper) manufacturing	<1	795	1,120	4,502
Sign manufacturing	<1	13,818	12,074	34,140
Gasket, packing, and sealing device manufacturing	<1	9,730	11,787	34,352

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Musical instrument manufacturing	<1	1,265	1,419	4,053
Fasteners, buttons, needles, and pins manufacturing	<1	531	691	1,783
Broom, brush, and mop manufacturing	<1	4,195	7,084	19,079
Burial casket manufacturing	<1	395	489	1,117
All other miscellaneous manufacturing	<1	20,554	26,977	73,527
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	196,983	497,195	1,084,563
Wholesale - Professional and commercial equipment and supplies	8	1,162,906	1,850,020	2,887,250
Wholesale - Household appliances and electrical and electronic goods	12	1,361,800	3,419,048	6,507,742
Wholesale - Machinery, equipment, and supplies	28	2,418,155	4,967,137	8,261,871
Wholesale - Other durable goods merchant wholesalers	36	2,781,459	5,118,702	9,412,178
Wholesale - Drugs and druggists' sundries	2	221,155	698,710	1,283,545
Wholesale - Grocery and related product wholesalers	6	386,773	557,463	1,077,429
Wholesale - Petroleum and petroleum products	1	110,132	2,417,079	2,676,236
Wholesale - Other nondurable goods merchant wholesalers	10	728,833	1,848,775	3,251,972
Wholesale - Wholesale electronic markets and agents and brokers	11	1,560,486	1,625,944	1,822,011
Retail - Motor vehicle and parts dealers	10	644,766	1,014,638	1,457,461
Retail - Furniture and home furnishings stores	8	334,897	447,838	722,773
Retail - Electronics and appliance stores	6	377,418	381,393	616,478
Retail - Building material and garden equipment and supplies stores	41	1,705,009	3,200,693	4,734,475
Retail - Food and beverage stores	31	1,003,753	1,375,306	2,263,342
Retail - Health and personal care stores	13	536,635	684,938	1,077,126
Retail - Gasoline stores	10	306,195	544,365	1,033,100
Retail - Clothing and clothing accessories stores	15	365,578	615,535	1,300,567
Retail - Sporting goods, hobby, musical instrument and book stores	9	230,095	321,896	539,891
Retail - General merchandise stores	31	946,806	1,424,901	2,344,446

Appendix

Retail - Miscellaneous store retailers	18	435,712	552,147	913,905
Retail - Nonstore retailers	24	475,519	1,961,653	3,922,731
Air transportation	4	447,371	1,111,510	1,822,432
Rail transportation	3	338,588	647,785	1,295,720
Water transportation	<1	127,244	257,381	621,464
Truck transportation	45	2,931,086	3,475,186	6,924,905
Transit and ground passenger transportation	22	414,529	406,656	641,508
Pipeline transportation	<1	95,237	228,249	265,452
Scenic and sightseeing transportation and support activities for transportation	12	813,623	902,311	1,818,247
Couriers and messengers	19	572,898	884,852	1,577,730
Warehousing and storage	22	992,617	1,137,497	2,086,055
Newspaper publishers	2	181,137	328,745	383,047
Periodical publishers	2	267,582	449,035	576,438
Book publishers	<1	43,211	146,894	223,854
Directory, mailing list, and other publishers	<1	56,049	174,305	232,176
Greeting card publishing	<1	987	3,143	4,089
Software publishers	20	3,037,787	7,320,005	7,962,805
Motion picture and video industries	3	388,499	463,222	920,041
Sound recording industries	<1	39,400	89,545	201,392
Radio and television broadcasting	3	503,900	593,796	1,498,853
Cable and other subscription programming	1	260,696	1,188,992	2,654,202
Wired telecommunications carriers	6	131,621	1,281,556	2,562,121
Wireless telecommunications carriers (except satellite)	2	-5,669	1,146,268	3,021,646
Satellite, telecommunications resellers, and all other telecommunications	2	84,517	188,807	634,634
Data processing, hosting, and related services	9	1,514,878	2,916,526	5,467,450
News syndicates, libraries, archives and all other information services	1	101,405	179,908	344,959
Internet publishing and broadcasting and web search portals	3	636,983	1,439,766	3,349,910
Nondepository credit intermediation and related activities	15	2,233,588	3,009,303	4,206,351
Securities and commodity contracts intermediation and brokerage	16	1,579,882	1,295,460	2,299,320

Appendix

Monetary authorities and depository credit intermediation	17	1,659,442	5,825,820	8,490,652
Other financial investment activities	20	1,767,286	2,005,578	4,539,994
Direct life insurance carriers	<1	105,569	181,528	268,004
Insurance carriers, except direct life	15	1,326,435	3,509,031	8,484,078
Insurance agencies, brokerages, and related activities	20	1,783,100	2,541,046	5,844,628
Funds, trusts, and other financial vehicles	6	336,091	470,364	1,848,910
Other real estate	86	2,299,742	8,276,199	18,288,559
Tenant-occupied housing	12	300,055	5,478,308	5,979,326
Owner-occupied dwellings	0	0	17,876,927	22,693,973
Automotive equipment rental and leasing	3	217,120	679,834	891,132
General and consumer goods rental except video tapes and discs	3	228,728	305,262	496,190
Video tape and disc rental	<1	42,228	72,552	117,147
Commercial and industrial machinery and equipment rental and leasing	8	835,435	2,376,829	3,172,858
Lessors of nonfinancial intangible assets	<1	5,430	794,278	899,688
Legal services	19	2,082,961	3,760,556	4,819,865
Accounting, tax preparation, bookkeeping, and payroll services	19	1,994,711	3,002,274	3,823,919
Architectural, engineering, and related services	30	3,236,896	3,750,672	5,776,791
Specialized design services	3	236,498	455,864	597,207
Custom computer programming services	13	1,834,601	1,888,545	2,406,309
Computer systems design services	22	2,978,666	2,902,218	3,453,020
Other computer related services, including facilities management	6	675,827	1,223,449	1,857,764
Management consulting services	54	7,249,551	7,655,346	10,462,092
Environmental and other technical consulting services	5	581,332	625,550	841,505
Scientific research and development services	119	13,504,638	15,626,651	28,498,827
Advertising, public relations, and related services	13	1,129,228	1,767,999	2,732,692
Photographic services	<1	20,939	66,209	116,270
Veterinary services	3	172,775	238,483	352,416
Marketing research and all other miscellaneous professional, scientific, and technical services	8	814,120	1,809,513	2,641,978

Appendix

Management of companies and enterprises	44	6,747,896	8,061,548	12,045,362
Office administrative services	11	1,179,573	699,067	1,081,193
Facilities support services	2	184,954	269,755	430,242
Employment services	52	3,246,097	4,703,135	6,146,095
Business support services	21	1,284,743	1,143,596	1,736,004
Travel arrangement and reservation services	3	172,306	220,840	454,361
Investigation and security services	14	880,564	866,678	1,096,931
Services to buildings	22	830,172	1,127,427	1,940,610
Landscape and horticultural services	22	1,107,910	1,333,543	2,135,056
Other support services	5	306,219	387,400	689,815
Waste management and remediation services	5	343,265	602,676	1,085,074
Elementary and secondary schools	16	724,505	642,743	755,120
Junior colleges, colleges, universities, and professional schools	19	962,478	1,340,159	1,734,477
Other educational services	12	616,401	700,446	1,203,349
Offices of physicians	38	4,094,072	4,336,397	6,055,309
Offices of dentists	11	822,720	1,063,472	1,447,816
Offices of other health practitioners	10	611,357	929,061	1,214,199
Outpatient care centers	11	747,745	696,098	1,213,885
Medical and diagnostic laboratories	4	294,646	444,275	628,042
Home health care services	20	724,362	703,673	950,933
Other ambulatory health care services	3	219,470	249,687	396,276
Hospitals	61	4,850,695	5,741,575	11,158,849
Nursing and community care facilities	23	1,053,732	1,154,198	1,953,188
Residential mental retardation, mental health, substance abuse and other facilities	9	396,834	421,611	645,359
Individual and family services	35	1,022,468	907,372	1,357,153
Child day care services	15	432,340	654,597	868,115
Community food, housing, and other relief services, including rehabilitation services	9	321,234	319,814	671,504
Performing arts companies	4	130,092	183,757	316,207
Commercial Sports Except Racing	10	349,025	311,663	503,087
Racing and Track Operation	<1	24,297	45,142	67,905
Independent artists, writers, and performers	5	145,694	430,364	622,099

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Promoters of performing arts and sports and agents for public figures	7	199,377	353,578	659,596
Museums, historical sites, zoos, and parks	2	70,908	93,358	160,980
Amusement parks and arcades	2	37,970	104,569	148,724
Gambling industries (except casino hotels)	4	149,739	288,495	513,391
Other amusement and recreation industries	7	179,692	199,845	397,087
Fitness and recreational sports centers	9	153,095	213,496	412,803
Bowling centers	<1	19,498	31,879	57,285
Hotels and motels, including casino hotels	11	378,968	697,808	1,114,509
Other accommodations	3	104,974	146,881	197,409
Full-service restaurants	66	1,756,278	2,655,967	4,445,072
Limited-service restaurants	58	1,271,418	2,134,411	4,522,558
All other food and drinking places	28	959,863	1,374,410	1,979,881
Automotive repair and maintenance, except car washes	26	1,491,403	1,502,935	2,291,997
Car washes	11	605,070	943,214	1,405,632
Electronic and precision equipment repair and maintenance	40	3,262,573	3,884,488	5,958,327
Commercial and industrial machinery and equipment repair and maintenance	6	523,883	521,781	755,776
Personal and household goods repair and maintenance	3	152,813	280,972	411,214
Personal care services	24	696,481	530,278	748,258
Death care services	5	163,724	54,654	106,041
Dry-cleaning and laundry services	12	364,602	106,948	197,187
Other personal services	13	386,570	471,412	703,323
Religious organizations	30	1,534,569	500,859	2,300,222
Grantmaking, giving, and social advocacy organizations	5	410,180	1,099,589	1,619,424
Business and professional associations	4	450,076	686,709	1,056,780
Labor and civic organizations	11	346,933	840,963	1,537,454
Private households	10	236,564	236,564	236,564
Postal service	8	776,029	776,218	824,852
Federal electric utilities	0	0	0	0
Other federal government enterprises	59	2,720,210	1,856,173	11,722,300
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	5	620,839	-91,476	391,367
Local government electric utilities	<1	24,061	69,530	122,716
Other local government enterprises	9	870,357	1,975,152	3,530,473
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	99	17,675,242	21,011,249	48,029,166

Investments in Climate Change Research and Technology

Table 765: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>4,017</i>	<i>298,886,895</i>	<i>440,717,647</i>	<i>833,420,028</i>
Oilseed farming	<1	-11,324	95,873	140,965
Grain farming	3	11,239	75,653	415,385
Vegetable and melon farming	1	8,160	37,104	74,927
Fruit farming	1	4,417	27,572	40,674
Tree nut farming	<1	43	252	354
Greenhouse, nursery, and floriculture production	2	32,911	65,000	125,844
Tobacco farming	<1	8,274	13,192	22,661
Cotton farming	<1	4,513	8,243	16,408
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	11	23,105	45,009	101,359
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	7	-1,785	67,749	272,867

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Dairy cattle and milk production	1	3,081	28,243	182,697
Poultry and egg production	3	28,994	73,133	686,910
Animal production, except cattle and poultry and eggs	6	7,958	281,328	390,225
Forestry, forest products, and timber tract production	<1	13,168	13,426	16,990
Commercial logging	1	65,743	56,185	89,242
Commercial fishing	<1	40,667	79,739	103,824
Commercial hunting and trapping	<1	9,124	19,267	23,046
Support activities for agriculture and forestry	5	146,073	130,019	177,157
Oil and gas extraction	2	104,136	47,517	923,968
Coal mining	<1	51,682	174,344	307,037
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	<1	2,466	4,599	8,727
Stone mining and quarrying	<1	27,592	119,064	201,204
Sand and gravel mining	<1	5,758	14,363	28,288
Other clay, ceramic, refractory minerals mining	<1	2,283	5,348	9,949
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	1,600	3,643	6,982
Drilling oil and gas wells	<1	13	11	65
Support activities for oil and gas operations	<1	234	201	742
Metal mining services	<1	1,195	879	11,580
Other nonmetallic minerals services	<1	212	195	1,465
Electric power generation - Hydroelectric	<1	16,363	58,521	106,508
Electric power generation - Fossil fuel	<1	124,463	598,417	1,344,831
Electric power generation - Nuclear	2	400,236	1,024,026	1,998,590
Electric power generation - Solar	<1	3,516	18,215	37,942
Electric power generation - Wind	<1	1,906	19,518	32,070
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	6,876	36,200	90,920
Electric power generation - All other	<1	1,171	1,073	2,645
Electric power transmission and distribution	5	785,396	3,318,836	6,730,143
Natural gas distribution	2	237,292	787,468	1,478,852
Water, sewage and other systems	<1	56,378	132,393	216,555
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	8	547,162	652,434	1,327,524
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	13	790,004	1,227,802	2,811,429
Maintenance and repair construction of residential structures	7	375,069	566,278	1,304,903
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	366	573	1,302
Dog and cat food manufacturing	<1	13,859	71,242	217,633
Other animal food manufacturing	<1	15,295	36,750	262,925
Flour milling	<1	8,466	25,684	121,951
Rice milling	0	0	0	0
Malt manufacturing	<1	2,061	6,061	23,988
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	<1	2,879	9,188	64,820
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	870	4,089	17,873
Nonchocolate confectionery manufacturing	<1	448	1,044	10,725
Chocolate and confectionery manufacturing from cacao beans	<1	37	86	834
Confectionery manufacturing from purchased chocolate	<1	31,903	60,307	172,252
Frozen fruits, juices and vegetables manufacturing	<1	8,873	28,510	84,398
Frozen specialties manufacturing	<1	17,151	32,821	107,754
Canned fruits and vegetables manufacturing	<1	9,088	30,027	96,415
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	<1	908	2,551	6,889
Cheese manufacturing	<1	1,334	2,613	17,099
Dry, condensed, and evaporated dairy product manufacturing	<1	26,416	111,165	460,578
Fluid milk manufacturing	<1	43,784	103,700	463,139
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	1,706	3,212	13,955
Frozen cakes and other pastries manufacturing	2	43,958	66,445	126,579
Poultry processing	5	225,980	341,067	1,440,284
Animal, except poultry, slaughtering	2	80,999	126,432	992,890
Meat processed from carcasses	1	60,074	62,843	570,563
Rendering and meat byproduct processing	<1	1,708	2,114	10,514
Seafood product preparation and packaging	<1	50,096	83,961	403,708
Bread and bakery product, except frozen, manufacturing	3	107,236	183,859	449,989
Cookie and cracker manufacturing	<1	51,312	103,774	251,589
Dry pasta, mixes, and dough manufacturing	<1	6,339	24,019	59,415
Tortilla manufacturing	<1	2,244	3,477	10,483
Roasted nuts and peanut butter manufacturing	<1	17,003	63,957	159,403
Other snack food manufacturing	<1	33,073	126,947	347,714
Coffee and tea manufacturing	<1	20,782	60,829	204,321
Flavoring syrup and concentrate manufacturing	<1	1,750	29,219	43,738
Mayonnaise, dressing, and sauce manufacturing	<1	1,486	4,623	13,379
Spice and extract manufacturing	<1	15,561	38,428	77,265
All other food manufacturing	<1	19,034	39,375	146,450

Appendix

Bottled and canned soft drinks & water	<1	64,648	160,630	603,646
Manufactured ice	<1	2,950	2,911	9,545
Breweries	2	98,685	345,949	733,869
Wineries	1	35,223	88,270	347,140
Distilleries	<1	8,157	80,384	157,528
Tobacco product manufacturing	<1	35,387	1,296,823	1,719,647
Fiber, yarn, and thread mills	<1	7,884	11,542	57,284
Broadwoven fabric mills	<1	16,911	26,313	98,803
Narrow fabric mills and schiffli machine embroidery	<1	1,462	1,662	7,086
Nonwoven fabric mills	<1	20,341	37,230	125,614
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	1,837	2,454	10,783
Fabric coating mills	<1	1,509	2,125	10,118
Carpet and rug mills	<1	20,009	33,106	134,019
Curtain and linen mills	<1	9,209	12,082	43,486
Textile bag and canvas mills	<1	4,586	5,506	15,361
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,218	3,290	9,726
Other textile product mills	<1	8,797	10,768	32,733
Hosiery and sock mills	<1	294	561	1,499
Other apparel knitting mills	<1	709	938	2,360
Cut and sew apparel contractors	<1	2,324	2,408	5,482
Mens and boys cut and sew apparel manufacturing	<1	5,827	5,487	12,822
Womens and girls cut and sew apparel manufacturing	<1	1,084	992	4,851
Other cut and sew apparel manufacturing	<1	5,197	4,371	17,219
Apparel accessories and other apparel manufacturing	<1	1,540	1,455	4,871
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	<1	402	427	2,274
Other leather and allied product manufacturing	<1	595	616	2,352
Sawmills	<1	52,727	92,983	318,528
Wood preservation	<1	7,942	26,136	68,311
Veneer and plywood manufacturing	<1	22,721	40,518	118,709
Engineered wood member and truss manufacturing	<1	9,485	15,617	44,251
Reconstituted wood product manufacturing	<1	9,862	27,556	76,502
Wood windows and door manufacturing	1	80,368	123,038	347,058

Appendix

Cut stock, resawing lumber, and planing	<1	11,496	23,883	63,090
Other millwork, including flooring	<1	22,850	41,326	112,051
Wood container and pallet manufacturing	<1	19,616	29,563	77,625
Manufactured home (mobile home) manufacturing	<1	16	21	66
Prefabricated wood building manufacturing	<1	6,286	9,532	26,013
All other miscellaneous wood product manufacturing	<1	10,666	17,828	55,075
Pulp mills	0	0	0	0
Paper mills	<1	96,588	207,416	736,624
Paperboard mills	<1	104,005	226,847	847,441
Paperboard container manufacturing	<1	66,011	97,776	470,375
Paper bag and coated and treated paper manufacturing	<1	16,349	28,374	112,515
Stationery product manufacturing	<1	9,891	14,692	66,693
Sanitary paper product manufacturing	<1	18,623	48,872	202,427
All other converted paper product manufacturing	<1	8,720	12,622	52,489
Printing	6	320,008	448,628	1,003,229
Support activities for printing	<1	12,701	17,008	26,629
Petroleum refineries	<1	14,141	61,048	384,509
Asphalt paving mixture and block manufacturing	<1	16,695	22,709	98,386
Asphalt shingle and coating materials manufacturing	<1	11,124	26,508	69,861
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	<1	4,744	14,276	47,650
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	9,698	15,762	49,823
Synthetic dye and pigment manufacturing	<1	1,403	2,118	7,544
Other basic inorganic chemical manufacturing	<1	2,090	3,476	16,648
Other basic organic chemical manufacturing	<1	72,402	117,977	832,279
Plastics material and resin manufacturing	<1	18,602	26,106	180,259
Synthetic rubber manufacturing	<1	1,336	1,855	12,314
Artificial and synthetic fibers and filaments manufacturing	1	122,607	166,486	775,440

Appendix

Nitrogenous fertilizer manufacturing	<1	861	1,564	6,736
Phosphatic fertilizer manufacturing	<1	478	797	3,583
Fertilizer mixing	<1	2,071	3,190	12,923
Pesticide and other agricultural chemical manufacturing	<1	9,978	22,520	143,751
Medicinal and botanical manufacturing	<1	1,222	1,571	6,027
Pharmaceutical preparation manufacturing	<1	49,388	119,180	449,342
In-vitro diagnostic substance manufacturing	<1	1,853	2,333	7,545
Biological product (except diagnostic) manufacturing	<1	1,290	2,061	6,994
Paint and coating manufacturing	<1	13,479	20,385	96,812
Adhesive manufacturing	<1	1,129	1,526	9,283
Soap and other detergent manufacturing	<1	11,871	26,117	102,735
Polish and other sanitation good manufacturing	<1	4,235	5,611	24,969
Surface active agent manufacturing	<1	6,044	13,571	44,309
Toilet preparation manufacturing	<1	8,132	18,148	78,882
Printing ink manufacturing	<1	14,987	16,122	65,033
Explosives manufacturing	<1	3,957	4,324	14,219
Custom compounding of purchased resins	<1	15,968	22,425	103,641
Photographic film and chemical manufacturing	<1	21,699	37,768	162,995
Other miscellaneous chemical product manufacturing	<1	12,765	17,502	75,382
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	53,406	105,172	320,744
Unlaminated plastics profile shape manufacturing	<1	1,213	3,338	9,378
Plastics pipe and pipe fitting manufacturing	<1	3,602	12,754	36,403
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	17,022	38,491	79,653
Polystyrene foam product manufacturing	<1	3,698	7,541	23,751
Urethane and other foam product (except polystyrene) manufacturing	<1	4,509	8,585	22,976
Plastics bottle manufacturing	<1	5,001	9,512	40,090
Other plastics product manufacturing	1	78,907	132,462	412,366

Appendix

Tire manufacturing	1	80,910	142,243	488,097
Rubber and plastics hoses and belting manufacturing	<1	2,530	4,355	10,953
Other rubber product manufacturing	<1	15,205	24,686	77,560
Pottery, ceramics, and plumbing fixture manufacturing	<1	449	774	2,715
Brick, tile, and other structural clay product manufacturing	<1	10,575	21,816	41,745
Flat glass manufacturing	<1	2,040	5,448	13,470
Other pressed and blown glass and glassware manufacturing	<1	1,801	3,813	7,457
Glass container manufacturing	<1	13,681	25,643	54,030
Glass product manufacturing made of purchased glass	<1	9,481	19,348	46,137
Cement manufacturing	<1	3,393	10,558	22,654
Ready-mix concrete manufacturing	<1	43,280	88,020	249,778
Concrete block and brick manufacturing	<1	10,200	22,575	47,791
Concrete pipe manufacturing	<1	4,800	9,901	20,506
Other concrete product manufacturing	<1	41,445	66,619	142,112
Lime manufacturing	<1	11,097	32,320	69,429
Gypsum product manufacturing	<1	7,424	25,777	53,174
Abrasive product manufacturing	<1	5,623	20,543	32,332
Cut stone and stone product manufacturing	<1	19,682	25,124	52,905
Ground or treated mineral and earth manufacturing	<1	6,952	23,653	46,365
Mineral wool manufacturing	<1	427	1,263	2,636
Miscellaneous nonmetallic mineral products manufacturing	<1	3,461	13,291	27,176
Iron and steel mills and ferroalloy manufacturing	<1	31,852	69,532	345,070
Iron, steel pipe and tube manufacturing from purchased steel	<1	174	347	1,530
Rolled steel shape manufacturing	<1	424	1,075	6,115
Steel wire drawing	<1	231	398	1,476
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	3,839	8,806	40,439
Other aluminum rolling, drawing and extruding	<1	3,659	5,788	24,493

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	984	5,133	18,539
Copper rolling, drawing, extruding and alloying	<1	1,330	2,415	32,677
Nonferrous metal, except copper and aluminum, shaping	<1	1,384	1,813	8,426
Secondary processing of other nonferrous metals	<1	57	135	721
Ferrous metal foundries	<1	4,526	7,839	18,562
Nonferrous metal foundries	<1	6,753	10,325	23,630
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	7,097	10,681	31,875
Iron and steel forging	<1	1,165	2,544	8,055
Nonferrous forging	<1	3,786	7,065	21,574
Cutlery, utensil, pot, and pan manufacturing	<1	6,618	26,954	55,588
Handtool manufacturing	<1	1,497	3,193	6,982
Prefabricated metal buildings and components manufacturing	<1	5,977	11,032	30,176
Fabricated structural metal manufacturing	<1	27,932	53,044	143,548
Plate work manufacturing	<1	46,905	54,659	122,998
Metal window and door manufacturing	<1	3,492	5,853	13,667
Sheet metal work manufacturing	<1	15,955	25,824	67,073
Ornamental and architectural metal work manufacturing	<1	13,713	21,586	51,780
Power boiler and heat exchanger manufacturing	<1	2,819	4,951	11,272
Metal tank (heavy gauge) manufacturing	<1	719	1,102	3,608
Metal cans manufacturing	<1	6,723	22,133	80,507
Metal barrels, drums and pails manufacturing	<1	358	517	1,906
Hardware manufacturing	<1	2,555	5,230	14,151
Spring and wire product manufacturing	<1	2,977	5,045	13,567
Machine shops	<1	33,734	48,102	99,089
Turned product and screw, nut, and bolt manufacturing	<1	1,199	2,260	5,813
Metal heat treating	<1	677	1,253	3,052
Metal coating and nonprecious engraving	<1	4,265	10,321	22,209
Electroplating, anodizing, and coloring metal	<1	7,343	9,279	20,566
Valve and fittings, other than plumbing, manufacturing	<1	343	714	1,796

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Plumbing fixture fitting and trim manufacturing	<1	537	2,254	5,537
Ball and roller bearing manufacturing	<1	3,845	9,558	19,275
Small arms ammunition manufacturing	<1	6,657	19,118	33,155
Ammunition, except for small arms, manufacturing	<1	568	785	1,438
Small arms, ordnance, and accessories manufacturing	<1	2,433	6,376	13,771
Fabricated pipe and pipe fitting manufacturing	<1	9,297	13,804	33,797
Other fabricated metal manufacturing	<1	7,346	11,890	29,043
Farm machinery and equipment manufacturing	<1	262	428	1,864
Lawn and garden equipment manufacturing	<1	388	633	3,887
Construction machinery manufacturing	<1	352	707	2,851
Mining machinery and equipment manufacturing	<1	890	1,306	4,120
Oil and gas field machinery and equipment manufacturing	<1	268	403	1,128
Semiconductor machinery manufacturing	<1	156	180	682
Food product machinery manufacturing	<1	129	144	411
Sawmill, woodworking, and paper machinery	<1	581	641	1,894
Printing machinery and equipment manufacturing	<1	43	48	206
All other industrial machinery manufacturing	<1	780	943	2,978
Optical instrument and lens manufacturing	<1	609	794	2,455
Photographic and photocopying equipment manufacturing	<1	90	115	538
Other commercial service industry machinery manufacturing	<1	926	1,341	4,539
Air purification and ventilation equipment manufacturing	<1	1,151	1,455	4,557
Heating equipment (except warm air furnaces) manufacturing	<1	6,870	9,610	34,702
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	20,250	32,396	106,269
Industrial mold manufacturing	<1	198	224	523
Special tool, die, jig, and fixture manufacturing	<1	429	531	1,271

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Cutting tool and machine tool accessory manufacturing	<1	629	693	1,588
Machine tool manufacturing	<1	400	476	1,383
Rolling mill and other metalworking machinery manufacturing	<1	138	158	373
Turbine and turbine generator set units manufacturing	<1	4	5	16
Speed changer, industrial high-speed drive, and gear manufacturing	<1	3,972	5,408	16,221
Mechanical power transmission equipment manufacturing	<1	1,160	1,648	4,012
Other engine equipment manufacturing	<1	921	1,689	9,304
Pump and pumping equipment manufacturing	<1	924	1,417	4,590
Air and gas compressor manufacturing	<1	204	331	1,568
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	988	1,097	3,364
Overhead cranes, hoists, and monorail systems manufacturing	<1	393	666	2,453
Industrial truck, trailer, and stacker manufacturing	<1	1,142	1,666	5,251
Power-driven handtool manufacturing	<1	5,516	12,244	41,710
Welding and soldering equipment manufacturing	<1	12	16	69
Packaging machinery manufacturing	<1	1,309	1,690	4,622
Industrial process furnace and oven manufacturing	<1	19	21	49
Fluid power cylinder and actuator manufacturing	<1	786	1,036	2,847
Fluid power pump and motor manufacturing	<1	17	25	80
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	266	313	1,040
Electronic computer manufacturing	<1	24,821	45,547	145,493
Computer storage device manufacturing	<1	483	1,104	3,324
Computer terminals and other computer peripheral equipment manufacturing	2	209,780	343,701	1,056,860
Telephone apparatus manufacturing	<1	727	1,205	3,313

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Broadcast and wireless communications equipment manufacturing	<1	2,589	3,877	8,983
Other communications equipment manufacturing	<1	2,016	3,517	12,499
Audio and video equipment manufacturing	<1	1,644	2,648	6,491
Printed circuit assembly (electronic assembly) manufacturing	<1	6,697	11,924	38,415
Bare printed circuit board manufacturing	<1	2,872	3,798	9,224
Semiconductor and related device manufacturing	<1	12,882	22,811	72,951
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	1,162	1,689	5,649
Electronic connector manufacturing	<1	9,039	14,087	47,346
Other electronic component manufacturing	<1	1,849	2,592	8,570
Electromedical and electrotherapeutic apparatus manufacturing	<1	97	182	507
Search, detection, and navigation instruments manufacturing	<1	406	664	1,225
Automatic environmental control manufacturing	<1	332	442	962
Industrial process variable instruments manufacturing	<1	669	1,064	2,908
Totalizing fluid meter and counting device manufacturing	<1	1,018	2,248	4,828
Electricity and signal testing instruments manufacturing	<1	472	748	2,622
Analytical laboratory instrument manufacturing	<1	51,667	87,859	201,146
Irradiation apparatus manufacturing	<1	34	64	170
Watch, clock, and other measuring and controlling device manufacturing	<1	308	543	1,326
Blank magnetic and optical recording media manufacturing	<1	16	47	250
Software and other prerecorded and record reproducing	<1	1,801	2,570	5,984
Electric lamp bulb and part manufacturing	<1	1,493	2,773	11,224
Lighting fixture manufacturing	<1	4,913	7,138	22,320
Small electrical appliance manufacturing	<1	40	87	477

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Household cooking appliance manufacturing	<1	146	300	1,495
Household refrigerator and home freezer manufacturing	<1	138	292	1,399
Household laundry equipment manufacturing	<1	330	561	3,556
Other major household appliance manufacturing	<1	58	130	576
Power, distribution, and specialty transformer manufacturing	<1	2,865	4,236	12,637
Motor and generator manufacturing	<1	14,023	22,423	73,453
Switchgear and switchboard apparatus manufacturing	<1	4,118	6,703	21,519
Relay and industrial control manufacturing	<1	6,600	8,811	20,606
Storage battery manufacturing	<1	210	297	864
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	<1	4,665	5,815	30,532
Other communication and energy wire manufacturing	<1	919	1,351	5,430
Wiring device manufacturing	<1	2,722	4,926	15,604
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	54,200	63,371	171,498
Automobile manufacturing	<1	122	509	1,310
Light truck and utility vehicle manufacturing	<1	321	1,045	4,878
Heavy duty truck manufacturing	<1	1,131	3,427	14,355
Motor vehicle body manufacturing	<1	1,353	1,990	7,646
Truck trailer manufacturing	<1	228	343	1,491
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	27,748	32,376	131,547
Motor vehicle gasoline engine and engine parts manufacturing	<1	21,733	37,237	163,339
Motor vehicle electrical and electronic equipment manufacturing	<1	14,880	22,937	161,088
Motor vehicle transmission and power train parts manufacturing	<1	24,266	41,513	215,652
Motor vehicle seating and interior trim manufacturing	<1	2,039	2,720	16,124
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	50,469	79,891	301,922

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	34,692	63,303	267,314
Aircraft manufacturing	<1	202	544	1,457
Aircraft engine and engine parts manufacturing	<1	75	170	499
Other aircraft parts and auxiliary equipment manufacturing	<1	369	582	1,447
Guided missile and space vehicle manufacturing	<1	45	74	130
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	43	65	143
Railroad rolling stock manufacturing	<1	1,072	1,395	6,295
Ship building and repairing	<1	12,574	16,502	37,050
Boat building	<1	2,488	3,629	13,873
Motorcycle, bicycle, and parts manufacturing	<1	117	452	1,210
Military armored vehicle, tank, and tank component manufacturing	<1	13,030	31,323	110,695
All other transportation equipment manufacturing	<1	901	1,862	7,620
Wood kitchen cabinet and countertop manufacturing	<1	29,717	59,166	120,325
Upholstered household furniture manufacturing	<1	14,294	18,827	66,711
Nonupholstered wood household furniture manufacturing	<1	15,637	23,413	55,926
Other household nonupholstered furniture manufacturing	<1	1,222	2,804	7,694
Institutional furniture manufacturing	<1	305	379	1,311
Wood office furniture manufacturing	<1	91	182	518
Custom architectural woodwork and millwork	<1	945	958	2,655
Office furniture, except wood, manufacturing	<1	6,148	16,699	41,163
Showcase, partition, shelving, and locker manufacturing	<1	3,239	7,043	17,037
Mattress manufacturing	<1	6,360	18,418	48,051
Blind and shade manufacturing	<1	625	712	2,470
Surgical and medical instrument manufacturing	<1	5,368	8,728	22,589
Surgical appliance and supplies manufacturing	<1	9,159	15,800	46,872
Dental equipment and supplies manufacturing	<1	155	232	550

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Ophthalmic goods manufacturing	<1	4,289	7,123	13,092
Dental laboratories	<1	6,456	6,710	12,858
Jewelry and silverware manufacturing	<1	7,397	12,778	38,600
Sporting and athletic goods manufacturing	<1	6,049	8,060	30,135
Doll, toy, and game manufacturing	<1	139	210	1,221
Office supplies (except paper) manufacturing	<1	1,189	1,625	7,421
Sign manufacturing	<1	21,556	17,948	52,563
Gasket, packing, and sealing device manufacturing	<1	7,848	9,353	28,452
Musical instrument manufacturing	<1	772	829	2,519
Fasteners, buttons, needles, and pins manufacturing	<1	516	645	1,700
Broom, brush, and mop manufacturing	<1	3,294	4,177	15,108
Burial casket manufacturing	<1	1,057	1,257	3,243
All other miscellaneous manufacturing	<1	19,524	24,900	73,178
Wholesale - Motor vehicle and motor vehicle parts and supplies	2	154,148	392,387	853,341
Wholesale - Professional and commercial equipment and supplies	7	877,756	1,403,061	2,228,805
Wholesale - Household appliances and electrical and electronic goods	2	228,546	601,872	1,160,609
Wholesale - Machinery, equipment, and supplies	3	291,830	617,128	1,026,306
Wholesale - Other durable goods merchant wholesalers	8	619,659	1,158,273	2,150,723
Wholesale - Drugs and druggists' sundries	2	258,137	840,980	1,574,303
Wholesale - Grocery and related product wholesalers	8	552,966	805,648	1,571,397
Wholesale - Petroleum and petroleum products	1	89,423	1,417,506	1,618,557
Wholesale - Other nondurable goods merchant wholesalers	10	660,174	1,593,672	2,911,811
Wholesale - Wholesale electronic markets and agents and brokers	7	953,964	994,444	1,117,690
Retail - Motor vehicle and parts dealers	14	820,314	1,289,814	1,872,682
Retail - Furniture and home furnishings stores	10	419,035	560,151	924,112
Retail - Electronics and appliance stores	9	485,885	480,141	799,841

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Retail - Building material and garden equipment and supplies stores	12	449,886	855,129	1,287,175
Retail - Food and beverage stores	41	1,221,729	1,696,019	2,864,106
Retail - Health and personal care stores	18	741,385	941,811	1,490,532
Retail - Gasoline stores	14	347,337	660,620	1,334,796
Retail - Clothing and clothing accessories stores	21	469,579	806,035	1,777,566
Retail - Sporting goods, hobby, musical instrument and book stores	13	290,365	406,896	703,521
Retail - General merchandise stores	44	1,315,035	1,962,341	3,247,239
Retail - Miscellaneous store retailers	25	519,454	666,117	1,156,821
Retail - Nonstore retailers	29	570,772	2,225,093	4,623,021
Air transportation	5	561,185	1,308,565	2,224,609
Rail transportation	2	192,955	448,444	823,256
Water transportation	<1	128,413	256,165	657,385
Truck transportation	23	1,370,364	1,664,306	3,406,841
Transit and ground passenger transportation	23	350,803	336,710	580,225
Pipeline transportation	<1	207,998	375,868	435,757
Scenic and sightseeing transportation and support activities for transportation	14	932,112	1,030,068	2,058,339
Couriers and messengers	17	505,530	772,438	1,397,057
Warehousing and storage	19	843,536	966,092	1,805,245
Newspaper publishers	3	220,175	393,221	468,942
Periodical publishers	2	232,625	383,310	531,447
Book publishers	<1	58,192	194,681	305,241
Directory, mailing list, and other publishers	<1	57,771	169,365	228,224
Greeting card publishing	<1	870	2,551	3,530
Software publishers	17	2,396,863	5,681,928	6,259,449
Motion picture and video industries	4	350,994	408,874	1,006,708
Sound recording industries	<1	42,154	87,286	220,549
Radio and television broadcasting	5	365,629	468,915	1,702,421
Cable and other subscription programming	2	112,885	803,652	2,301,018
Wired telecommunications carriers	8	156,514	1,571,657	3,229,841
Wireless telecommunications carriers (except satellite)	2	-6,418	1,228,257	3,401,877

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Satellite, telecommunications resellers, and all other telecommunications	2	89,398	211,665	773,130
Data processing, hosting, and related services	19	2,343,468	4,572,447	10,530,549
News syndicates, libraries, archives and all other information services	1	88,457	150,884	321,268
Internet publishing and broadcasting and web search portals	4	550,769	1,256,416	4,163,460
Nondepository credit intermediation and related activities	18	2,278,668	3,006,134	4,512,289
Securities and commodity contracts intermediation and brokerage	21	1,418,391	1,210,552	2,582,149
Monetary authorities and depository credit intermediation	26	2,415,739	7,755,635	12,027,497
Other financial investment activities	24	1,482,456	1,751,116	4,855,473
Direct life insurance carriers	2	160,271	260,472	409,695
Insurance carriers, except direct life	22	1,780,294	4,328,062	11,447,353
Insurance agencies, brokerages, and related activities	24	2,074,142	2,883,250	6,944,445
Funds, trusts, and other financial vehicles	8	384,000	518,706	2,442,621
Other real estate	163	3,494,281	13,001,050	32,115,263
Tenant-occupied housing	18	367,757	6,153,125	6,960,839
Owner-occupied dwellings	0	0	20,711,360	26,292,162
Automotive equipment rental and leasing	3	146,672	621,132	870,118
General and consumer goods rental except video tapes and discs	5	253,010	373,678	652,377
Video tape and disc rental	1	55,809	98,338	159,818
Commercial and industrial machinery and equipment rental and leasing	3	229,231	823,818	1,135,785
Lessors of nonfinancial intangible assets	<1	5,943	779,128	887,003
Legal services	30	3,004,668	5,257,661	6,918,655
Accounting, tax preparation, bookkeeping, and payroll services	21	1,958,293	2,792,127	3,730,782
Architectural, engineering, and related services	25	2,572,180	2,887,569	4,577,708
Specialized design services	2	117,962	206,479	296,421
Custom computer programming services	4	455,325	477,039	638,793

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Computer systems design services	13	1,536,676	1,482,733	1,812,318
Other computer related services, including facilities management	4	435,213	791,764	1,259,060
Management consulting services	116	13,846,192	14,525,333	20,715,530
Environmental and other technical consulting services	7	727,639	773,878	1,065,380
Scientific research and development services	389	39,783,625	47,706,062	89,722,452
Advertising, public relations, and related services	16	1,163,965	1,748,939	2,921,380
Photographic services	<1	29,172	81,227	157,352
Veterinary services	5	225,737	297,626	457,819
Marketing research and all other miscellaneous professional, scientific, and technical services	11	1,052,432	2,188,416	3,472,174
Management of companies and enterprises	47	6,472,390	7,690,958	11,971,659
Office administrative services	11	1,088,037	608,414	1,046,907
Facilities support services	5	377,442	554,945	957,574
Employment services	82	4,276,413	6,070,060	8,480,234
Business support services	25	1,328,359	1,154,471	1,897,367
Travel arrangement and reservation services	4	251,921	322,424	680,261
Investigation and security services	16	892,815	871,620	1,167,140
Services to buildings	30	977,821	1,305,063	2,405,355
Landscape and horticultural services	22	1,002,101	1,195,711	2,003,127
Other support services	6	280,845	352,928	666,702
Waste management and remediation services	5	368,575	647,181	1,191,635
Elementary and secondary schools	18	693,099	620,290	743,032
Junior colleges, colleges, universities, and professional schools	693	30,239,750	42,301,748	56,630,105
Other educational services	16	743,775	837,765	1,502,216
Offices of physicians	51	5,479,201	5,756,709	8,078,157
Offices of dentists	15	1,062,076	1,336,681	1,850,127
Offices of other health practitioners	14	831,523	1,213,728	1,605,838
Outpatient care centers	13	902,694	831,022	1,443,114
Medical and diagnostic laboratories	5	373,794	542,330	791,397
Home health care services	27	981,089	945,465	1,282,328
Other ambulatory health care services	5	281,234	315,112	507,648

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Hospitals	68	5,213,164	6,228,962	12,301,594
Nursing and community care facilities	31	1,280,402	1,400,183	2,464,193
Residential mental retardation, mental health, substance abuse and other facilities	10	406,825	431,012	679,093
Individual and family services	40	1,103,858	955,957	1,465,935
Child day care services	19	506,856	733,429	1,014,096
Community food, housing, and other relief services, including rehabilitation services	9	320,021	316,425	692,957
Performing arts companies	6	125,515	184,216	353,877
Commercial Sports Except Racing	13	386,161	370,537	612,864
Racing and Track Operation	1	26,387	51,173	89,583
Independent artists, writers, and performers	5	123,168	429,954	641,133
Promoters of performing arts and sports and agents for public figures	8	197,096	372,585	760,498
Museums, historical sites, zoos, and parks	2	82,473	109,432	195,716
Amusement parks and arcades	2	40,174	131,424	189,873
Gambling industries (except casino hotels)	6	168,880	326,497	605,418
Other amusement and recreation industries	11	219,732	255,568	531,512
Fitness and recreational sports centers	11	163,609	241,853	488,341
Bowling centers	1	24,217	41,249	76,982
Hotels and motels, including casino hotels	12	383,220	730,400	1,195,031
Other accommodations	2	88,717	125,773	172,970
Full-service restaurants	94	2,320,315	3,429,615	5,978,616
Limited-service restaurants	81	1,608,779	2,649,916	5,951,871
All other food and drinking places	38	1,198,421	1,714,926	2,561,530
Automotive repair and maintenance, except car washes	27	1,442,333	1,573,419	2,407,091
Car washes	13	670,721	1,057,469	1,596,047
Electronic and precision equipment repair and maintenance	37	2,651,804	3,078,936	4,963,783
Commercial and industrial machinery and equipment repair and maintenance	6	439,675	449,681	678,443
Personal and household goods repair and maintenance	4	170,270	332,369	491,601
Personal care services	29	801,598	649,170	915,768
Death care services	6	171,199	74,123	135,763

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Dry-cleaning and laundry services	13	361,392	138,543	240,447
Other personal services	17	459,565	571,919	868,349
Religious organizations	34	1,678,205	718,934	2,758,723
Grantmaking, giving, and social advocacy organizations	5	375,873	1,129,944	1,651,506
Business and professional associations	4	447,055	740,764	1,161,495
Labor and civic organizations	11	343,925	925,893	1,643,555
Private households	14	270,065	270,065	270,065
Postal service	9	848,388	848,532	903,539
Federal electric utilities	0	0	0	0
Other federal government enterprises	33	1,486,353	1,218,789	6,660,227
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	9	786,909	-86,533	848,649
Local government electric utilities	<1	27,342	92,340	165,872
Other local government enterprises	17	1,393,934	3,582,958	6,385,909
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	540	93,025,767	114,934,536	262,938,975

Washington

NASA

Table 766: Detailed NASA Impacts by Types of Impact, Washington

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	4,622	390,345,854	650,155,072	1,061,693,529
Oilseed farming	<1	37,318	80,906	122,073
Grain farming	6	580,994	666,338	2,278,556
Vegetable and melon farming	5	233,626	338,992	560,207
Fruit farming	9	348,603	524,746	690,956
Tree nut farming	<1	1,665	2,627	3,454
Greenhouse, nursery, and floriculture production	2	97,041	121,436	180,993
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	4,813	5,799	8,944
All other crop farming	8	154,057	188,477	286,718
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	6	294,843	508,858	1,382,828
Dairy cattle and milk production	2	94,651	152,949	687,350
Poultry and egg production	<1	38,774	51,974	451,347
Animal production, except cattle and poultry and eggs	4	319,318	553,898	779,930
Forestry, forest products, and timber tract production	<1	16,914	16,154	18,719
Commercial logging	1	177,059	157,384	206,136
Commercial fishing	2	220,199	156,630	166,687
Commercial hunting and trapping	<1	412	1,144	1,533
Support activities for agriculture and forestry	17	769,116	691,818	834,890
Oil and gas extraction	2	253	1,865	634,273
Coal mining	<1	36,412	28,574	67,660
Copper, nickel, lead, and zinc mining	4	536,932	493,446	1,512,581
Iron ore mining	0	0	0	0
Gold ore mining	<1	169,913	178,970	168,624
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	37,909	25,693	104,077
Sand and gravel mining	<1	75,909	69,779	166,104

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	14,100	10,790	29,233
Drilling oil and gas wells	<1	5	9	77
Support activities for oil and gas operations	<1	13	19	321
Metal mining services	<1	2,530	4,512	42,533
Other nonmetallic minerals services	<1	17	38	1,029
Electric power generation - Hydroelectric	<1	39,429	215,628	344,484
Electric power generation - Fossil fuel	<1	35,432	264,101	508,692
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	644	3,544	5,150
Electric power generation - Wind	<1	8,694	145,087	212,318
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	861	9,377	21,066
Electric power generation - All other	<1	543	794	1,887
Electric power transmission and distribution	3	407,925	2,473,553	4,632,966
Natural gas distribution	<1	124,814	566,034	973,058
Water, sewage and other systems	<1	28,040	87,194	140,480
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

Appendix

Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	18	1,401,764	2,256,196	4,344,952
Maintenance and repair construction of residential structures	7	575,599	905,433	1,688,055
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	867	1,401	2,708
Dog and cat food manufacturing	<1	28,605	76,623	364,815
Other animal food manufacturing	1	80,998	147,384	1,066,649
Flour milling	<1	16,866	29,291	204,677
Rice milling	0	0	0	0
Malt manufacturing	<1	19,114	31,599	236,675
Wet corn milling	<1	42,071	103,147	653,749
Soybean and other oilseed processing	<1	27,534	128,657	1,520,061
Fats and oils refining and blending	<1	458	851	10,695
Breakfast cereal manufacturing	<1	86,713	189,702	668,184
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	8,707	12,922	85,428
Chocolate and confectionery manufacturing from cacao beans	<1	6,280	9,132	44,947
Confectionery manufacturing from purchased chocolate	<1	44,706	59,045	299,704
Frozen fruits, juices and vegetables manufacturing	1	83,377	149,589	631,131
Frozen specialties manufacturing	2	113,917	150,656	572,802
Canned fruits and vegetables manufacturing	<1	54,634	101,297	457,865
Canned specialties	<1	1,528	3,474	29,112
Dehydrated food products manufacturing	<1	29,237	48,486	196,003
Cheese manufacturing	<1	12,917	18,291	249,946
Dry, condensed, and evaporated dairy product manufacturing	<1	24,797	52,945	319,902
Fluid milk manufacturing	<1	54,123	80,701	524,141
Creamery butter manufacturing	<1	10,647	41,325	267,475
Ice cream and frozen dessert manufacturing	<1	10,405	13,799	57,651
Frozen cakes and other pastries manufacturing	3	117,517	170,708	293,912

Appendix

Poultry processing	2	101,054	122,454	523,847
Animal, except poultry, slaughtering	4	264,481	325,938	2,555,293
Meat processed from carcasses	2	173,040	169,807	1,177,797
Rendering and meat byproduct processing	<1	10,008	11,569	52,591
Seafood product preparation and packaging	2	237,220	285,681	1,032,985
Bread and bakery product, except frozen, manufacturing	8	322,783	445,185	1,084,171
Cookie and cracker manufacturing	<1	42,453	58,213	216,287
Dry pasta, mixes, and dough manufacturing	<1	44,642	88,776	279,837
Tortilla manufacturing	<1	4,268	5,193	22,409
Roasted nuts and peanut butter manufacturing	<1	38,603	77,715	268,340
Other snack food manufacturing	<1	72,881	138,412	486,531
Coffee and tea manufacturing	<1	51,727	88,018	493,306
Flavoring syrup and concentrate manufacturing	<1	5,661	37,351	164,985
Mayonnaise, dressing, and sauce manufacturing	<1	2,907	5,179	26,565
Spice and extract manufacturing	<1	20,854	32,388	160,047
All other food manufacturing	1	58,789	82,514	414,908
Bottled and canned soft drinks & water	2	165,553	260,099	1,182,871
Manufactured ice	<1	3,773	1,754	8,972
Breweries	3	106,612	247,718	878,797
Wineries	3	121,824	190,298	744,777
Distilleries	<1	20,337	121,957	296,811
Tobacco product manufacturing	<1	1,635	68,456	139,989
Fiber, yarn, and thread mills	<1	1,449	1,866	12,501
Broadwoven fabric mills	<1	12,990	16,121	74,972
Narrow fabric mills and schiffli machine embroidery	<1	357	375	1,261
Nonwoven fabric mills	<1	8,741	10,585	51,360
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	72	81	409
Fabric coating mills	<1	1,143	1,255	7,084
Carpet and rug mills	<1	157	214	1,653
Curtain and linen mills	<1	2,204	2,485	8,715
Textile bag and canvas mills	<1	39,953	42,843	113,118
Rope, cordage, twine, tire cord and tire fabric mills	<1	39,448	46,489	144,454
Other textile product mills	<1	10,440	11,410	34,593
Hosiery and sock mills	<1	1,355	1,927	4,447

Appendix

Other apparel knitting mills	<1	1,509	2,186	4,801
Cut and sew apparel contractors	<1	12,286	13,460	30,632
Mens and boys cut and sew apparel manufacturing	<1	14,148	15,774	40,854
Womens and girls cut and sew apparel manufacturing	<1	7,144	9,317	38,667
Other cut and sew apparel manufacturing	<1	1,949	2,779	9,286
Apparel accessories and other apparel manufacturing	<1	2,543	3,364	10,645
Leather and hide tanning and finishing	<1	12	17	132
Footwear manufacturing	<1	3,166	3,477	15,687
Other leather and allied product manufacturing	<1	471	496	1,769
Sawmills	2	140,666	185,669	573,068
Wood preservation	<1	13,035	25,838	88,135
Veneer and plywood manufacturing	<1	29,388	39,022	118,808
Engineered wood member and truss manufacturing	<1	23,132	29,827	88,339
Reconstituted wood product manufacturing	<1	3,670	6,707	29,383
Wood windows and door manufacturing	2	130,082	158,797	422,104
Cut stock, resawing lumber, and planing	<1	18,019	25,556	71,491
Other millwork, including flooring	<1	34,548	46,211	130,653
Wood container and pallet manufacturing	<1	37,888	45,458	119,468
Manufactured home (mobile home) manufacturing	<1	11	13	48
Prefabricated wood building manufacturing	<1	3,788	4,604	13,639
All other miscellaneous wood product manufacturing	<1	16,614	20,984	65,628
Pulp mills	<1	8,198	11,415	47,723
Paper mills	3	369,411	673,862	2,362,288
Paperboard mills	<1	80,004	162,008	636,450
Paperboard container manufacturing	2	197,266	276,407	1,113,010
Paper bag and coated and treated paper manufacturing	<1	42,686	68,678	243,992
Stationery product manufacturing	<1	12,271	17,067	65,698
Sanitary paper product manufacturing	<1	4,760	11,701	55,707
All other converted paper product manufacturing	<1	19,031	25,872	78,617

Appendix

Printing	8	449,448	653,907	1,341,418
Support activities for printing	<1	18,964	25,925	43,151
Petroleum refineries	1	348,228	2,895,104	9,930,668
Asphalt paving mixture and block manufacturing	<1	11,233	18,761	68,514
Asphalt shingle and coating materials manufacturing	<1	7,867	33,736	79,466
Petroleum lubricating oil and grease manufacturing	<1	7,043	28,827	75,069
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	16,645	121,154	581,578
Industrial gas manufacturing	<1	15,922	31,599	102,788
Synthetic dye and pigment manufacturing	<1	5,236	9,831	33,498
Other basic inorganic chemical manufacturing	<1	64,402	133,863	456,939
Other basic organic chemical manufacturing	<1	27,442	53,811	438,873
Plastics material and resin manufacturing	<1	48,093	79,182	630,242
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	18,885	43,194	158,184
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	8,973	16,971	64,413
Pesticide and other agricultural chemical manufacturing	<1	22,589	62,694	301,117
Medicinal and botanical manufacturing	<1	5,629	8,827	37,961
Pharmaceutical preparation manufacturing	<1	34,134	109,871	396,710
In-vitro diagnostic substance manufacturing	<1	7,847	11,041	30,560
Biological product (except diagnostic) manufacturing	<1	32,150	62,011	150,347
Paint and coating manufacturing	<1	11,816	21,810	94,208
Adhesive manufacturing	<1	8,690	13,443	53,885
Soap and other detergent manufacturing	<1	21,152	63,146	311,719
Polish and other sanitation good manufacturing	<1	15,085	22,566	84,204
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	30,690	90,816	266,037
Printing ink manufacturing	<1	4,426	4,812	18,780

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	3,842	8,071	28,147
Other miscellaneous chemical product manufacturing	<1	22,306	35,724	141,928
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	59,700	82,168	354,875
Unlaminated plastics profile shape manufacturing	<1	62,188	104,387	393,585
Plastics pipe and pipe fitting manufacturing	<1	15,591	30,880	141,757
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	8,877	13,224	50,462
Polystyrene foam product manufacturing	<1	25,977	36,568	137,991
Urethane and other foam product (except polystyrene) manufacturing	<1	51,210	69,172	260,799
Plastics bottle manufacturing	<1	25,422	34,721	171,835
Other plastics product manufacturing	4	273,792	345,847	1,217,637
Tire manufacturing	<1	3,343	4,382	22,202
Rubber and plastics hoses and belting manufacturing	<1	8,378	10,832	37,854
Other rubber product manufacturing	<1	26,513	33,090	126,341
Pottery, ceramics, and plumbing fixture manufacturing	<1	6,813	10,165	19,050
Brick, tile, and other structural clay product manufacturing	<1	7,577	13,941	34,006
Flat glass manufacturing	<1	15,840	35,049	74,023
Other pressed and blown glass and glassware manufacturing	<1	36,140	67,847	221,525
Glass container manufacturing	<1	23,813	40,544	92,434
Glass product manufacturing made of purchased glass	2	117,562	212,397	478,213
Cement manufacturing	<1	11,225	29,168	70,414
Ready-mix concrete manufacturing	<1	79,308	142,119	403,533
Concrete block and brick manufacturing	<1	5,435	10,493	24,654
Concrete pipe manufacturing	<1	1,863	3,350	8,702
Other concrete product manufacturing	<1	35,331	51,598	118,151
Lime manufacturing	<1	9,887	25,431	61,116
Gypsum product manufacturing	<1	23,720	68,217	154,746

Appendix

Abrasive product manufacturing	<1	6,361	18,753	29,478
Cut stone and stone product manufacturing	<1	25,745	31,334	64,788
Ground or treated mineral and earth manufacturing	<1	18,050	52,072	100,114
Mineral wool manufacturing	<1	2,155	5,430	12,779
Miscellaneous nonmetallic mineral products manufacturing	<1	1,145	3,515	7,600
Iron and steel mills and ferroalloy manufacturing	<1	9,141	17,904	140,246
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,281	2,258	11,591
Rolled steel shape manufacturing	<1	73,790	158,971	583,650
Steel wire drawing	<1	6,338	9,580	37,546
Alumina refining and primary aluminum production	<1	67,606	105,444	635,849
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	108,105	219,137	868,182
Other aluminum rolling, drawing and extruding	<1	3,753	5,461	27,894
Nonferrous metal (exc aluminum) smelting and refining	<1	5,106	23,325	82,921
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	19,367	23,986	93,924
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	26,390	39,934	106,830
Nonferrous metal foundries	<1	26,183	38,156	108,091
Custom roll forming	<1	1,329	2,349	9,974
Crown and closure manufacturing and metal stamping	<1	16,633	21,526	56,994
Iron and steel forging	<1	1,970	3,343	10,489
Nonferrous forging	<1	6,375	9,571	27,673
Cutlery, utensil, pot, and pan manufacturing	<1	5,687	16,143	46,775
Handtool manufacturing	<1	4,639	7,893	16,161
Prefabricated metal buildings and components manufacturing	<1	8,536	12,497	34,633
Fabricated structural metal manufacturing	<1	56,365	86,160	259,088
Plate work manufacturing	<1	38,549	42,810	129,963
Metal window and door manufacturing	<1	31,253	43,753	109,480
Sheet metal work manufacturing	2	145,192	197,119	454,997

Appendix

Ornamental and architectural metal work manufacturing	<1	45,640	60,904	158,002
Power boiler and heat exchanger manufacturing	<1	635	956	2,725
Metal tank (heavy gauge) manufacturing	<1	8,237	10,754	30,212
Metal cans manufacturing	<1	19,264	45,875	189,502
Metal barrels, drums and pails manufacturing	<1	6,222	7,898	29,397
Hardware manufacturing	<1	10,808	17,583	47,686
Spring and wire product manufacturing	<1	7,393	10,502	34,221
Machine shops	16	1,126,471	1,410,344	2,859,711
Turned product and screw, nut, and bolt manufacturing	<1	12,259	18,762	52,661
Metal heat treating	<1	13,878	20,964	53,514
Metal coating and nonprecious engraving	<1	51,715	95,990	245,052
Electroplating, anodizing, and coloring metal	<1	52,996	61,317	130,964
Valve and fittings, other than plumbing, manufacturing	<1	9,984	16,574	46,001
Plumbing fixture fitting and trim manufacturing	<1	6,221	18,541	58,988
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	4,679	10,519	28,727
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	5,715	11,396	28,385
Fabricated pipe and pipe fitting manufacturing	<1	6,078	7,742	18,934
Other fabricated metal manufacturing	<1	39,254	53,433	146,705
Farm machinery and equipment manufacturing	<1	6,935	9,668	37,985
Lawn and garden equipment manufacturing	<1	374	529	2,828
Construction machinery manufacturing	<1	1,848	3,066	11,732
Mining machinery and equipment manufacturing	<1	720	925	2,871
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	1,608	1,723	5,026

Appendix

Sawmill, woodworking, and paper machinery	<1	11,903	12,734	36,157
Printing machinery and equipment manufacturing	<1	177	187	494
All other industrial machinery manufacturing	<1	1,847	2,095	6,387
Optical instrument and lens manufacturing	<1	226	271	700
Photographic and photocopying equipment manufacturing	<1	700	809	3,434
Other commercial service industry machinery manufacturing	<1	5,534	7,280	26,328
Air purification and ventilation equipment manufacturing	<1	598	709	1,820
Heating equipment (except warm air furnaces) manufacturing	<1	36,178	44,804	161,476
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	15,988	22,562	83,068
Industrial mold manufacturing	<1	9,179	9,868	19,407
Special tool, die, jig, and fixture manufacturing	<1	9,056	10,209	20,218
Cutting tool and machine tool accessory manufacturing	<1	3,365	3,584	8,962
Machine tool manufacturing	<1	5,958	6,624	15,902
Rolling mill and other metalworking machinery manufacturing	<1	1,643	1,791	4,375
Turbine and turbine generator set units manufacturing	<1	127	146	570
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2,331	2,907	9,314
Mechanical power transmission equipment manufacturing	<1	1,173	1,503	4,244
Other engine equipment manufacturing	<1	581	895	3,913
Pump and pumping equipment manufacturing	<1	1,387	1,888	6,176
Air and gas compressor manufacturing	<1	48	69	352
Elevator and moving stairway manufacturing	<1	473	560	1,928
Conveyor and conveying equipment manufacturing	<1	694	741	2,016
Overhead cranes, hoists, and monorail systems manufacturing	<1	17,494	20,304	81,520
Industrial truck, trailer, and stacker manufacturing	<1	404	536	1,987

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Power-driven handtool manufacturing	<1	69	122	558
Welding and soldering equipment manufacturing	<1	356	432	1,848
Packaging machinery manufacturing	<1	6,249	7,288	22,066
Industrial process furnace and oven manufacturing	<1	2	2	6
Fluid power cylinder and actuator manufacturing	<1	8,889	10,734	29,567
Fluid power pump and motor manufacturing	<1	175	225	1,027
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	2,996	3,334	10,326
Electronic computer manufacturing	<1	3,585	7,426	17,926
Computer storage device manufacturing	<1	2,169	5,364	16,754
Computer terminals and other computer peripheral equipment manufacturing	<1	5,525	9,193	21,779
Telephone apparatus manufacturing	<1	2,578	4,020	12,538
Broadcast and wireless communications equipment manufacturing	<1	1,588	2,443	5,325
Other communications equipment manufacturing	<1	1,007	1,687	5,603
Audio and video equipment manufacturing	<1	2,419	4,112	12,904
Printed circuit assembly (electronic assembly) manufacturing	<1	5,718	10,385	48,391
Bare printed circuit board manufacturing	<1	1,283	1,693	4,254
Semiconductor and related device manufacturing	<1	14,558	25,185	84,650
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	456	654	1,831
Electronic connector manufacturing	<1	19,158	29,269	81,088
Other electronic component manufacturing	<1	16,158	21,875	57,277
Electromedical and electrotherapeutic apparatus manufacturing	<1	9,447	18,141	37,888
Search, detection, and navigation instruments manufacturing	<1	645	1,126	2,364
Automatic environmental control manufacturing	<1	5,135	6,924	16,456

Appendix

Industrial process variable instruments manufacturing	<1	4,051	6,417	15,178
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	35,664	56,934	167,911
Analytical laboratory instrument manufacturing	5	524,590	908,300	2,048,500
Irradiation apparatus manufacturing	<1	19	37	98
Watch, clock, and other measuring and controlling device manufacturing	<1	3,059	5,685	13,781
Blank magnetic and optical recording media manufacturing	<1	295	928	4,422
Software and other prerecorded and record reproducing	<1	375	548	1,491
Electric lamp bulb and part manufacturing	<1	257	407	1,106
Lighting fixture manufacturing	<1	53,288	68,485	178,747
Small electrical appliance manufacturing	<1	11,439	18,846	46,677
Household cooking appliance manufacturing	<1	4,999	8,182	20,753
Household refrigerator and home freezer manufacturing	<1	5,512	9,273	22,850
Household laundry equipment manufacturing	<1	12,666	17,731	53,136
Other major household appliance manufacturing	<1	2,207	3,874	9,071
Power, distribution, and specialty transformer manufacturing	<1	1,090	1,418	4,017
Motor and generator manufacturing	<1	1,860	2,645	7,678
Switchgear and switchboard apparatus manufacturing	<1	1,449	2,064	5,442
Relay and industrial control manufacturing	<1	52,699	64,535	177,336
Storage battery manufacturing	<1	933	1,178	5,439
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	709	939	4,441
Wiring device manufacturing	<1	2,119	3,202	11,300
Carbon and graphite product manufacturing	<1	3,719	5,279	17,802
All other miscellaneous electrical equipment and component manufacturing	<1	7,989	8,587	24,677
Automobile manufacturing	<1	14,205	45,280	147,594

Appendix

Light truck and utility vehicle manufacturing	<1	8,249	14,811	135,054
Heavy duty truck manufacturing	<1	844	1,952	8,889
Motor vehicle body manufacturing	<1	1,287	1,686	6,612
Truck trailer manufacturing	<1	53	64	261
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	28,215	31,050	143,504
Motor vehicle gasoline engine and engine parts manufacturing	<1	13,619	19,850	131,379
Motor vehicle electrical and electronic equipment manufacturing	<1	44,902	56,846	292,231
Motor vehicle transmission and power train parts manufacturing	<1	301	459	3,202
Motor vehicle seating and interior trim manufacturing	<1	1,017	1,168	6,946
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	1	91,866	119,088	611,546
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	28,382	44,098	184,483
Aircraft manufacturing	<1	16,728	40,803	106,392
Aircraft engine and engine parts manufacturing	<1	1,728	4,327	11,246
Other aircraft parts and auxiliary equipment manufacturing	1	87,234	134,378	330,521
Guided missile and space vehicle manufacturing	<1	367	620	1,155
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	246	385	727
Railroad rolling stock manufacturing	<1	117	143	653
Ship building and repairing	<1	24,473	31,247	71,027
Boat building	3	161,037	225,151	772,436
Motorcycle, bicycle, and parts manufacturing	<1	1,118	4,012	15,935
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	4,504	8,916	33,613
Wood kitchen cabinet and countertop manufacturing	2	103,785	121,369	313,174
Upholstered household furniture manufacturing	<1	889	970	4,017

Appendix

Nonupholstered wood household furniture manufacturing	<1	17,894	19,347	55,755
Other household nonupholstered furniture manufacturing	<1	1,001	1,310	5,960
Institutional furniture manufacturing	1	57,310	61,381	212,998
Wood office furniture manufacturing	<1	1,058	1,255	4,052
Custom architectural woodwork and millwork	<1	853	780	2,414
Office furniture, except wood, manufacturing	<1	646	858	3,023
Showcase, partition, shelving, and locker manufacturing	<1	5,765	6,905	21,616
Mattress manufacturing	<1	16,590	22,831	102,915
Blind and shade manufacturing	<1	1,022	1,057	3,929
Surgical and medical instrument manufacturing	<1	6,578	8,405	21,539
Surgical appliance and supplies manufacturing	<1	26,255	35,068	112,937
Dental equipment and supplies manufacturing	<1	967	1,162	3,985
Ophthalmic goods manufacturing	<1	29,613	38,012	106,479
Dental laboratories	<1	20,951	21,441	39,953
Jewelry and silverware manufacturing	<1	28,442	45,628	114,982
Sporting and athletic goods manufacturing	1	81,706	93,534	305,406
Doll, toy, and game manufacturing	<1	96,221	108,019	277,857
Office supplies (except paper) manufacturing	<1	10,103	11,718	42,510
Sign manufacturing	<1	18,844	15,412	39,026
Gasket, packing, and sealing device manufacturing	<1	15,724	17,063	50,982
Musical instrument manufacturing	<1	7,556	7,701	20,575
Fasteners, buttons, needles, and pins manufacturing	<1	12,659	13,935	29,585
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	60,927	70,914	184,148
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	235,310	557,251	1,180,269
Wholesale - Professional and commercial equipment and supplies	7	1,208,611	2,226,421	3,156,494

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Wholesale - Household appliances and electrical and electronic goods	3	367,632	856,551	1,527,618
Wholesale - Machinery, equipment, and supplies	5	494,725	1,004,344	1,616,583
Wholesale - Other durable goods merchant wholesalers	12	1,010,436	1,810,935	3,255,213
Wholesale - Drugs and druggists' sundries	3	428,899	1,203,887	2,236,016
Wholesale - Grocery and related product wholesalers	13	991,070	1,363,154	2,593,982
Wholesale - Petroleum and petroleum products	1	99,132	2,287,656	2,492,637
Wholesale - Other nondurable goods merchant wholesalers	17	1,399,431	3,431,204	5,736,453
Wholesale - Wholesale electronic markets and agents and brokers	7	894,616	933,182	1,063,220
Retail - Motor vehicle and parts dealers	14	910,838	1,496,387	2,092,830
Retail - Furniture and home furnishings stores	10	496,682	726,281	1,068,377
Retail - Electronics and appliance stores	10	666,679	546,708	904,571
Retail - Building material and garden equipment and supplies stores	12	650,366	1,136,307	1,604,017
Retail - Food and beverage stores	43	1,634,016	2,244,061	3,481,623
Retail - Health and personal care stores	16	788,029	993,054	1,473,695
Retail - Gasoline stores	8	462,819	743,487	1,164,508
Retail - Clothing and clothing accessories stores	18	556,136	976,343	1,831,002
Retail - Sporting goods, hobby, musical instrument and book stores	13	410,355	613,078	923,147
Retail - General merchandise stores	40	1,657,799	2,577,667	3,771,258
Retail - Miscellaneous store retailers	24	970,867	1,138,982	1,616,652
Retail - Nonstore retailers	17	3,139,452	5,306,597	6,460,629
Air transportation	11	1,309,910	3,141,382	5,083,162
Rail transportation	2	274,095	631,210	1,123,818
Water transportation	2	281,678	471,081	1,728,741
Truck transportation	21	1,576,224	1,864,961	3,438,748
Transit and ground passenger transportation	38	954,110	1,245,277	1,606,855
Pipeline transportation	<1	61,792	167,155	192,030
Scenic and sightseeing transportation and support activities for transportation	21	2,363,960	2,510,610	4,071,588

Appendix

Couriers and messengers	18	527,564	711,364	1,366,935
Warehousing and storage	14	695,791	791,413	1,400,430
Newspaper publishers	2	118,779	216,064	266,228
Periodical publishers	<1	101,825	170,351	234,708
Book publishers	<1	44,531	150,521	231,232
Directory, mailing list, and other publishers	<1	10,121	31,097	45,253
Greeting card publishing	<1	11,013	33,041	46,444
Software publishers	11	3,444,348	8,542,818	8,821,864
Motion picture and video industries	6	292,123	426,918	1,270,567
Sound recording industries	<1	87,911	281,746	495,145
Radio and television broadcasting	3	759,289	815,215	1,549,186
Cable and other subscription programming	<1	12,953	29,117	78,142
Wired telecommunications carriers	5	591,945	1,074,206	2,268,724
Wireless telecommunications carriers (except satellite)	3	679,269	2,547,185	5,800,214
Satellite, telecommunications resellers, and all other telecommunications	<1	72,316	92,286	203,791
Data processing, hosting, and related services	9	1,548,990	2,895,185	5,479,377
News syndicates, libraries, archives and all other information services	<1	72,891	114,017	206,586
Internet publishing and broadcasting and web search portals	16	6,163,354	12,409,389	23,513,679
Nondepository credit intermediation and related activities	9	1,235,582	1,611,225	2,340,989
Securities and commodity contracts intermediation and brokerage	20	1,617,401	1,455,403	2,748,361
Monetary authorities and depository credit intermediation	36	3,937,290	12,122,110	17,877,687
Other financial investment activities	26	1,756,400	2,244,311	5,607,635
Direct life insurance carriers	4	531,238	1,001,174	1,360,150
Insurance carriers, except direct life	17	1,577,070	4,937,854	10,172,766
Insurance agencies, brokerages, and related activities	22	1,972,535	3,026,230	6,592,168
Funds, trusts, and other financial vehicles	9	396,680	513,510	2,590,246
Other real estate	246	7,917,789	28,064,183	57,037,668
Tenant-occupied housing	20	643,718	8,281,980	9,200,310

Appendix

Owner-occupied dwellings	0	0	23,543,731	29,887,731
Automotive equipment rental and leasing	5	255,705	936,849	1,283,544
General and consumer goods rental except video tapes and discs	5	251,382	449,145	703,855
Video tape and disc rental	2	95,760	177,343	251,863
Commercial and industrial machinery and equipment rental and leasing	4	341,155	966,180	1,338,073
Lessors of nonfinancial intangible assets	<1	50,992	971,833	1,191,277
Legal services	66	6,402,970	14,616,735	18,233,893
Accounting, tax preparation, bookkeeping, and payroll services	27	2,116,711	3,364,237	4,589,746
Architectural, engineering, and related services	42	3,806,188	4,496,123	7,365,415
Specialized design services	3	261,388	535,340	711,879
Custom computer programming services	12	1,505,917	1,791,726	2,255,512
Computer systems design services	16	1,667,634	1,647,048	2,052,944
Other computer related services, including facilities management	6	632,494	1,065,107	1,696,861
Management consulting services	77	8,285,507	8,816,246	12,910,475
Environmental and other technical consulting services	14	1,254,864	1,361,045	1,979,336
Scientific research and development services	1,445	179,868,523	286,802,502	442,344,729
Advertising, public relations, and related services	13	1,012,378	1,675,263	2,644,110
Photographic services	1	49,160	166,680	272,121
Veterinary services	7	333,799	479,121	697,148
Marketing research and all other miscellaneous professional, scientific, and technical services	13	1,211,699	2,971,109	4,408,190
Management of companies and enterprises	87	12,490,259	14,049,020	22,004,998
Office administrative services	17	1,396,068	489,848	1,184,708
Facilities support services	3	153,200	221,258	452,884
Employment services	110	6,195,995	8,722,763	11,885,157
Business support services	19	1,210,095	1,010,865	1,584,403
Travel arrangement and reservation services	8	847,006	1,075,879	1,840,973
Investigation and security services	18	837,658	834,838	1,152,707
Services to buildings	32	1,165,505	1,613,439	2,770,838
Landscape and horticultural services	21	926,174	1,158,339	1,929,301

Appendix

Other support services	8	493,532	629,882	1,098,010
Waste management and remediation services	8	821,522	1,523,862	2,335,375
Elementary and secondary schools	14	618,219	534,243	632,065
Junior colleges, colleges, universities, and professional schools	364	12,792,780	17,308,715	24,885,651
Other educational services	14	485,985	546,676	1,111,868
Offices of physicians	52	6,620,353	6,901,208	9,263,208
Offices of dentists	21	1,403,555	1,724,012	2,458,963
Offices of other health practitioners	20	1,151,083	1,619,934	2,168,979
Outpatient care centers	22	2,071,132	1,921,511	2,962,005
Medical and diagnostic laboratories	5	438,944	611,596	843,665
Home health care services	12	732,547	705,721	859,161
Other ambulatory health care services	5	386,790	426,425	632,412
Hospitals	80	8,380,218	9,690,534	16,765,900
Nursing and community care facilities	34	1,541,985	1,702,632	2,866,160
Residential mental retardation, mental health, substance abuse and other facilities	9	409,771	437,945	670,225
Individual and family services	71	2,343,990	2,125,928	3,023,849
Child day care services	18	626,064	1,009,992	1,275,752
Community food, housing, and other relief services, including rehabilitation services	14	602,388	602,399	1,193,117
Performing arts companies	9	247,566	415,550	692,517
Commercial Sports Except Racing	17	569,984	647,908	957,946
Racing and Track Operation	1	30,416	72,465	115,892
Independent artists, writers, and performers	4	117,737	540,694	713,239
Promoters of performing arts and sports and agents for public figures	9	204,858	477,973	876,872
Museums, historical sites, zoos, and parks	2	136,216	186,486	277,493
Amusement parks and arcades	<1	21,880	48,273	69,883
Gambling industries (except casino hotels)	8	349,616	1,054,559	1,464,282
Other amusement and recreation industries	12	307,903	386,660	689,790
Fitness and recreational sports centers	12	264,331	384,116	664,681
Bowling centers	2	50,150	79,025	126,205

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Hotels and motels, including casino hotels	16	759,465	1,738,483	2,346,730
Other accommodations	4	150,866	233,185	307,536
Full-service restaurants	92	3,020,546	4,900,224	7,402,850
Limited-service restaurants	72	1,991,419	3,609,327	6,565,087
All other food and drinking places	61	2,078,324	3,232,540	4,568,861
Automotive repair and maintenance, except car washes	33	2,046,399	2,133,174	3,125,259
Car washes	15	920,315	1,501,228	2,134,317
Electronic and precision equipment repair and maintenance	6	566,281	812,630	1,102,110
Commercial and industrial machinery and equipment repair and maintenance	8	735,811	701,269	997,612
Personal and household goods repair and maintenance	4	314,324	562,328	731,264
Personal care services	30	1,076,983	873,496	1,142,553
Death care services	3	123,969	46,640	76,714
Dry-cleaning and laundry services	10	414,336	135,405	211,352
Other personal services	18	689,718	867,701	1,181,136
Religious organizations	62	4,445,478	1,126,144	4,872,582
Grantmaking, giving, and social advocacy organizations	10	911,052	2,359,286	3,381,866
Business and professional associations	4	348,163	552,207	924,453
Labor and civic organizations	15	495,368	1,198,450	2,127,566
Private households	24	383,200	383,142	383,142
Postal service	8	762,606	762,810	811,412
Federal electric utilities	2	413,529	713,605	2,526,595
Other federal government enterprises	3	130,454	120,365	685,502
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	3	423,007	510,946	863,337
Local government passenger transit	8	877,975	-402,258	534,536
Local government electric utilities	5	673,651	1,905,042	3,146,126
Other local government enterprises	24	2,112,754	4,591,963	8,580,992
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

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* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	25	4,053,219	5,132,106	10,361,311

Moon to Mars Campaign

Table 767: Detailed M2M Campaign Impacts by Types of Impact, Washington

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>3,712</i>	<i>348,645,871</i>	<i>581,617,848</i>	<i>917,935,270</i>
Oilseed farming	<1	33,413	101,376	171,302
Grain farming	5	417,192	525,032	1,676,403
Vegetable and melon farming	4	193,383	287,463	474,250
Fruit farming	8	316,265	482,296	637,859
Tree nut farming	<1	1,951	3,088	4,014
Greenhouse, nursery, and floriculture production	2	77,687	98,860	145,917
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	3,068	3,691	5,694
All other crop farming	5	105,897	133,694	201,935
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	4	235,037	364,197	927,259
Dairy cattle and milk production	1	84,104	127,896	545,186
Poultry and egg production	<1	27,601	40,489	317,000
Animal production, except cattle and poultry and eggs	3	195,626	389,689	554,827
Forestry, forest products, and timber tract production	<1	15,643	14,939	16,903
Commercial logging	1	139,061	123,865	156,413
Commercial fishing	1	185,973	115,731	124,198
Commercial hunting and trapping	<1	547	994	1,285
Support activities for agriculture and forestry	13	603,581	540,481	653,900
Oil and gas extraction	1	136	1,247	429,779

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Coal mining	<1	20,259	14,733	35,912
Copper, nickel, lead, and zinc mining	2	277,461	269,113	777,686
Iron ore mining	0	0	0	0
Gold ore mining	<1	104,018	111,046	107,773
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	33,725	19,524	80,718
Sand and gravel mining	<1	71,364	59,344	138,443
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	14,839	10,810	29,069
Drilling oil and gas wells	<1	3	6	47
Support activities for oil and gas operations	<1	6	10	164
Metal mining services	<1	1,301	2,665	25,335
Other nonmetallic minerals services	<1	11	31	799
Electric power generation - Hydroelectric	<1	33,628	183,031	285,864
Electric power generation - Fossil fuel	<1	39,216	278,408	495,565
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	486	2,779	3,971
Electric power generation - Wind	<1	6,616	109,970	157,630
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	661	7,698	16,116
Electric power generation - All other	<1	598	892	1,887
Electric power transmission and distribution	2	377,323	2,273,714	4,047,772
Natural gas distribution	<1	101,239	474,023	778,484
Water, sewage and other systems	<1	19,573	60,734	92,990
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	14	1,143,711	1,857,259	3,501,431
Maintenance and repair construction of residential structures	6	509,725	805,509	1,476,692
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	751	1,207	2,323
Dog and cat food manufacturing	<1	20,608	57,931	267,679
Other animal food manufacturing	<1	66,051	125,420	869,287
Flour milling	<1	11,951	21,059	146,520
Rice milling	0	0	0	0
Malt manufacturing	<1	11,448	19,876	137,035
Wet corn milling	<1	32,461	83,286	518,538
Soybean and other oilseed processing	<1	25,773	122,687	1,404,773
Fats and oils refining and blending	<1	435	832	9,933
Breakfast cereal manufacturing	<1	53,818	121,045	401,722
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	8,417	12,472	78,913
Chocolate and confectionery manufacturing from cacao beans	<1	7,504	11,018	52,377
Confectionery manufacturing from purchased chocolate	<1	36,324	48,815	231,624
Frozen fruits, juices and vegetables manufacturing	1	76,551	142,542	546,813
Frozen specialties manufacturing	1	95,714	127,278	478,400
Canned fruits and vegetables manufacturing	<1	57,013	106,919	470,777

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Canned specialties	<1	1,317	2,960	24,341
Dehydrated food products manufacturing	<1	29,144	48,129	191,358
Cheese manufacturing	<1	11,157	15,802	218,339
Dry, condensed, and evaporated dairy product manufacturing	<1	23,998	52,897	293,462
Fluid milk manufacturing	<1	42,613	65,194	416,367
Creamery butter manufacturing	<1	8,502	32,224	202,515
Ice cream and frozen dessert manufacturing	<1	7,594	10,346	40,085
Frozen cakes and other pastries manufacturing	2	97,166	140,574	239,221
Poultry processing	1	72,971	91,580	379,629
Animal, except poultry, slaughtering	3	167,978	210,013	1,623,206
Meat processed from carcasses	2	150,338	149,426	1,025,482
Rendering and meat byproduct processing	<1	9,336	10,836	48,618
Seafood product preparation and packaging	1	150,402	187,943	649,246
Bread and bakery product, except frozen, manufacturing	6	257,975	357,355	861,707
Cookie and cracker manufacturing	<1	40,739	59,140	201,017
Dry pasta, mixes, and dough manufacturing	<1	36,139	72,566	236,937
Tortilla manufacturing	<1	3,465	4,193	17,991
Roasted nuts and peanut butter manufacturing	<1	36,013	75,813	245,113
Other snack food manufacturing	<1	63,059	121,914	417,611
Coffee and tea manufacturing	<1	36,722	64,836	351,386
Flavoring syrup and concentrate manufacturing	<1	6,208	40,264	177,194
Mayonnaise, dressing, and sauce manufacturing	<1	2,507	4,407	21,903
Spice and extract manufacturing	<1	21,716	35,005	160,713
All other food manufacturing	1	56,576	79,714	388,217
Bottled and canned soft drinks & water	2	137,028	221,269	978,323
Manufactured ice	<1	3,271	1,624	7,501
Breweries	2	75,394	184,140	636,382
Wineries	3	138,971	220,011	825,732
Distilleries	<1	17,038	105,437	244,637
Tobacco product manufacturing	<1	1,744	86,918	162,891
Fiber, yarn, and thread mills	<1	1,020	1,457	8,755
Broadwoven fabric mills	<1	8,617	11,841	51,681
Narrow fabric mills and schiffli machine embroidery	<1	384	410	1,333

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Nonwoven fabric mills	<1	9,280	11,929	53,289
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	89	101	488
Fabric coating mills	<1	1,273	1,376	7,420
Carpet and rug mills	<1	139	218	1,421
Curtain and linen mills	<1	2,100	2,432	8,208
Textile bag and canvas mills	<1	35,261	38,501	98,570
Rope, cordage, twine, tire cord and tire fabric mills	<1	24,297	30,162	89,359
Other textile product mills	<1	9,848	10,929	31,761
Hosiery and sock mills	<1	1,097	1,629	3,377
Other apparel knitting mills	<1	1,614	2,294	4,853
Cut and sew apparel contractors	<1	14,011	15,296	33,804
Mens and boys cut and sew apparel manufacturing	<1	15,754	17,710	42,629
Womens and girls cut and sew apparel manufacturing	<1	8,848	11,542	46,043
Other cut and sew apparel manufacturing	<1	1,934	2,741	8,680
Apparel accessories and other apparel manufacturing	<1	2,773	3,677	10,830
Leather and hide tanning and finishing	<1	10	14	107
Footwear manufacturing	<1	2,884	3,213	13,768
Other leather and allied product manufacturing	<1	507	535	1,841
Sawmills	1	100,443	133,589	416,258
Wood preservation	<1	8,586	17,292	59,343
Veneer and plywood manufacturing	<1	19,990	26,870	82,531
Engineered wood member and truss manufacturing	<1	19,262	24,711	72,892
Reconstituted wood product manufacturing	<1	2,738	4,969	21,448
Wood windows and door manufacturing	1	93,797	115,247	302,884
Cut stock, resawing lumber, and planing	<1	13,523	19,396	53,743
Other millwork, including flooring	<1	27,975	37,463	102,608
Wood container and pallet manufacturing	<1	31,601	38,374	98,582
Manufactured home (mobile home) manufacturing	<1	7	9	33
Prefabricated wood building manufacturing	<1	2,677	3,227	9,726
All other miscellaneous wood product manufacturing	<1	15,588	20,305	58,624
Pulp mills	<1	4,137	5,575	24,126

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Paper mills	2	239,288	405,518	1,516,701
Paperboard mills	<1	55,279	108,109	441,218
Paperboard container manufacturing	2	173,346	242,833	971,428
Paper bag and coated and treated paper manufacturing	<1	37,141	57,013	204,932
Stationery product manufacturing	<1	10,541	14,380	53,905
Sanitary paper product manufacturing	<1	3,997	9,150	45,811
All other converted paper product manufacturing	<1	15,340	20,646	65,163
Printing	5	351,467	521,386	1,017,502
Support activities for printing	<1	21,232	28,987	47,442
Petroleum refineries	<1	267,925	2,168,741	7,413,011
Asphalt paving mixture and block manufacturing	<1	9,422	15,769	55,861
Asphalt shingle and coating materials manufacturing	<1	6,204	26,684	61,591
Petroleum lubricating oil and grease manufacturing	<1	6,567	26,921	67,949
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	12,253	91,017	424,662
Industrial gas manufacturing	<1	13,529	27,388	87,173
Synthetic dye and pigment manufacturing	<1	5,207	10,100	35,081
Other basic inorganic chemical manufacturing	<1	51,512	114,989	377,323
Other basic organic chemical manufacturing	<1	21,227	41,669	349,941
Plastics material and resin manufacturing	<1	37,133	61,930	499,671
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	18,979	44,918	153,244
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	7,551	14,959	55,453
Pesticide and other agricultural chemical manufacturing	<1	15,428	43,096	211,531
Medicinal and botanical manufacturing	<1	6,305	10,361	41,037
Pharmaceutical preparation manufacturing	<1	38,846	130,875	449,406
In-vitro diagnostic substance manufacturing	<1	12,500	17,801	49,232

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Biological product (except diagnostic) manufacturing	<1	47,785	98,285	222,847
Paint and coating manufacturing	<1	10,362	19,874	85,107
Adhesive manufacturing	<1	9,414	15,320	57,733
Soap and other detergent manufacturing	<1	20,581	68,443	285,742
Polish and other sanitation good manufacturing	<1	15,531	24,336	84,306
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	32,891	102,505	287,327
Printing ink manufacturing	<1	5,410	5,899	23,083
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	3,183	7,008	23,481
Other miscellaneous chemical product manufacturing	<1	17,205	28,783	115,398
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	55,480	76,574	323,138
Unlaminated plastics profile shape manufacturing	<1	55,342	93,102	340,178
Plastics pipe and pipe fitting manufacturing	<1	15,366	30,415	139,550
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	5,847	8,718	33,166
Polystyrene foam product manufacturing	<1	21,086	29,720	113,106
Urethane and other foam product (except polystyrene) manufacturing	<1	43,322	58,730	219,827
Plastics bottle manufacturing	<1	26,239	35,884	171,621
Other plastics product manufacturing	4	231,412	294,600	1,001,977
Tire manufacturing	<1	2,237	2,976	15,414
Rubber and plastics hoses and belting manufacturing	<1	6,245	8,041	28,351
Other rubber product manufacturing	<1	26,709	33,276	129,416
Pottery, ceramics, and plumbing fixture manufacturing	<1	5,738	8,242	16,166
Brick, tile, and other structural clay product manufacturing	<1	5,969	10,660	26,724
Flat glass manufacturing	<1	13,980	29,736	64,757
Other pressed and blown glass and glassware manufacturing	<1	35,132	64,139	208,257
Glass container manufacturing	<1	18,842	31,039	72,745

Appendix

Glass product manufacturing made of purchased glass	1	95,746	169,024	386,411
Cement manufacturing	<1	9,424	23,763	58,382
Ready-mix concrete manufacturing	<1	65,404	114,957	328,066
Concrete block and brick manufacturing	<1	5,366	9,908	24,150
Concrete pipe manufacturing	<1	1,472	2,591	6,936
Other concrete product manufacturing	<1	28,271	40,540	94,488
Lime manufacturing	<1	6,012	15,674	37,712
Gypsum product manufacturing	<1	22,307	61,974	143,053
Abrasive product manufacturing	<1	5,452	15,555	24,684
Cut stone and stone product manufacturing	<1	20,660	25,015	51,714
Ground or treated mineral and earth manufacturing	<1	13,053	37,650	72,157
Mineral wool manufacturing	<1	2,262	5,526	12,729
Miscellaneous nonmetallic mineral products manufacturing	<1	1,186	3,399	7,293
Iron and steel mills and ferroalloy manufacturing	<1	6,931	13,024	108,332
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,166	1,977	10,144
Rolled steel shape manufacturing	<1	47,525	98,956	392,946
Steel wire drawing	<1	5,432	8,082	32,038
Alumina refining and primary aluminum production	<1	49,597	74,307	423,250
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	61,793	121,103	517,523
Other aluminum rolling, drawing and extruding	<1	3,360	4,739	24,267
Nonferrous metal (exc aluminum) smelting and refining	<1	3,119	13,211	49,553
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	18,131	21,748	89,153
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	20,269	30,134	83,283
Nonferrous metal foundries	<1	21,167	29,917	85,240
Custom roll forming	<1	1,324	2,284	9,813
Crown and closure manufacturing and metal stamping	<1	16,447	21,278	55,371
Iron and steel forging	<1	2,007	3,376	10,497

Appendix

Nonferrous forging	<1	6,915	10,265	28,765
Cutlery, utensil, pot, and pan manufacturing	<1	5,375	15,639	44,570
Handtool manufacturing	<1	5,185	8,814	17,551
Prefabricated metal buildings and components manufacturing	<1	8,588	11,675	34,232
Fabricated structural metal manufacturing	<1	47,552	71,070	215,326
Plate work manufacturing	<1	20,772	23,147	68,932
Metal window and door manufacturing	<1	33,268	46,015	114,553
Sheet metal work manufacturing	1	102,042	137,669	314,455
Ornamental and architectural metal work manufacturing	<1	40,620	53,423	137,859
Power boiler and heat exchanger manufacturing	<1	974	1,425	4,165
Metal tank (heavy gauge) manufacturing	<1	8,900	11,467	31,516
Metal cans manufacturing	<1	16,221	38,711	158,532
Metal barrels, drums and pails manufacturing	<1	5,136	6,508	23,532
Hardware manufacturing	<1	9,899	15,914	43,048
Spring and wire product manufacturing	<1	9,486	12,928	42,502
Machine shops	3	207,175	259,158	519,922
Turned product and screw, nut, and bolt manufacturing	<1	10,201	15,426	42,591
Metal heat treating	<1	13,539	20,272	51,741
Metal coating and nonprecious engraving	<1	43,328	79,639	203,981
Electroplating, anodizing, and coloring metal	<1	52,684	60,799	129,629
Valve and fittings, other than plumbing, manufacturing	<1	9,004	15,040	41,726
Plumbing fixture fitting and trim manufacturing	<1	6,087	18,025	56,530
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	4,659	10,552	27,239
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	5,544	10,966	26,159
Fabricated pipe and pipe fitting manufacturing	<1	4,798	6,017	15,006
Other fabricated metal manufacturing	<1	34,266	46,644	125,787
Farm machinery and equipment manufacturing	<1	5,977	8,536	32,519

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Lawn and garden equipment manufacturing	<1	430	638	3,143
Construction machinery manufacturing	<1	1,212	2,196	7,780
Mining machinery and equipment manufacturing	<1	444	569	1,739
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	1,657	1,813	5,257
Sawmill, woodworking, and paper machinery	<1	9,408	10,269	28,407
Printing machinery and equipment manufacturing	<1	173	184	467
All other industrial machinery manufacturing	<1	3,010	3,462	10,431
Optical instrument and lens manufacturing	<1	411	484	1,292
Photographic and photocopying equipment manufacturing	<1	871	1,018	4,217
Other commercial service industry machinery manufacturing	<1	6,549	8,831	30,794
Air purification and ventilation equipment manufacturing	<1	683	830	2,135
Heating equipment (except warm air furnaces) manufacturing	<1	25,709	33,478	109,713
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	13,729	19,973	70,538
Industrial mold manufacturing	<1	8,113	8,856	17,117
Special tool, die, jig, and fixture manufacturing	<1	9,029	10,477	20,150
Cutting tool and machine tool accessory manufacturing	<1	2,661	2,865	7,100
Machine tool manufacturing	<1	5,065	5,784	13,934
Rolling mill and other metalworking machinery manufacturing	<1	1,418	1,572	3,758
Turbine and turbine generator set units manufacturing	<1	137	162	572
Speed changer, industrial high-speed drive, and gear manufacturing	<1	2,472	3,178	9,486
Mechanical power transmission equipment manufacturing	<1	1,058	1,383	3,815
Other engine equipment manufacturing	<1	775	1,259	4,730

Appendix

Pump and pumping equipment manufacturing	<1	1,481	2,060	6,608
Air and gas compressor manufacturing	<1	44	67	350
Elevator and moving stairway manufacturing	<1	298	366	1,252
Conveyor and conveying equipment manufacturing	<1	488	528	1,422
Overhead cranes, hoists, and monorail systems manufacturing	<1	2,884	4,298	15,316
Industrial truck, trailer, and stacker manufacturing	<1	335	452	1,635
Power-driven handtool manufacturing	<1	141	255	1,066
Welding and soldering equipment manufacturing	<1	420	524	1,999
Packaging machinery manufacturing	<1	6,972	8,307	24,545
Industrial process furnace and oven manufacturing	<1	1	1	5
Fluid power cylinder and actuator manufacturing	<1	7,419	9,059	25,142
Fluid power pump and motor manufacturing	<1	327	429	1,898
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	3,093	3,499	10,478
Electronic computer manufacturing	<1	3,976	8,207	19,330
Computer storage device manufacturing	<1	2,393	5,946	18,600
Computer terminals and other computer peripheral equipment manufacturing	<1	5,682	9,354	22,122
Telephone apparatus manufacturing	<1	1,984	3,094	9,582
Broadcast and wireless communications equipment manufacturing	<1	1,819	2,802	5,996
Other communications equipment manufacturing	<1	1,085	1,789	6,100
Audio and video equipment manufacturing	<1	3,058	5,170	15,857
Printed circuit assembly (electronic assembly) manufacturing	<1	5,617	10,241	47,261
Bare printed circuit board manufacturing	<1	1,139	1,499	3,908
Semiconductor and related device manufacturing	<1	21,426	36,653	117,863

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	492	708	1,956
Electronic connector manufacturing	<1	21,875	33,437	93,584
Other electronic component manufacturing	<1	16,967	22,944	59,004
Electromedical and electrotherapeutic apparatus manufacturing	<1	10,211	19,421	39,901
Search, detection, and navigation instruments manufacturing	<1	910	1,571	3,236
Automatic environmental control manufacturing	<1	6,740	9,042	21,813
Industrial process variable instruments manufacturing	<1	3,724	5,894	13,873
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	2,690	4,299	12,611
Analytical laboratory instrument manufacturing	<1	20,634	35,680	78,563
Irradiation apparatus manufacturing	<1	21	43	109
Watch, clock, and other measuring and controlling device manufacturing	<1	3,465	6,377	15,251
Blank magnetic and optical recording media manufacturing	<1	615	1,971	7,896
Software and other prerecorded and record reproducing	<1	382	560	1,388
Electric lamp bulb and part manufacturing	<1	290	480	1,247
Lighting fixture manufacturing	<1	13,571	16,938	43,732
Small electrical appliance manufacturing	<1	12,079	20,768	49,044
Household cooking appliance manufacturing	<1	4,151	7,390	18,044
Household refrigerator and home freezer manufacturing	<1	4,564	8,385	19,852
Household laundry equipment manufacturing	<1	10,537	15,722	45,885
Other major household appliance manufacturing	<1	1,898	3,695	8,253
Power, distribution, and specialty transformer manufacturing	<1	1,230	1,621	4,481
Motor and generator manufacturing	<1	1,557	2,173	6,448
Switchgear and switchboard apparatus manufacturing	<1	1,474	2,118	5,470

Appendix

Relay and industrial control manufacturing	<1	43,609	54,463	144,622
Storage battery manufacturing	<1	1,036	1,271	5,752
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	716	946	4,416
Wiring device manufacturing	<1	2,342	3,593	12,078
Carbon and graphite product manufacturing	<1	3,203	4,642	15,516
All other miscellaneous electrical equipment and component manufacturing	<1	1,142	1,261	3,799
Automobile manufacturing	<1	10,729	33,505	108,038
Light truck and utility vehicle manufacturing	<1	5,376	10,053	89,343
Heavy duty truck manufacturing	<1	636	1,444	6,397
Motor vehicle body manufacturing	<1	925	1,214	4,856
Truck trailer manufacturing	<1	36	42	170
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	20,116	22,212	102,287
Motor vehicle gasoline engine and engine parts manufacturing	<1	11,346	16,035	109,908
Motor vehicle electrical and electronic equipment manufacturing	<1	34,630	43,214	206,924
Motor vehicle transmission and power train parts manufacturing	<1	375	560	3,504
Motor vehicle seating and interior trim manufacturing	<1	740	868	4,931
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	1	71,696	85,402	474,653
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	25,853	40,033	163,965
Aircraft manufacturing	<1	11,988	28,593	76,779
Aircraft engine and engine parts manufacturing	<1	10,940	21,393	65,150
Other aircraft parts and auxiliary equipment manufacturing	<1	47,722	68,255	161,245
Guided missile and space vehicle manufacturing	<1	1,574	2,435	4,963
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	1,092	1,590	3,137

Appendix

Railroad rolling stock manufacturing	<1	104	129	559
Ship building and repairing	<1	24,165	30,990	70,359
Boat building	2	118,170	164,043	566,570
Motorcycle, bicycle, and parts manufacturing	<1	1,166	4,212	16,368
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	4,340	8,795	32,468
Wood kitchen cabinet and countertop manufacturing	2	84,591	92,325	242,960
Upholstered household furniture manufacturing	<1	1,012	1,106	4,560
Nonupholstered wood household furniture manufacturing	<1	16,221	17,060	49,071
Other household nonupholstered furniture manufacturing	<1	1,034	1,324	5,934
Institutional furniture manufacturing	<1	142	147	522
Wood office furniture manufacturing	<1	560	634	2,068
Custom architectural woodwork and millwork	<1	782	707	2,136
Office furniture, except wood, manufacturing	<1	193	237	899
Showcase, partition, shelving, and locker manufacturing	<1	4,640	5,174	16,550
Mattress manufacturing	<1	14,948	19,307	89,301
Blind and shade manufacturing	<1	810	829	3,210
Surgical and medical instrument manufacturing	<1	6,299	8,016	19,611
Surgical appliance and supplies manufacturing	<1	28,588	39,059	120,174
Dental equipment and supplies manufacturing	<1	798	949	3,139
Ophthalmic goods manufacturing	<1	29,906	39,467	107,068
Dental laboratories	<1	21,566	22,104	40,847
Jewelry and silverware manufacturing	<1	23,899	38,633	96,522
Sporting and athletic goods manufacturing	<1	69,433	79,505	248,075
Doll, toy, and game manufacturing	<1	88,463	104,306	256,072
Office supplies (except paper) manufacturing	<1	8,558	9,988	34,366
Sign manufacturing	<1	13,315	11,068	27,726
Gasket, packing, and sealing device manufacturing	<1	12,741	13,751	40,447

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Musical instrument manufacturing	<1	10,178	10,761	27,530
Fasteners, buttons, needles, and pins manufacturing	<1	12,568	14,168	30,102
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	53,498	63,123	159,994
Wholesale - Motor vehicle and motor vehicle parts and supplies	3	214,376	513,631	1,085,175
Wholesale - Professional and commercial equipment and supplies	7	1,146,940	2,111,813	2,971,824
Wholesale - Household appliances and electrical and electronic goods	2	312,213	727,911	1,291,625
Wholesale - Machinery, equipment, and supplies	4	416,500	844,788	1,356,965
Wholesale - Other durable goods merchant wholesalers	10	862,755	1,554,550	2,781,250
Wholesale - Drugs and druggists' sundries	3	385,877	1,083,928	1,976,872
Wholesale - Grocery and related product wholesalers	10	792,968	1,090,778	2,067,146
Wholesale - Petroleum and petroleum products	<1	75,121	2,076,073	2,218,410
Wholesale - Other nondurable goods merchant wholesalers	14	1,200,891	3,057,603	4,992,675
Wholesale - Wholesale electronic markets and agents and brokers	6	746,873	779,510	885,580
Retail - Motor vehicle and parts dealers	12	779,174	1,280,544	1,779,725
Retail - Furniture and home furnishings stores	8	433,383	633,855	923,735
Retail - Electronics and appliance stores	8	576,292	479,560	779,193
Retail - Building material and garden equipment and supplies stores	11	560,135	980,982	1,377,977
Retail - Food and beverage stores	38	1,497,626	2,045,093	3,133,131
Retail - Health and personal care stores	14	672,931	852,268	1,263,676
Retail - Gasoline stores	7	409,261	638,110	971,863
Retail - Clothing and clothing accessories stores	16	497,163	866,011	1,593,290
Retail - Sporting goods, hobby, musical instrument and book stores	11	352,583	528,007	785,188
Retail - General merchandise stores	34	1,377,694	2,153,719	3,148,688

Appendix

Retail - Miscellaneous store retailers	20	855,345	1,002,090	1,393,867
Retail - Nonstore retailers	15	2,664,176	4,781,336	5,745,329
Air transportation	10	1,128,242	2,773,346	4,423,068
Rail transportation	2	260,531	518,625	979,476
Water transportation	2	293,328	496,181	1,750,762
Truck transportation	18	1,392,411	1,638,005	3,013,830
Transit and ground passenger transportation	37	1,057,160	1,375,886	1,708,649
Pipeline transportation	<1	34,720	100,935	118,461
Scenic and sightseeing transportation and support activities for transportation	20	2,202,630	2,349,678	3,846,942
Couriers and messengers	17	492,452	678,136	1,300,875
Warehousing and storage	12	623,455	711,134	1,249,692
Newspaper publishers	2	101,541	185,618	225,342
Periodical publishers	<1	110,488	186,270	244,606
Book publishers	<1	39,348	134,021	202,921
Directory, mailing list, and other publishers	<1	7,003	22,168	31,995
Greeting card publishing	<1	9,715	31,087	41,506
Software publishers	9	2,903,084	7,321,346	7,540,040
Motion picture and video industries	5	297,441	434,890	1,160,388
Sound recording industries	<1	83,245	272,959	455,360
Radio and television broadcasting	2	871,621	888,500	1,369,156
Cable and other subscription programming	<1	21,398	33,807	76,379
Wired telecommunications carriers	4	517,942	908,619	1,896,083
Wireless telecommunications carriers (except satellite)	3	620,728	2,378,928	5,306,399
Satellite, telecommunications resellers, and all other telecommunications	<1	66,633	83,162	177,370
Data processing, hosting, and related services	7	1,385,208	2,560,885	4,517,240
News syndicates, libraries, archives and all other information services	<1	77,279	124,132	212,708
Internet publishing and broadcasting and web search portals	13	6,256,098	12,622,121	20,353,040
Nondepository credit intermediation and related activities	8	1,172,216	1,533,296	2,153,132
Securities and commodity contracts intermediation and brokerage	16	1,545,220	1,364,530	2,357,125

Appendix

Monetary authorities and depository credit intermediation	29	3,249,953	10,040,871	14,612,069
Other financial investment activities	23	1,908,369	2,378,663	5,313,582
Direct life insurance carriers	3	418,440	823,692	1,089,648
Insurance carriers, except direct life	14	1,359,671	4,500,183	8,831,064
Insurance agencies, brokerages, and related activities	17	1,612,964	2,548,081	5,364,489
Funds, trusts, and other financial vehicles	7	400,336	532,202	2,296,657
Other real estate	200	7,512,303	25,559,966	48,593,013
Tenant-occupied housing	16	594,982	7,880,467	8,592,338
Owner-occupied dwellings	0	0	22,127,054	28,089,323
Automotive equipment rental and leasing	4	293,887	902,784	1,181,792
General and consumer goods rental except video tapes and discs	3	221,475	375,245	561,018
Video tape and disc rental	1	82,863	151,893	214,960
Commercial and industrial machinery and equipment rental and leasing	3	341,234	874,882	1,187,927
Lessors of nonfinancial intangible assets	<1	46,285	905,907	1,103,509
Legal services	56	5,631,728	13,038,285	16,027,553
Accounting, tax preparation, bookkeeping, and payroll services	23	1,926,846	3,151,087	4,182,857
Architectural, engineering, and related services	37	3,413,096	4,088,845	6,607,993
Specialized design services	2	181,440	384,414	497,638
Custom computer programming services	9	1,183,552	1,396,177	1,731,401
Computer systems design services	13	1,472,547	1,456,593	1,794,189
Other computer related services, including facilities management	5	634,184	1,058,568	1,650,772
Management consulting services	74	8,611,439	9,221,363	13,132,066
Environmental and other technical consulting services	14	1,245,476	1,367,267	1,963,738
Scientific research and development services	1,304	173,427,117	274,178,495	412,095,897
Advertising, public relations, and related services	11	926,844	1,565,863	2,363,840
Photographic services	<1	41,123	149,853	232,932
Veterinary services	5	291,486	428,738	610,238
Marketing research and all other miscellaneous professional, scientific, and technical services	11	1,009,091	2,568,628	3,688,063

Appendix

Management of companies and enterprises	77	11,460,354	12,967,712	19,950,466
Office administrative services	18	1,568,577	590,533	1,311,628
Facilities support services	2	144,521	209,684	402,324
Employment services	91	5,685,670	8,159,493	10,666,263
Business support services	15	973,421	827,455	1,247,788
Travel arrangement and reservation services	7	728,063	930,571	1,579,261
Investigation and security services	15	771,006	772,841	1,035,372
Services to buildings	27	1,048,303	1,476,053	2,431,268
Landscape and horticultural services	16	765,412	965,908	1,569,443
Other support services	6	394,768	508,151	867,220
Waste management and remediation services	7	702,948	1,302,605	1,975,537
Elementary and secondary schools	14	662,842	573,656	670,419
Junior colleges, colleges, universities, and professional schools	24	951,322	1,279,302	1,783,675
Other educational services	12	445,978	505,371	995,742
Offices of physicians	46	5,798,584	6,073,135	8,148,465
Offices of dentists	18	1,244,322	1,551,912	2,191,077
Offices of other health practitioners	17	995,630	1,433,066	1,902,009
Outpatient care centers	20	1,863,619	1,740,579	2,709,875
Medical and diagnostic laboratories	4	396,648	564,827	767,904
Home health care services	11	646,682	625,863	767,368
Other ambulatory health care services	4	345,231	383,961	564,744
Hospitals	77	8,294,738	9,522,528	16,391,219
Nursing and community care facilities	30	1,412,339	1,560,840	2,577,457
Residential mental retardation, mental health, substance abuse and other facilities	9	413,071	442,370	666,448
Individual and family services	65	2,188,942	2,004,035	2,820,989
Child day care services	16	583,774	954,056	1,185,495
Community food, housing, and other relief services, including rehabilitation services	14	605,184	607,342	1,177,633
Performing arts companies	8	253,691	418,917	652,887
Commercial Sports Except Racing	15	520,645	571,690	838,112
Racing and Track Operation	<1	29,510	70,445	102,167
Independent artists, writers, and performers	4	122,761	523,121	675,378

Appendix

Promoters of performing arts and sports and agents for public figures	7	198,170	450,165	783,249
Museums, historical sites, zoos, and parks	2	121,914	166,706	244,060
Amusement parks and arcades	<1	21,652	42,859	62,032
Gambling industries (except casino hotels)	7	327,573	962,964	1,319,882
Other amusement and recreation industries	9	267,892	322,847	570,177
Fitness and recreational sports centers	11	249,897	345,586	591,823
Bowling centers	1	43,653	66,797	105,544
Hotels and motels, including casino hotels	15	781,072	1,759,770	2,347,444
Other accommodations	4	168,764	259,138	337,511
Full-service restaurants	78	2,645,525	4,338,447	6,432,234
Limited-service restaurants	62	1,784,384	3,258,281	5,771,004
All other food and drinking places	53	1,929,076	3,001,799	4,152,063
Automotive repair and maintenance, except car washes	29	1,897,201	1,912,306	2,799,732
Car washes	13	834,484	1,354,428	1,915,136
Electronic and precision equipment repair and maintenance	5	487,053	705,213	936,494
Commercial and industrial machinery and equipment repair and maintenance	6	600,099	562,313	789,244
Personal and household goods repair and maintenance	4	283,998	494,733	641,671
Personal care services	27	1,007,924	790,320	1,036,515
Death care services	3	127,234	41,560	70,703
Dry-cleaning and laundry services	9	394,164	111,776	180,718
Other personal services	16	633,897	788,705	1,066,084
Religious organizations	59	4,229,485	930,386	4,452,787
Grantmaking, giving, and social advocacy organizations	9	797,256	1,941,682	2,786,728
Business and professional associations	3	329,220	496,845	821,748
Labor and civic organizations	15	502,875	1,145,144	2,068,525
Private households	20	365,942	365,942	365,942
Postal service	7	676,799	677,098	719,460
Federal electric utilities	<1	166,078	291,573	1,028,895
Other federal government enterprises	1	57,489	59,352	267,244
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	1	204,546	246,448	390,687
Local government passenger transit	6	804,531	-391,356	387,155
Local government electric utilities	3	533,443	1,428,454	2,338,375
Other local government enterprises	18	1,672,990	3,451,960	6,433,450
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	264,717	259,761	594,264

Investments in Climate Change Research and Technology

Table 768: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>287</i>	<i>20,273,887</i>	<i>33,803,693</i>	<i>56,515,256</i>
Oilseed farming	<1	1,888	3,380	4,798
Grain farming	<1	30,946	30,721	123,525
Vegetable and melon farming	<1	12,032	17,663	29,475
Fruit farming	<1	17,276	26,663	35,318
Tree nut farming	<1	70	111	146
Greenhouse, nursery, and floriculture production	<1	5,179	6,591	10,058
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	255	312	484
All other crop farming	<1	9,729	11,869	18,678
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	16,594	33,696	95,026

Appendix

Dairy cattle and milk production	<1	5,107	8,682	39,763
Poultry and egg production	<1	2,732	3,529	33,331
Animal production, except cattle and poultry and eggs	<1	21,361	31,912	43,169
Forestry, forest products, and timber tract production	<1	804	773	919
Commercial logging	<1	9,502	8,454	11,541
Commercial fishing	<1	12,615	13,227	13,919
Commercial hunting and trapping	<1	21	74	94
Support activities for agriculture and forestry	<1	40,232	36,362	43,936
Oil and gas extraction	<1	18	131	43,225
Coal mining	<1	2,943	2,921	6,906
Copper, nickel, lead, and zinc mining	<1	38,059	32,014	99,438
Iron ore mining	0	0	0	0
Gold ore mining	<1	7,226	7,619	7,223
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,863	1,508	5,856
Sand and gravel mining	<1	3,544	3,479	8,244
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	480	405	1,106
Drilling oil and gas wells	<1	<1	1	9
Support activities for oil and gas operations	<1	<1	<1	16
Metal mining services	<1	323	609	5,258
Other nonmetallic minerals services	<1	1	2	63
Electric power generation - Hydroelectric	<1	2,398	12,376	19,465
Electric power generation - Fossil fuel	<1	1,828	14,164	28,305
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	31	175	259
Electric power generation - Wind	<1	718	11,582	17,850
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	43	455	1,076
Electric power generation - All other	<1	23	35	91
Electric power transmission and distribution	<1	23,459	145,632	277,982
Natural gas distribution	<1	8,150	36,797	64,923
Water, sewage and other systems	<1	2,890	9,066	14,846
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	76,736	124,345	243,798
Maintenance and repair construction of residential structures	<1	29,899	47,021	89,546
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	44	71	140
Dog and cat food manufacturing	<1	1,430	3,772	18,573
Other animal food manufacturing	<1	4,372	7,765	58,425
Flour milling	<1	1,213	2,169	14,985
Rice milling	0	0	0	0
Malt manufacturing	<1	1,471	2,514	17,546
Wet corn milling	<1	2,271	5,408	35,180
Soybean and other oilseed processing	<1	1,395	6,728	79,310
Fats and oils refining and blending	<1	25	47	595
Breakfast cereal manufacturing	<1	3,510	7,651	27,654
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	447	669	4,562
Chocolate and confectionery manufacturing from cacao beans	<1	289	420	2,086
Confectionery manufacturing from purchased chocolate	<1	2,643	3,535	17,946
Frozen fruits, juices and vegetables manufacturing	<1	4,645	8,316	37,130
Frozen specialties manufacturing	<1	6,494	8,747	33,954
Canned fruits and vegetables manufacturing	<1	2,878	5,399	24,426
Canned specialties	<1	116	282	2,298
Dehydrated food products manufacturing	<1	1,423	2,382	9,649
Cheese manufacturing	<1	633	900	12,362
Dry, condensed, and evaporated dairy product manufacturing	<1	1,705	3,714	23,604
Fluid milk manufacturing	<1	3,220	4,828	32,343
Creamery butter manufacturing	<1	748	3,142	20,060
Ice cream and frozen dessert manufacturing	<1	762	1,010	4,362
Frozen cakes and other pastries manufacturing	<1	7,606	11,066	19,341
Poultry processing	<1	7,321	8,701	37,983
Animal, except poultry, slaughtering	<1	19,142	23,626	186,231
Meat processed from carcasses	<1	8,628	8,433	59,863
Rendering and meat byproduct processing	<1	565	647	3,036
Seafood product preparation and packaging	<1	20,132	24,235	94,019
Bread and bakery product, except frozen, manufacturing	<1	20,596	28,613	70,289
Cookie and cracker manufacturing	<1	2,195	2,994	11,757
Dry pasta, mixes, and dough manufacturing	<1	2,201	4,466	13,855
Tortilla manufacturing	<1	238	293	1,318
Roasted nuts and peanut butter manufacturing	<1	1,945	3,876	13,800
Other snack food manufacturing	<1	4,098	8,098	27,957
Coffee and tea manufacturing	<1	3,481	5,940	33,006
Flavoring syrup and concentrate manufacturing	<1	269	1,877	8,066
Mayonnaise, dressing, and sauce manufacturing	<1	187	342	1,775
Spice and extract manufacturing	<1	1,329	2,077	10,414
All other food manufacturing	<1	2,743	3,883	20,043

Appendix

Bottled and canned soft drinks & water	<1	9,208	14,511	66,861
Manufactured ice	<1	201	93	501
Breweries	<1	7,342	17,052	60,868
Wineries	<1	5,021	7,923	31,873
Distilleries	<1	1,295	7,302	18,249
Tobacco product manufacturing	<1	95	3,517	7,481
Fiber, yarn, and thread mills	<1	75	88	657
Broadwoven fabric mills	<1	760	879	4,356
Narrow fabric mills and schiffli machine embroidery	<1	14	15	52
Nonwoven fabric mills	<1	391	480	2,405
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	13
Fabric coating mills	<1	42	48	284
Carpet and rug mills	<1	8	10	84
Curtain and linen mills	<1	118	132	489
Textile bag and canvas mills	<1	1,932	2,052	5,616
Rope, cordage, twine, tire cord and tire fabric mills	<1	2,742	3,123	10,158
Other textile product mills	<1	537	583	1,846
Hosiery and sock mills	<1	69	96	243
Other apparel knitting mills	<1	70	104	236
Cut and sew apparel contractors	<1	497	546	1,277
Mens and boys cut and sew apparel manufacturing	<1	624	692	1,909
Womens and girls cut and sew apparel manufacturing	<1	280	365	1,566
Other cut and sew apparel manufacturing	<1	144	207	713
Apparel accessories and other apparel manufacturing	<1	115	151	519
Leather and hide tanning and finishing	<1	<1	1	9
Footwear manufacturing	<1	229	245	1,247
Other leather and allied product manufacturing	<1	22	23	86
Sawmills	<1	8,085	10,523	32,591
Wood preservation	<1	779	1,521	5,078
Veneer and plywood manufacturing	<1	2,217	2,933	8,756
Engineered wood member and truss manufacturing	<1	1,380	1,740	5,220
Reconstituted wood product manufacturing	<1	281	504	2,126
Wood windows and door manufacturing	<1	7,571	9,246	24,869

Appendix

Cut stock, resawing lumber, and planing	<1	974	1,391	3,909
Other millwork, including flooring	<1	1,857	2,473	7,176
Wood container and pallet manufacturing	<1	2,156	2,596	6,892
Manufactured home (mobile home) manufacturing	<1	1	1	5
Prefabricated wood building manufacturing	<1	221	268	767
All other miscellaneous wood product manufacturing	<1	902	1,138	3,693
Pulp mills	<1	887	1,280	5,301
Paper mills	<1	24,196	49,179	160,756
Paperboard mills	<1	8,617	17,690	67,623
Paperboard container manufacturing	<1	12,822	18,171	73,740
Paper bag and coated and treated paper manufacturing	<1	2,419	4,005	14,683
Stationery product manufacturing	<1	832	1,186	4,693
Sanitary paper product manufacturing	<1	328	812	3,744
All other converted paper product manufacturing	<1	1,149	1,580	4,695
Printing	<1	19,091	26,815	58,620
Support activities for printing	<1	832	1,122	1,908
Petroleum refineries	<1	23,118	179,159	618,638
Asphalt paving mixture and block manufacturing	<1	684	1,133	4,248
Asphalt shingle and coating materials manufacturing	<1	534	2,218	5,170
Petroleum lubricating oil and grease manufacturing	<1	403	1,654	4,454
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	<1	3,397	26,856	135,398
Industrial gas manufacturing	<1	1,233	2,423	7,745
Synthetic dye and pigment manufacturing	<1	314	573	1,817
Other basic inorganic chemical manufacturing	<1	3,970	7,808	26,713
Other basic organic chemical manufacturing	<1	2,542	4,886	36,404
Plastics material and resin manufacturing	<1	4,455	7,072	51,175
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	958	2,139	8,089
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	512	938	3,622
Pesticide and other agricultural chemical manufacturing	<1	1,947	5,319	24,994
Medicinal and botanical manufacturing	<1	220	342	1,521
Pharmaceutical preparation manufacturing	<1	1,467	4,599	17,264
In-vitro diagnostic substance manufacturing	<1	298	417	1,162
Biological product (except diagnostic) manufacturing	<1	1,138	2,174	5,415
Paint and coating manufacturing	<1	769	1,380	5,949
Adhesive manufacturing	<1	408	618	2,601
Soap and other detergent manufacturing	<1	992	2,911	15,851
Polish and other sanitation good manufacturing	<1	673	993	3,862
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1,405	4,034	12,015
Printing ink manufacturing	<1	222	239	937
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	<1	166	349	1,227
Other miscellaneous chemical product manufacturing	<1	1,674	2,629	10,203
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	4,347	6,087	26,472
Unlaminated plastics profile shape manufacturing	<1	2,566	4,388	16,753
Plastics pipe and pipe fitting manufacturing	<1	899	1,828	7,953
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	406	621	2,308
Polystyrene foam product manufacturing	<1	1,492	2,136	8,119
Urethane and other foam product (except polystyrene) manufacturing	<1	2,724	3,741	14,304
Plastics bottle manufacturing	<1	1,229	1,696	8,674
Other plastics product manufacturing	<1	15,915	20,183	72,942

Appendix

Tire manufacturing	<1	196	260	1,338
Rubber and plastics hoses and belting manufacturing	<1	434	569	1,996
Other rubber product manufacturing	<1	1,089	1,372	5,086
Pottery, ceramics, and plumbing fixture manufacturing	<1	327	492	914
Brick, tile, and other structural clay product manufacturing	<1	389	729	1,720
Flat glass manufacturing	<1	1,040	2,395	5,043
Other pressed and blown glass and glassware manufacturing	<1	2,070	4,003	12,760
Glass container manufacturing	<1	1,415	2,413	5,428
Glass product manufacturing made of purchased glass	<1	6,571	12,094	26,815
Cement manufacturing	<1	603	1,628	3,849
Ready-mix concrete manufacturing	<1	4,275	7,795	21,906
Concrete block and brick manufacturing	<1	264	526	1,218
Concrete pipe manufacturing	<1	107	197	491
Other concrete product manufacturing	<1	1,984	2,957	6,674
Lime manufacturing	<1	901	2,294	5,475
Gypsum product manufacturing	<1	1,123	3,436	7,485
Abrasive product manufacturing	<1	437	1,376	2,120
Cut stone and stone product manufacturing	<1	1,385	1,689	3,501
Ground or treated mineral and earth manufacturing	<1	1,057	3,185	5,951
Mineral wool manufacturing	<1	102	264	612
Miscellaneous nonmetallic mineral products manufacturing	<1	55	184	393
Iron and steel mills and ferroalloy manufacturing	<1	490	1,076	7,580
Iron, steel pipe and tube manufacturing from purchased steel	<1	78	153	747
Rolled steel shape manufacturing	<1	5,388	12,759	41,193
Steel wire drawing	<1	328	561	2,013
Alumina refining and primary aluminum production	<1	4,988	8,402	47,788
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	<1	6,341	14,079	50,516
Other aluminum rolling, drawing and extruding	<1	228	359	1,763

Appendix

Nonferrous metal (exc aluminum) smelting and refining	<1	486	2,502	8,057
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	<1	790	1,005	3,824
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	<1	1,906	3,240	8,087
Nonferrous metal foundries	<1	1,288	1,956	5,472
Custom roll forming	<1	52	93	391
Crown and closure manufacturing and metal stamping	<1	966	1,258	3,405
Iron and steel forging	<1	90	153	479
Nonferrous forging	<1	255	387	1,133
Cutlery, utensil, pot, and pan manufacturing	<1	306	874	2,612
Handtool manufacturing	<1	210	362	757
Prefabricated metal buildings and components manufacturing	<1	440	664	1,831
Fabricated structural metal manufacturing	<1	3,044	4,718	14,361
Plate work manufacturing	<1	1,951	2,162	6,601
Metal window and door manufacturing	<1	1,715	2,425	6,180
Sheet metal work manufacturing	<1	17,583	24,065	56,715
Ornamental and architectural metal work manufacturing	<1	2,384	3,214	8,602
Power boiler and heat exchanger manufacturing	<1	59	86	241
Metal tank (heavy gauge) manufacturing	<1	539	707	2,012
Metal cans manufacturing	<1	951	2,284	9,433
Metal barrels, drums and pails manufacturing	<1	385	490	1,872
Hardware manufacturing	<1	527	868	2,402
Spring and wire product manufacturing	<1	297	424	1,377
Machine shops	<1	15,259	19,255	39,960
Turned product and screw, nut, and bolt manufacturing	<1	1,485	2,289	6,495
Metal heat treating	<1	1,283	1,945	4,948
Metal coating and nonprecious engraving	<1	5,816	10,871	27,599
Electroplating, anodizing, and coloring metal	<1	4,553	5,280	11,308
Valve and fittings, other than plumbing, manufacturing	<1	619	1,031	2,913

Appendix

Plumbing fixture fitting and trim manufacturing	<1	272	812	2,629
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	276	607	1,717
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	283	562	1,475
Fabricated pipe and pipe fitting manufacturing	<1	438	562	1,363
Other fabricated metal manufacturing	<1	2,031	2,783	7,746
Farm machinery and equipment manufacturing	<1	230	327	1,248
Lawn and garden equipment manufacturing	<1	15	20	113
Construction machinery manufacturing	<1	115	187	741
Mining machinery and equipment manufacturing	<1	59	75	232
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	101	107	316
Sawmill, woodworking, and paper machinery	<1	474	502	1,473
Printing machinery and equipment manufacturing	<1	7	7	19
All other industrial machinery manufacturing	<1	233	258	796
Optical instrument and lens manufacturing	<1	34	40	114
Photographic and photocopying equipment manufacturing	<1	27	30	131
Other commercial service industry machinery manufacturing	<1	391	490	1,774
Air purification and ventilation equipment manufacturing	<1	33	37	100
Heating equipment (except warm air furnaces) manufacturing	<1	3,160	3,854	14,438
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	1,171	1,590	6,171
Industrial mold manufacturing	<1	378	403	816
Special tool, die, jig, and fixture manufacturing	<1	476	534	1,080

Appendix

Cutting tool and machine tool accessory manufacturing	<1	185	196	496
Machine tool manufacturing	<1	287	315	776
Rolling mill and other metalworking machinery manufacturing	<1	92	98	243
Turbine and turbine generator set units manufacturing	<1	4	5	20
Speed changer, industrial high-speed drive, and gear manufacturing	<1	131	157	544
Mechanical power transmission equipment manufacturing	<1	72	89	263
Other engine equipment manufacturing	<1	31	45	219
Pump and pumping equipment manufacturing	<1	74	96	331
Air and gas compressor manufacturing	<1	5	6	33
Elevator and moving stairway manufacturing	<1	63	72	254
Conveyor and conveying equipment manufacturing	<1	42	45	127
Overhead cranes, hoists, and monorail systems manufacturing	<1	325	455	1,699
Industrial truck, trailer, and stacker manufacturing	<1	30	39	148
Power-driven handtool manufacturing	<1	3	5	23
Welding and soldering equipment manufacturing	<1	20	24	108
Packaging machinery manufacturing	<1	312	361	1,107
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	390	462	1,261
Fluid power pump and motor manufacturing	<1	6	7	33
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	189	208	669
Electronic computer manufacturing	<1	151	319	778
Computer storage device manufacturing	<1	77	191	594
Computer terminals and other computer peripheral equipment manufacturing	<1	253	430	1,020
Telephone apparatus manufacturing	<1	275	466	1,312

Appendix

Broadcast and wireless communications equipment manufacturing	<1	121	188	418
Other communications equipment manufacturing	<1	56	99	304
Audio and video equipment manufacturing	<1	93	160	511
Printed circuit assembly (electronic assembly) manufacturing	<1	578	1,115	5,105
Bare printed circuit board manufacturing	<1	104	140	327
Semiconductor and related device manufacturing	<1	695	1,289	4,498
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	21	31	90
Electronic connector manufacturing	<1	533	838	2,353
Other electronic component manufacturing	<1	1,147	1,600	4,077
Electromedical and electrotherapeutic apparatus manufacturing	<1	389	759	1,595
Search, detection, and navigation instruments manufacturing	<1	47	79	166
Automatic environmental control manufacturing	<1	184	251	621
Industrial process variable instruments manufacturing	<1	317	512	1,206
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	15,762	25,467	73,211
Analytical laboratory instrument manufacturing	3	306,359	544,351	1,166,805
Irradiation apparatus manufacturing	<1	<1	2	4
Watch, clock, and other measuring and controlling device manufacturing	<1	118	222	543
Blank magnetic and optical recording media manufacturing	<1	10	31	152
Software and other prerecorded and record reproducing	<1	18	27	77
Electric lamp bulb and part manufacturing	<1	14	20	60
Lighting fixture manufacturing	<1	354	446	1,195
Small electrical appliance manufacturing	<1	523	832	2,262

Appendix

Household cooking appliance manufacturing	<1	235	363	952
Household refrigerator and home freezer manufacturing	<1	262	414	1,056
Household laundry equipment manufacturing	<1	599	802	2,464
Other major household appliance manufacturing	<1	118	193	469
Power, distribution, and specialty transformer manufacturing	<1	64	82	246
Motor and generator manufacturing	<1	188	254	762
Switchgear and switchboard apparatus manufacturing	<1	90	121	338
Relay and industrial control manufacturing	<1	7,812	9,470	26,371
Storage battery manufacturing	<1	40	50	236
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	61	78	376
Wiring device manufacturing	<1	187	274	1,014
Carbon and graphite product manufacturing	<1	165	224	756
All other miscellaneous electrical equipment and component manufacturing	<1	48	53	163
Automobile manufacturing	<1	758	2,545	8,177
Light truck and utility vehicle manufacturing	<1	1,162	3,130	18,848
Heavy duty truck manufacturing	<1	59	148	648
Motor vehicle body manufacturing	<1	85	116	434
Truck trailer manufacturing	<1	4	6	22
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	1,803	2,052	9,256
Motor vehicle gasoline engine and engine parts manufacturing	<1	704	1,105	6,993
Motor vehicle electrical and electronic equipment manufacturing	<1	2,937	4,127	21,953
Motor vehicle transmission and power train parts manufacturing	<1	13	21	155
Motor vehicle seating and interior trim manufacturing	<1	91	114	631
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	6,450	9,397	43,812

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	1,483	2,426	10,165
Aircraft manufacturing	<1	1,247	3,169	8,142
Aircraft engine and engine parts manufacturing	<1	46	100	323
Other aircraft parts and auxiliary equipment manufacturing	<1	15,065	24,024	55,108
Guided missile and space vehicle manufacturing	<1	59	92	192
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	26	39	82
Railroad rolling stock manufacturing	<1	8	10	45
Ship building and repairing	<1	1,252	1,602	3,663
Boat building	<1	10,553	14,557	51,740
Motorcycle, bicycle, and parts manufacturing	<1	44	157	637
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	231	436	1,724
Wood kitchen cabinet and countertop manufacturing	<1	5,889	7,037	18,351
Upholstered household furniture manufacturing	<1	41	44	184
Nonupholstered wood household furniture manufacturing	<1	918	997	2,904
Other household nonupholstered furniture manufacturing	<1	50	65	309
Institutional furniture manufacturing	<1	18	19	68
Wood office furniture manufacturing	<1	195	230	756
Custom architectural woodwork and millwork	<1	41	38	121
Office furniture, except wood, manufacturing	<1	167	221	808
Showcase, partition, shelving, and locker manufacturing	<1	328	402	1,280
Mattress manufacturing	<1	890	1,180	5,591
Blind and shade manufacturing	<1	51	52	202
Surgical and medical instrument manufacturing	<1	289	360	968
Surgical appliance and supplies manufacturing	<1	1,190	1,543	5,188
Dental equipment and supplies manufacturing	<1	34	41	142

Appendix

Ophthalmic goods manufacturing	<1	1,530	1,900	5,503
Dental laboratories	<1	965	987	1,847
Jewelry and silverware manufacturing	<1	1,541	2,425	6,207
Sporting and athletic goods manufacturing	<1	3,917	4,413	15,112
Doll, toy, and game manufacturing	<1	4,065	4,438	11,816
Office supplies (except paper) manufacturing	<1	740	834	3,266
Sign manufacturing	<1	1,156	912	2,372
Gasket, packing, and sealing device manufacturing	<1	938	996	3,059
Musical instrument manufacturing	<1	288	291	793
Fasteners, buttons, needles, and pins manufacturing	<1	565	612	1,329
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	3,486	3,990	10,891
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	12,794	30,905	64,968
Wholesale - Professional and commercial equipment and supplies	<1	65,184	120,654	172,264
Wholesale - Household appliances and electrical and electronic goods	<1	29,320	70,290	125,507
Wholesale - Machinery, equipment, and supplies	<1	28,521	58,971	94,485
Wholesale - Other durable goods merchant wholesalers	<1	57,607	104,236	187,646
Wholesale - Drugs and druggists' sundries	<1	21,696	62,857	116,817
Wholesale - Grocery and related product wholesalers	<1	60,946	84,802	162,199
Wholesale - Petroleum and petroleum products	<1	7,088	134,044	147,997
Wholesale - Other nondurable goods merchant wholesalers	<1	78,170	189,643	320,830
Wholesale - Wholesale electronic markets and agents and brokers	<1	59,087	61,674	70,451
Retail - Motor vehicle and parts dealers	<1	49,843	81,814	114,888
Retail - Furniture and home furnishings stores	<1	26,355	38,528	57,350
Retail - Electronics and appliance stores	<1	36,001	29,279	49,013

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Retail - Building material and garden equipment and supplies stores	<1	34,963	61,360	86,985
Retail - Food and beverage stores	2	83,781	115,911	182,211
Retail - Health and personal care stores	<1	42,510	53,585	79,959
Retail - Gasoline stores	<1	24,522	40,776	65,954
Retail - Clothing and clothing accessories stores	1	29,222	51,893	99,651
Retail - Sporting goods, hobby, musical instrument and book stores	<1	21,595	32,385	49,594
Retail - General merchandise stores	2	92,712	143,696	211,215
Retail - Miscellaneous store retailers	1	49,599	58,755	85,631
Retail - Nonstore retailers	<1	157,713	266,764	332,182
Air transportation	<1	73,578	169,874	280,520
Rail transportation	<1	17,184	41,195	71,531
Water transportation	<1	12,497	20,852	78,336
Truck transportation	1	95,441	114,738	216,343
Transit and ground passenger transportation	2	42,531	54,192	73,422
Pipeline transportation	<1	5,300	11,398	13,320
Scenic and sightseeing transportation and support activities for transportation	1	120,145	127,663	206,845
Couriers and messengers	1	29,686	40,596	79,075
Warehousing and storage	<1	46,535	53,022	95,093
Newspaper publishers	<1	6,563	11,789	14,638
Periodical publishers	<1	4,776	7,907	11,213
Book publishers	<1	2,293	7,679	11,968
Directory, mailing list, and other publishers	<1	866	2,559	3,728
Greeting card publishing	<1	433	1,273	1,813
Software publishers	<1	193,708	473,469	491,899
Motion picture and video industries	<1	13,642	19,408	64,030
Sound recording industries	<1	5,509	16,546	30,666
Radio and television broadcasting	<1	34,171	37,904	83,905
Cable and other subscription programming	<1	507	1,248	3,604
Wired telecommunications carriers	<1	32,695	59,688	127,926
Wireless telecommunications carriers (except satellite)	<1	38,467	140,264	327,274

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	3,683	4,870	11,279
Data processing, hosting, and related services	<1	74,413	139,028	286,603
News syndicates, libraries, archives and all other information services	<1	3,593	5,549	10,533
Internet publishing and broadcasting and web search portals	1	266,865	545,395	1,315,293
Nondepository credit intermediation and related activities	<1	68,245	87,307	131,253
Securities and commodity contracts intermediation and brokerage	1	82,051	75,329	155,607
Monetary authorities and depository credit intermediation	2	213,440	609,437	939,247
Other financial investment activities	1	78,574	101,909	278,571
Direct life insurance carriers	<1	29,540	54,960	77,460
Insurance carriers, except direct life	<1	86,071	261,737	561,866
Insurance agencies, brokerages, and related activities	1	131,367	202,521	445,851
Funds, trusts, and other financial vehicles	<1	21,314	27,331	141,167
Other real estate	13	401,918	1,419,616	3,017,530
Tenant-occupied housing	1	33,092	401,668	453,927
Owner-occupied dwellings	0	0	1,173,509	1,489,718
Automotive equipment rental and leasing	<1	12,165	49,912	69,911
General and consumer goods rental except video tapes and discs	<1	15,932	29,707	47,495
Video tape and disc rental	<1	5,004	9,408	13,401
Commercial and industrial machinery and equipment rental and leasing	<1	18,610	58,840	82,765
Lessors of nonfinancial intangible assets	<1	2,788	49,225	60,244
Legal services	3	292,003	658,369	829,717
Accounting, tax preparation, bookkeeping, and payroll services	2	111,176	172,577	239,926
Architectural, engineering, and related services	2	171,864	199,413	331,745
Specialized design services	<1	10,316	20,137	28,127
Custom computer programming services	<1	112,487	134,462	173,414

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Computer systems design services	<1	90,753	89,048	112,391
Other computer related services, including facilities management	<1	31,284	52,477	85,504
Management consulting services	3	357,482	380,160	565,949
Environmental and other technical consulting services	<1	58,726	63,705	93,707
Scientific research and development services	57	6,793,269	11,129,391	17,254,904
Advertising, public relations, and related services	<1	51,650	83,935	137,088
Photographic services	<1	2,479	7,937	13,641
Veterinary services	<1	16,992	23,872	35,376
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	47,703	113,718	178,930
Management of companies and enterprises	4	604,239	679,908	1,088,891
Office administrative services	<1	61,461	21,660	53,923
Facilities support services	<1	7,682	11,204	23,808
Employment services	6	284,985	399,441	561,336
Business support services	1	73,605	61,175	99,426
Travel arrangement and reservation services	<1	41,661	53,132	92,671
Investigation and security services	1	43,421	43,170	61,134
Services to buildings	2	64,783	89,626	158,408
Landscape and horticultural services	1	58,038	72,681	123,166
Other support services	<1	30,393	38,895	70,056
Waste management and remediation services	<1	43,369	80,383	124,565
Elementary and secondary schools	<1	29,452	25,713	30,640
Junior colleges, colleges, universities, and professional schools	69	2,478,118	3,356,414	4,803,109
Other educational services	<1	30,106	33,775	69,545
Offices of physicians	3	354,763	368,564	496,943
Offices of dentists	1	73,301	89,011	127,768
Offices of other health practitioners	1	61,780	85,412	114,762
Outpatient care centers	1	102,824	94,970	147,239
Medical and diagnostic laboratories	<1	22,993	31,506	44,216
Home health care services	<1	39,942	38,347	47,188
Other ambulatory health care services	<1	20,373	22,315	33,317

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Hospitals	4	408,769	473,712	828,573
Nursing and community care facilities	2	77,592	85,610	147,022
Residential mental retardation, mental health, substance abuse and other facilities	<1	19,323	20,635	31,999
Individual and family services	3	108,515	96,951	139,920
Child day care services	<1	31,516	49,224	63,771
Community food, housing, and other relief services, including rehabilitation services	<1	27,682	27,590	55,798
Performing arts companies	<1	11,415	19,577	34,075
Commercial Sports Except Racing	<1	29,298	34,607	51,698
Racing and Track Operation	<1	1,478	3,682	6,214
Independent artists, writers, and performers	<1	5,204	26,125	34,812
Promoters of performing arts and sports and agents for public figures	<1	9,285	22,476	42,750
Museums, historical sites, zoos, and parks	<1	6,495	8,951	13,592
Amusement parks and arcades	<1	1,056	2,483	3,650
Gambling industries (except casino hotels)	<1	16,823	49,628	70,879
Other amusement and recreation industries	<1	15,225	19,187	35,464
Fitness and recreational sports centers	<1	12,559	18,413	32,902
Bowling centers	<1	2,491	3,971	6,516
Hotels and motels, including casino hotels	<1	38,685	90,182	123,251
Other accommodations	<1	6,543	10,180	13,568
Full-service restaurants	5	161,193	258,353	399,309
Limited-service restaurants	4	104,114	186,531	350,246
All other food and drinking places	3	102,180	158,803	228,054
Automotive repair and maintenance, except car washes	2	102,733	111,295	163,301
Car washes	<1	46,703	76,529	109,503
Electronic and precision equipment repair and maintenance	<1	30,552	43,528	60,511
Commercial and industrial machinery and equipment repair and maintenance	<1	40,413	38,589	56,105
Personal and household goods repair and maintenance	<1	16,187	29,955	39,274
Personal care services	2	53,011	44,213	57,969
Death care services	<1	6,051	2,563	4,117

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Dry-cleaning and laundry services	<1	20,951	7,741	11,791
Other personal services	<1	33,687	42,792	58,893
Religious organizations	3	212,110	61,242	244,898
Grantmaking, giving, and social advocacy organizations	2	158,019	445,617	632,650
Business and professional associations	<1	17,194	28,134	47,351
Labor and civic organizations	<1	22,860	57,814	101,399
Private households	1	19,266	19,266	19,266
Postal service	<1	42,812	42,828	45,594
Federal electric utilities	<1	49,071	80,591	292,579
Other federal government enterprises	2	89,378	78,346	396,383
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	39,670	50,884	88,752
Local government passenger transit	<1	48,212	-17,515	39,442
Local government electric utilities	<1	35,444	110,853	184,546
Other local government enterprises	2	125,935	292,839	545,914
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	519,589	731,952	773,125

Washington, D.C.

NASA

Table 769: Detailed NASA Impacts by Types of Impact, Washington, D.C.

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>2,047</i>	<i>239,731,318</i>	<i>298,776,901</i>	<i>579,720,583</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	0	0	0	0
Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	6	7	8
Commercial logging	<1	964	941	1,112
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	118	105	210
Support activities for agriculture and forestry	<1	433	926	1,700
Oil and gas extraction	<1	85,568	103,205	227,486
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	263	261	967

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Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	2	2	5
Support activities for oil and gas operations	<1	92	100	193
Metal mining services	<1	387	514	1,474
Other nonmetallic minerals services	<1	45	58	152
Electric power generation - Hydroelectric	<1	43,867	136,200	246,442
Electric power generation - Fossil fuel	<1	58,329	223,872	503,564
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	9,188	34,033	62,208
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	4	824,276	2,768,572	5,668,456
Natural gas distribution	3	460,873	1,311,558	2,521,261
Water, sewage and other systems	<1	7,719	17,460	27,353
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	11	841,061	1,004,521	1,874,944
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	5	392,450	635,104	1,264,021
Maintenance and repair construction of residential structures	1	82,120	127,582	252,320
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	62	101	201
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	1,041	2,684	24,260
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	<1	44	59	994
Confectionery manufacturing from purchased chocolate	<1	19	27	621
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	5	14	426
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	12	34	1,772
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	6,297	8,746	15,502

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	650	875	5,564
Meat processed from carcasses	<1	335	434	2,225
Rendering and meat byproduct processing	<1	89	117	521
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	9,231	12,780	42,849
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	119	219	2,059
Other snack food manufacturing	<1	55	69	245
Coffee and tea manufacturing	<1	9	33	1,520
Flavoring syrup and concentrate manufacturing	<1	60	231	3,050
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	567	861	24,215
Bottled and canned soft drinks & water	<1	410	472	3,167
Manufactured ice	0	0	0	0
Breweries	<1	7,797	9,576	50,143
Wineries	<1	284	319	2,773
Distilleries	<1	3,918	5,911	31,250
Tobacco product manufacturing	<1	9,094	48,621	152,423
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	355	586	1,640
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	52	68	164
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	27	40	374
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	25	33	265
Hosiery and sock mills	<1	35	60	119

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Other apparel knitting mills	<1	102	169	337
Cut and sew apparel contractors	<1	561	924	2,762
Mens and boys cut and sew apparel manufacturing	<1	120	348	911
Womens and girls cut and sew apparel manufacturing	<1	31	56	174
Other cut and sew apparel manufacturing	<1	31	54	143
Apparel accessories and other apparel manufacturing	<1	32	56	136
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	18
Sawmills	<1	320	324	8,814
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0
Paper mills	<1	8,494	316	30,166
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

Appendix

Printing	7	634,734	1,065,425	1,643,106
Support activities for printing	<1	532	773	1,303
Petroleum refineries	<1	69	99	136,429
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	84	96	377
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	21	24	75
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	16	15	46
Pharmaceutical preparation manufacturing	<1	2,577	3,360	11,538
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	13	14	37
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	49	51	207
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0

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Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	185	200	822
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	1,558	282	5,776
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	482	1,220	3,041
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	1,079	1,504	2,361
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	2,173	10,527	14,915
Iron and steel mills and ferroalloy manufacturing	<1	2,993	8,535	82,183
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0

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Ornamental and architectural metal work manufacturing	<1	1,322	1,293	2,771
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	0	0	0	0
Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	691	675	1,676
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	151	143	404
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	702	713	1,922
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	43	197	379
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	47	144	396
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	56,861	127,759	246,723
Telephone apparatus manufacturing	<1	29	60	134
Broadcast and wireless communications equipment manufacturing	<1	6	12	24
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	10	23	53
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	52	120	275
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	3	8	15
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0

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Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	1	3
Analytical laboratory instrument manufacturing	<1	2	5	10
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	3	8	15
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	92	168	266
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	48	-32	117
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	18	7	40
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	62	116	256
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	16	17	18
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	488	4,460	5,241
Upholstered household furniture manufacturing	<1	463	1,480	2,707

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Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	75	57	170
Surgical appliance and supplies manufacturing	<1	121	94	260
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	372	384	628
Jewelry and silverware manufacturing	<1	638	1,003	2,699
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	734	575	1,204
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	87,622	80,898	139,152
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	43,399	84,659	140,749
Wholesale - Professional and commercial equipment and supplies	3	534,918	786,835	1,201,298

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Wholesale - Household appliances and electrical and electronic goods	<1	44,196	88,054	136,736
Wholesale - Machinery, equipment, and supplies	<1	14,116	28,062	37,771
Wholesale - Other durable goods merchant wholesalers	1	174,757	277,325	423,754
Wholesale - Drugs and druggists' sundries	<1	259,298	589,452	864,471
Wholesale - Grocery and related product wholesalers	2	127,758	169,301	335,575
Wholesale - Petroleum and petroleum products	<1	1,551	40,815	44,496
Wholesale - Other nondurable goods merchant wholesalers	3	257,935	651,969	1,071,332
Wholesale - Wholesale electronic markets and agents and brokers	8	1,392,866	1,441,930	1,598,680
Retail - Motor vehicle and parts dealers	<1	7,635	12,493	20,738
Retail - Furniture and home furnishings stores	2	153,433	194,964	274,663
Retail - Electronics and appliance stores	2	183,871	179,781	251,055
Retail - Building material and garden equipment and supplies stores	2	121,089	200,883	261,367
Retail - Food and beverage stores	11	427,463	579,286	894,161
Retail - Health and personal care stores	5	272,194	336,832	487,232
Retail - Gasoline stores	<1	41,087	68,824	116,678
Retail - Clothing and clothing accessories stores	5	217,166	328,996	574,151
Retail - Sporting goods, hobby, musical instrument and book stores	2	132,686	168,153	225,748
Retail - General merchandise stores	7	411,750	523,283	726,069
Retail - Miscellaneous store retailers	5	248,476	284,021	378,069
Retail - Nonstore retailers	4	141,701	478,439	767,945
Air transportation	<1	34,856	48,021	88,174
Rail transportation	1	171,939	42,802	313,758
Water transportation	<1	6,795	7,715	92,795
Truck transportation	6	421,338	223,698	654,976
Transit and ground passenger transportation	7	94,447	129,894	198,454
Pipeline transportation	<1	42,099	94,013	115,303
Scenic and sightseeing transportation and support activities for transportation	3	187,163	198,345	420,750

Appendix

Couriers and messengers	3	85,036	104,200	199,341
Warehousing and storage	<1	6,630	6,416	43,948
Newspaper publishers	2	245,218	457,923	495,281
Periodical publishers	2	334,087	580,076	739,571
Book publishers	<1	60,193	213,553	267,451
Directory, mailing list, and other publishers	4	418,414	1,339,973	1,709,802
Greeting card publishing	0	0	0	0
Software publishers	3	605,744	1,546,979	1,619,769
Motion picture and video industries	2	187,892	302,584	509,187
Sound recording industries	<1	26,570	160,912	232,971
Radio and television broadcasting	4	892,272	1,315,419	2,303,510
Cable and other subscription programming	<1	125,947	1,457,691	1,800,928
Wired telecommunications carriers	3	495,914	1,598,339	2,096,285
Wireless telecommunications carriers (except satellite)	<1	38,893	462,621	698,369
Satellite, telecommunications resellers, and all other telecommunications	4	1,090,164	1,826,175	2,703,086
Data processing, hosting, and related services	6	908,278	1,336,389	3,153,464
News syndicates, libraries, archives and all other information services	6	708,793	1,144,559	1,873,074
Internet publishing and broadcasting and web search portals	5	1,678,641	3,354,244	6,698,153
Nondepository credit intermediation and related activities	9	1,965,807	2,493,272	3,265,000
Securities and commodity contracts intermediation and brokerage	7	1,317,351	1,134,015	1,445,485
Monetary authorities and depository credit intermediation	11	1,715,789	4,917,686	6,532,330
Other financial investment activities	10	1,754,411	2,137,659	3,237,851
Direct life insurance carriers	<1	94,542	250,392	261,846
Insurance carriers, except direct life	3	405,180	2,193,190	2,855,200
Insurance agencies, brokerages, and related activities	22	4,048,879	8,308,708	11,762,070
Funds, trusts, and other financial vehicles	2	318,080	581,774	1,145,188
Other real estate	236	12,994,604	27,516,478	55,263,657
Tenant-occupied housing	4	160,720	2,427,382	2,600,640

Appendix

Owner-occupied dwellings	0	0	6,834,720	8,676,376
Automotive equipment rental and leasing	2	77,348	295,182	428,114
General and consumer goods rental except video tapes and discs	1	62,150	87,921	144,233
Video tape and disc rental	<1	22,233	36,529	53,877
Commercial and industrial machinery and equipment rental and leasing	5	396,516	1,214,831	1,713,491
Lessors of nonfinancial intangible assets	<1	11,005	115,155	150,330
Legal services	14	3,463,098	4,919,781	5,630,160
Accounting, tax preparation, bookkeeping, and payroll services	10	2,046,742	2,097,181	2,560,956
Architectural, engineering, and related services	19	2,931,447	2,987,496	4,262,394
Specialized design services	3	511,268	566,910	735,197
Custom computer programming services	4	749,509	728,991	899,397
Computer systems design services	8	1,231,456	1,038,079	1,241,444
Other computer related services, including facilities management	5	748,071	751,878	1,339,371
Management consulting services	32	5,608,492	5,676,100	7,300,353
Environmental and other technical consulting services	2	461,221	465,594	562,549
Scientific research and development services	198	28,287,056	32,014,882	53,376,399
Advertising, public relations, and related services	10	2,413,573	2,488,718	3,120,214
Photographic services	<1	7,018	9,895	18,911
Veterinary services	<1	54,840	56,476	76,035
Marketing research and all other miscellaneous professional, scientific, and technical services	15	2,491,135	2,818,275	4,454,742
Management of companies and enterprises	10	2,369,341	2,748,665	3,626,419
Office administrative services	6	648,797	172,028	409,610
Facilities support services	1	81,987	117,390	224,695
Employment services	33	2,628,732	3,690,881	4,608,835
Business support services	19	1,485,209	1,135,549	1,693,357
Travel arrangement and reservation services	2	134,380	169,733	306,666
Investigation and security services	12	709,447	679,149	885,805
Services to buildings	26	940,193	1,252,236	2,220,498
Landscape and horticultural services	4	194,159	238,257	400,411

Appendix

Other support services	3	219,882	275,816	446,923
Waste management and remediation services	1	78,333	120,649	252,120
Elementary and secondary schools	10	802,811	669,600	740,139
Junior colleges, colleges, universities, and professional schools	86	5,748,806	7,894,878	9,648,017
Other educational services	11	743,539	829,804	1,276,709
Offices of physicians	13	1,919,786	2,024,139	2,600,177
Offices of dentists	4	333,806	436,666	567,805
Offices of other health practitioners	2	181,895	280,838	345,835
Outpatient care centers	7	551,797	513,196	856,064
Medical and diagnostic laboratories	<1	44,568	68,642	96,842
Home health care services	14	524,195	508,524	691,650
Other ambulatory health care services	<1	79,604	90,567	128,225
Hospitals	33	3,750,088	4,294,642	7,225,589
Nursing and community care facilities	5	281,015	304,372	486,067
Residential mental retardation, mental health, substance abuse and other facilities	8	376,815	396,677	592,289
Individual and family services	19	1,019,845	848,442	1,086,584
Child day care services	8	319,467	467,581	579,907
Community food, housing, and other relief services, including rehabilitation services	5	320,494	315,372	514,903
Performing arts companies	1	52,568	76,997	111,616
Commercial Sports Except Racing	5	391,723	86,954	181,367
Racing and Track Operation	<1	23,263	33,276	45,347
Independent artists, writers, and performers	1	75,947	238,681	283,305
Promoters of performing arts and sports and agents for public figures	3	261,027	467,217	602,127
Museums, historical sites, zoos, and parks	<1	58,205	69,259	97,999
Amusement parks and arcades	<1	1,845	2,148	3,399
Gambling industries (except casino hotels)	4	214,283	451,136	627,181
Other amusement and recreation industries	2	75,211	88,265	131,510
Fitness and recreational sports centers	3	102,340	133,833	206,550
Bowling centers	<1	13,439	25,965	33,662

Appendix

Hotels and motels, including casino hotels	5	275,473	561,913	737,013
Other accommodations	<1	49,922	68,577	85,786
Full-service restaurants	34	1,316,960	1,993,641	2,908,371
Limited-service restaurants	24	905,962	1,432,393	2,435,409
All other food and drinking places	17	664,956	1,056,081	1,420,975
Automotive repair and maintenance, except car washes	2	87,686	42,507	90,103
Car washes	<1	26,186	38,448	63,752
Electronic and precision equipment repair and maintenance	1	165,778	195,900	267,851
Commercial and industrial machinery and equipment repair and maintenance	<1	42,663	26,395	43,629
Personal and household goods repair and maintenance	<1	29,123	43,028	66,492
Personal care services	7	314,659	162,683	224,031
Death care services	<1	20,151	-6,710	3,705
Dry-cleaning and laundry services	1	49,260	-19,542	9,906
Other personal services	11	475,283	527,044	725,041
Religious organizations	21	2,099,987	-267,671	1,018,680
Grantmaking, giving, and social advocacy organizations	8	841,344	1,177,214	1,922,476
Business and professional associations	4	674,061	754,978	1,120,563
Labor and civic organizations	6	537,458	735,986	1,126,443
Private households	9	284,056	284,012	284,012
Postal service	3	362,213	362,221	378,637
Federal electric utilities	0	0	0	0
Other federal government enterprises	412	47,363,731	39,273,572	129,397,129
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	5	722,721	135,889	514,671
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	317	60,581,352	67,575,520	149,689,304

Moon to Mars Campaign

Table 770: Detailed M2M Campaign Impacts by Types of Impact, Washington, D.C.

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>82</i>	<i>10,867,313</i>	<i>13,498,125</i>	<i>21,357,680</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	0	0	0	0
Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	<1	26	26	29
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	5	3	5
Support activities for agriculture and forestry	<1	53	113	208
Oil and gas extraction	<1	677	1,018	2,445

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Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	32	28	102
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	5	6	11
Metal mining services	<1	22	35	100
Other nonmetallic minerals services	<1	4	6	15
Electric power generation - Hydroelectric	<1	1,078	3,343	5,863
Electric power generation - Fossil fuel	<1	1,783	6,560	13,668
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	194	750	1,349
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	21,246	71,147	138,637
Natural gas distribution	<1	9,939	29,199	53,472
Water, sewage and other systems	<1	226	505	747
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	9,147	14,962	29,088
Maintenance and repair construction of residential structures	<1	3,837	5,986	11,644
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	9
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	94	255	2,200
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	<1	3	3	57
Confectionery manufacturing from purchased chocolate	<1	<1	1	23
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	<1	<1	10

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	<1	1	67
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	252	348	609
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	13	18	111
Meat processed from carcasses	<1	16	21	108
Rendering and meat byproduct processing	<1	4	6	24
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	362	502	1,667
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	6	11	94
Other snack food manufacturing	<1	2	3	10
Coffee and tea manufacturing	<1	<1	<1	30
Flavoring syrup and concentrate manufacturing	<1	5	17	230
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	22	33	894
Bottled and canned soft drinks & water	<1	15	17	112
Manufactured ice	0	0	0	0
Breweries	<1	206	265	1,354
Wineries	<1	18	21	175
Distilleries	<1	128	200	1,008
Tobacco product manufacturing	<1	494	3,143	9,031
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	14	25	66
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	5	7	16
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	1	2	19
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	1	2	13
Hosiery and sock mills	<1	1	3	5
Other apparel knitting mills	<1	4	6	11
Cut and sew apparel contractors	<1	15	25	73
Mens and boys cut and sew apparel manufacturing	<1	6	17	43
Womens and girls cut and sew apparel manufacturing	<1	2	4	11
Other cut and sew apparel manufacturing	<1	2	3	8
Apparel accessories and other apparel manufacturing	<1	2	3	7
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	9	9	241
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0

Appendix

Paper mills	<1	254	9	894
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	2,945	5,086	7,332
Support activities for printing	<1	23	34	56
Petroleum refineries	<1	2	3	3,459
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	6	7	28
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	<1	1	3
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	1	1	3
Pharmaceutical preparation manufacturing	<1	160	219	714
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	<1	2	2	4
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	3	3	11
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	6	7	28
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	77	14	276
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	21	52	130
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	51	71	111
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	69	311	437
Iron and steel mills and ferroalloy manufacturing	<1	141	384	3,953
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0

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Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0
Ornamental and architectural metal work manufacturing	<1	65	62	133
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	0	0	0	0
Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	35	34	85
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	12	11	31
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	28	29	76
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

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Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	2	8	15
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	4	14	34
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	20,244	46,272	87,669
Telephone apparatus manufacturing	<1	1	3	6
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	1
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	2	4
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	7	16	34

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	<1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	7	14	19
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0

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Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	5	-3	12
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	<1	4
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	4	7	14
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	7	6	6
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

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Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	10	87	104
Upholstered household furniture manufacturing	<1	27	85	155
Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	4	3	8
Surgical appliance and supplies manufacturing	<1	8	6	16
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	20	21	33
Jewelry and silverware manufacturing	<1	28	44	119
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	28	22	46
Gasket, packing, and sealing device manufacturing	0	0	0	0

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Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	61	58	103
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	2,292	4,522	7,488
Wholesale - Professional and commercial equipment and supplies	<1	19,083	28,034	42,492
Wholesale - Household appliances and electrical and electronic goods	<1	2,886	5,713	8,805
Wholesale - Machinery, equipment, and supplies	<1	860	1,697	2,280
Wholesale - Other durable goods merchant wholesalers	<1	4,895	7,776	11,849
Wholesale - Drugs and druggists' sundries	<1	13,817	31,468	45,288
Wholesale - Grocery and related product wholesalers	<1	3,229	4,266	8,412
Wholesale - Petroleum and petroleum products	<1	39	1,373	1,457
Wholesale - Other nondurable goods merchant wholesalers	<1	8,449	22,119	35,501
Wholesale - Wholesale electronic markets and agents and brokers	<1	12,060	12,488	13,799
Retail - Motor vehicle and parts dealers	<1	352	576	950
Retail - Furniture and home furnishings stores	<1	6,881	8,746	12,206
Retail - Electronics and appliance stores	<1	8,178	8,115	11,129
Retail - Building material and garden equipment and supplies stores	<1	4,161	6,934	8,993
Retail - Food and beverage stores	<1	20,395	27,483	41,888
Retail - Health and personal care stores	<1	12,111	15,063	21,770
Retail - Gasoline stores	<1	1,942	3,150	5,182
Retail - Clothing and clothing accessories stores	<1	9,919	14,907	25,522
Retail - Sporting goods, hobby, musical instrument and book stores	<1	5,862	7,446	9,873
Retail - General merchandise stores	<1	17,687	22,600	31,332

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Retail - Miscellaneous store retailers	<1	11,260	12,853	16,768
Retail - Nonstore retailers	<1	6,264	22,453	35,522
Air transportation	<1	1,282	1,813	3,283
Rail transportation	<1	9,248	1,951	15,276
Water transportation	<1	546	632	7,208
Truck transportation	<1	25,170	13,322	39,305
Transit and ground passenger transportation	<1	4,744	6,483	9,552
Pipeline transportation	<1	533	1,366	1,719
Scenic and sightseeing transportation and support activities for transportation	<1	19,658	20,938	44,904
Couriers and messengers	<1	4,003	5,039	9,631
Warehousing and storage	<1	322	312	2,126
Newspaper publishers	<1	8,601	16,090	17,134
Periodical publishers	<1	11,765	20,549	24,934
Book publishers	<1	2,206	7,832	9,704
Directory, mailing list, and other publishers	<1	1,205	4,004	5,060
Greeting card publishing	0	0	0	0
Software publishers	<1	54,125	138,983	144,769
Motion picture and video industries	<1	8,667	13,812	21,128
Sound recording industries	<1	582	3,553	4,873
Radio and television broadcasting	<1	42,915	59,984	84,657
Cable and other subscription programming	<1	7,971	65,051	67,556
Wired telecommunications carriers	<1	17,869	55,606	72,286
Wireless telecommunications carriers (except satellite)	<1	1,781	21,631	32,018
Satellite, telecommunications resellers, and all other telecommunications	<1	27,809	46,253	66,790
Data processing, hosting, and related services	<1	25,076	36,448	77,903
News syndicates, libraries, archives and all other information services	<1	6,291	10,492	16,216
Internet publishing and broadcasting and web search portals	<1	55,306	110,939	187,289
Nondepository credit intermediation and related activities	<1	49,789	63,242	80,179
Securities and commodity contracts intermediation and brokerage	<1	54,627	46,180	53,955

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Monetary authorities and depository credit intermediation	<1	71,745	205,553	269,902
Other financial investment activities	<1	93,981	111,720	151,269
Direct life insurance carriers	<1	3,494	9,666	9,825
Insurance carriers, except direct life	<1	13,719	78,048	97,290
Insurance agencies, brokerages, and related activities	<1	18,523	39,910	53,389
Funds, trusts, and other financial vehicles	<1	15,091	28,446	48,192
Other real estate	5	316,618	641,001	1,202,948
Tenant-occupied housing	<1	7,601	118,184	124,277
Owner-occupied dwellings	0	0	337,280	428,162
Automotive equipment rental and leasing	<1	1,566	5,290	7,399
General and consumer goods rental except video tapes and discs	<1	2,668	3,589	5,644
Video tape and disc rental	<1	1,004	1,633	2,400
Commercial and industrial machinery and equipment rental and leasing	<1	4,209	12,000	16,712
Lessors of nonfinancial intangible assets	<1	856	9,118	11,823
Legal services	1	299,847	432,345	487,094
Accounting, tax preparation, bookkeeping, and payroll services	<1	85,247	89,838	106,767
Architectural, engineering, and related services	<1	120,964	125,038	176,021
Specialized design services	<1	10,640	12,164	15,403
Custom computer programming services	<1	19,260	18,586	22,594
Computer systems design services	<1	46,519	39,288	46,437
Other computer related services, including facilities management	<1	20,580	20,466	35,711
Management consulting services	2	438,816	447,018	558,457
Environmental and other technical consulting services	<1	41,720	42,631	50,819
Scientific research and development services	35	5,366,692	6,022,411	9,784,264
Advertising, public relations, and related services	<1	121,797	128,104	153,178
Photographic services	<1	374	570	1,031
Veterinary services	<1	2,750	2,903	3,821
Marketing research and all other miscellaneous professional, scientific, and technical services	1	251,591	296,222	450,925

Appendix

Management of companies and enterprises	<1	239,393	279,490	361,891
Office administrative services	<1	52,009	14,886	32,342
Facilities support services	<1	5,489	7,865	13,908
Employment services	2	215,730	309,245	369,238
Business support services	<1	16,471	12,789	18,395
Travel arrangement and reservation services	<1	9,223	11,730	20,950
Investigation and security services	<1	31,767	30,583	38,724
Services to buildings	<1	30,257	40,991	69,634
Landscape and horticultural services	<1	1,371	1,697	2,789
Other support services	<1	2,780	3,516	5,587
Waste management and remediation services	<1	2,930	4,508	9,322
Elementary and secondary schools	<1	46,775	39,072	42,661
Junior colleges, colleges, universities, and professional schools	2	139,499	190,740	225,867
Other educational services	<1	28,760	32,378	48,035
Offices of physicians	<1	88,019	93,242	119,729
Offices of dentists	<1	15,404	20,460	26,335
Offices of other health practitioners	<1	8,177	12,913	15,763
Outpatient care centers	<1	25,967	24,312	40,960
Medical and diagnostic laboratories	<1	2,104	3,313	4,606
Home health care services	<1	24,023	23,412	32,069
Other ambulatory health care services	<1	3,708	4,256	5,976
Hospitals	2	196,228	223,102	373,448
Nursing and community care facilities	<1	12,976	14,067	22,037
Residential mental retardation, mental health, substance abuse and other facilities	<1	19,784	20,869	30,675
Individual and family services	<1	50,469	42,383	53,717
Child day care services	<1	15,894	23,566	28,752
Community food, housing, and other relief services, including rehabilitation services	<1	17,061	16,848	26,929
Performing arts companies	<1	2,962	4,274	5,757
Commercial Sports Except Racing	<1	16,116	3,480	7,140
Racing and Track Operation	<1	1,201	1,722	2,128
Independent artists, writers, and performers	<1	3,165	9,275	10,764

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Promoters of performing arts and sports and agents for public figures	<1	12,693	22,190	27,009
Museums, historical sites, zoos, and parks	<1	2,742	3,259	4,537
Amusement parks and arcades	<1	96	101	159
Gambling industries (except casino hotels)	<1	10,407	21,355	29,306
Other amusement and recreation industries	<1	3,508	3,955	5,826
Fitness and recreational sports centers	<1	5,040	6,280	9,580
Bowling centers	<1	620	1,164	1,493
Hotels and motels, including casino hotels	<1	11,256	22,624	29,313
Other accommodations	<1	3,095	4,224	5,216
Full-service restaurants	1	53,339	81,631	116,887
Limited-service restaurants	1	39,394	62,755	103,950
All other food and drinking places	<1	38,957	61,908	81,398
Automotive repair and maintenance, except car washes	<1	4,264	1,993	4,221
Car washes	<1	1,234	1,802	2,971
Electronic and precision equipment repair and maintenance	<1	4,449	5,309	7,098
Commercial and industrial machinery and equipment repair and maintenance	<1	2,119	1,293	2,099
Personal and household goods repair and maintenance	<1	1,336	1,923	2,965
Personal care services	<1	15,396	7,696	10,626
Death care services	<1	1,065	-308	176
Dry-cleaning and laundry services	<1	2,846	-977	513
Other personal services	<1	24,757	27,137	37,060
Religious organizations	1	105,547	-11,682	49,178
Grantmaking, giving, and social advocacy organizations	<1	19,806	26,420	42,860
Business and professional associations	<1	22,192	23,672	34,768
Labor and civic organizations	<1	28,801	37,123	57,812
Private households	<1	14,515	14,515	14,515
Postal service	<1	17,176	17,179	17,935
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	100,852	65,537	203,998
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

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Other state government enterprises	0	0	0	0
Local government passenger transit	<1	30,006	5,811	17,075
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	4	897,158	948,276	2,169,399

Investments in Climate Change Research and Technology

Table 771: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Washington, D.C.

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>238</i>	<i>26,776,422</i>	<i>33,489,588</i>	<i>58,228,037</i>
Oilseed farming	0	0	0	0
Grain farming	0	0	0	0
Vegetable and melon farming	0	0	0	0
Fruit farming	0	0	0	0
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	0	0	0	0
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	0	0	0	0
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	0	0	0	0

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Dairy cattle and milk production	0	0	0	0
Poultry and egg production	0	0	0	0
Animal production, except cattle and poultry and eggs	0	0	0	0
Forestry, forest products, and timber tract production	<1	<1	<1	<1
Commercial logging	<1	69	67	82
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	8	9	18
Support activities for agriculture and forestry	<1	80	174	317
Oil and gas extraction	<1	4,854	5,864	14,092
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	0	0	0	0
Sand and gravel mining	<1	31	33	121
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	0	0	0	0
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	11	12	22
Metal mining services	<1	87	120	319
Other nonmetallic minerals services	<1	8	9	23
Electric power generation - Hydroelectric	<1	2,846	8,412	15,012
Electric power generation - Fossil fuel	<1	3,532	14,254	33,336
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	<1	495	1,903	3,547
Electric power generation - Wind	0	0	0	0
Electric power generation - Geothermal	0	0	0	0

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Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	55,122	192,736	402,088
Natural gas distribution	<1	33,698	95,450	188,444
Water, sewage and other systems	<1	1,450	3,333	5,283
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	21,675	35,398	71,672
Maintenance and repair construction of residential structures	<1	8,920	13,857	27,995
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	11	23
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	158	398	3,733
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

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Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	0	0	0	0
Chocolate and confectionery manufacturing from cacao beans	<1	4	6	95
Confectionery manufacturing from purchased chocolate	<1	2	3	75
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	<1	<1	<1	24
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1	4	221
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	0	0	0	0
Frozen cakes and other pastries manufacturing	<1	834	1,160	2,083
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	67	90	572
Meat processed from carcasses	<1	36	47	244
Rendering and meat byproduct processing	<1	10	13	60
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	1,222	1,703	5,756
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	12	22	215
Other snack food manufacturing	<1	6	8	29
Coffee and tea manufacturing	<1	<1	3	127
Flavoring syrup and concentrate manufacturing	<1	6	25	326
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	0	0	0	0
All other food manufacturing	<1	44	68	1,956

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Bottled and canned soft drinks & water	<1	40	47	317
Manufactured ice	0	0	0	0
Breweries	<1	879	1,081	5,692
Wineries	<1	25	29	258
Distilleries	<1	440	629	3,398
Tobacco product manufacturing	<1	1,111	5,234	17,066
Fiber, yarn, and thread mills	0	0	0	0
Broadwoven fabric mills	<1	60	93	276
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	4	5	12
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	3	5	45
Textile bag and canvas mills	0	0	0	0
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	3	3	28
Hosiery and sock mills	<1	4	6	13
Other apparel knitting mills	<1	7	11	24
Cut and sew apparel contractors	<1	24	39	120
Mens and boys cut and sew apparel manufacturing	<1	16	48	132
Womens and girls cut and sew apparel manufacturing	<1	3	5	15
Other cut and sew apparel manufacturing	<1	6	10	27
Apparel accessories and other apparel manufacturing	<1	3	5	14
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	2
Sawmills	<1	22	22	594
Wood preservation	0	0	0	0
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	0	0	0	0
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0

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Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	0	0	0	0
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	0	0	0	0
All other miscellaneous wood product manufacturing	0	0	0	0
Pulp mills	0	0	0	0
Paper mills	<1	1,850	77	6,834
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	3	275,626	440,258	742,529
Support activities for printing	<1	88	125	216
Petroleum refineries	<1	6	9	12,025
Asphalt paving mixture and block manufacturing	0	0	0	0
Asphalt shingle and coating materials manufacturing	0	0	0	0
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	0	0	0	0
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	12	13	53
Other basic organic chemical manufacturing	0	0	0	0
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

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Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	<1	2	2	6
Pesticide and other agricultural chemical manufacturing	0	0	0	0
Medicinal and botanical manufacturing	<1	1	1	4
Pharmaceutical preparation manufacturing	<1	239	303	1,082
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	1	1	3
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	<1	6	6	24
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	0	0	0	0
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	0	0	0	0
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	15	16	65
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	0	0	0	0
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	162	29	620

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Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	0	0	0	0
Pottery, ceramics, and plumbing fixture manufacturing	0	0	0	0
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	0	0	0	0
Ready-mix concrete manufacturing	<1	33	86	211
Concrete block and brick manufacturing	0	0	0	0
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	0	0	0	0
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	0	0	0	0
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	126	176	277
Ground or treated mineral and earth manufacturing	0	0	0	0
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	<1	72	381	531
Iron and steel mills and ferroalloy manufacturing	<1	193	616	5,336
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

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Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	0	0	0	0
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	0	0	0	0
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	0	0	0	0
Prefabricated metal buildings and components manufacturing	0	0	0	0
Fabricated structural metal manufacturing	0	0	0	0
Plate work manufacturing	0	0	0	0
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	0	0	0	0
Ornamental and architectural metal work manufacturing	<1	100	99	219
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	0	0	0	0
Metal cans manufacturing	0	0	0	0
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	0	0	0	0
Machine shops	0	0	0	0
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	0	0	0	0
Metal coating and nonprecious engraving	0	0	0	0
Electroplating, anodizing, and coloring metal	0	0	0	0
Valve and fittings, other than plumbing, manufacturing	<1	54	53	136

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Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	0	0	0	0
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	15	14	42
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	48	50	135
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	0	0	0	0
Mining machinery and equipment manufacturing	0	0	0	0
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	0	0	0	0
Optical instrument and lens manufacturing	0	0	0	0
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	0	0	0	0
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	0	0	0	0
Special tool, die, jig, and fixture manufacturing	0	0	0	0

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Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	0	0	0	0
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	<1	8	36	71
Conveyor and conveying equipment manufacturing	0	0	0	0
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	0	0	0	0
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	0	0	0	0
Electronic computer manufacturing	<1	6	17	45
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	16,605	35,734	75,663
Telephone apparatus manufacturing	<1	6	14	28

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Broadcast and wireless communications equipment manufacturing	<1	<1	<1	2
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	<1	<1	2	4
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	5	13	30
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	<1	<1	<1	1
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	0	0	0	0
Industrial process variable instruments manufacturing	0	0	0	0
Totalizing fluid meter and counting device manufacturing	0	0	0	0
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	20	37	63
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	0	0	0	0
Motor and generator manufacturing	0	0	0	0
Switchgear and switchboard apparatus manufacturing	0	0	0	0
Relay and industrial control manufacturing	0	0	0	0
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	8	-5	20
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	0	0	0	0
All other miscellaneous electrical equipment and component manufacturing	<1	2	<1	5
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	0	0	0	0
Truck trailer manufacturing	0	0	0	0
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	0	0	0	0
Motor vehicle electrical and electronic equipment manufacturing	<1	10	21	48
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	0	0	0	0

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0	0	0	0
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	30	292	344
Upholstered household furniture manufacturing	<1	43	138	254
Nonupholstered wood household furniture manufacturing	0	0	0	0
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	0	0	0	0
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	7	5	16
Surgical appliance and supplies manufacturing	<1	12	9	25
Dental equipment and supplies manufacturing	0	0	0	0

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Ophthalmic goods manufacturing	0	0	0	0
Dental laboratories	<1	36	37	61
Jewelry and silverware manufacturing	<1	73	112	306
Sporting and athletic goods manufacturing	0	0	0	0
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	82	62	133
Gasket, packing, and sealing device manufacturing	0	0	0	0
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	128	118	226
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	4,904	9,771	16,115
Wholesale - Professional and commercial equipment and supplies	<1	42,104	62,159	95,776
Wholesale - Household appliances and electrical and electronic goods	<1	5,972	12,274	19,100
Wholesale - Machinery, equipment, and supplies	<1	1,567	3,177	4,257
Wholesale - Other durable goods merchant wholesalers	<1	12,139	19,460	29,815
Wholesale - Drugs and druggists' sundries	<1	28,746	67,466	98,993
Wholesale - Grocery and related product wholesalers	<1	11,613	15,537	30,946
Wholesale - Petroleum and petroleum products	<1	155	3,887	4,248
Wholesale - Other nondurable goods merchant wholesalers	<1	22,479	56,330	93,634
Wholesale - Wholesale electronic markets and agents and brokers	<1	64,187	66,478	73,721
Retail - Motor vehicle and parts dealers	<1	891	1,457	2,429
Retail - Furniture and home furnishings stores	<1	17,215	21,871	31,178
Retail - Electronics and appliance stores	<1	21,005	20,372	28,781

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Retail - Building material and garden equipment and supplies stores	<1	10,098	16,870	22,091
Retail - Food and beverage stores	1	46,258	63,154	98,770
Retail - Health and personal care stores	<1	31,015	38,391	55,839
Retail - Gasoline stores	<1	4,828	8,358	14,611
Retail - Clothing and clothing accessories stores	<1	25,905	39,781	71,263
Retail - Sporting goods, hobby, musical instrument and book stores	<1	14,760	18,779	25,641
Retail - General merchandise stores	<1	48,876	61,930	86,318
Retail - Miscellaneous store retailers	<1	26,844	30,989	42,358
Retail - Nonstore retailers	<1	15,317	51,786	84,918
Air transportation	<1	3,270	4,336	8,142
Rail transportation	<1	22,648	5,726	41,429
Water transportation	<1	788	896	10,939
Truck transportation	1	86,632	47,118	142,432
Transit and ground passenger transportation	<1	7,580	10,139	16,325
Pipeline transportation	<1	4,043	7,915	9,941
Scenic and sightseeing transportation and support activities for transportation	<1	28,885	30,622	64,801
Couriers and messengers	<1	9,343	11,648	22,606
Warehousing and storage	<1	774	750	5,209
Newspaper publishers	<1	21,472	39,644	43,178
Periodical publishers	<1	23,245	39,972	52,538
Book publishers	<1	5,719	20,382	25,809
Directory, mailing list, and other publishers	<1	14,482	44,948	57,351
Greeting card publishing	0	0	0	0
Software publishers	<1	66,084	166,853	176,326
Motion picture and video industries	<1	16,849	26,363	49,439
Sound recording industries	<1	1,757	9,852	15,131
Radio and television broadcasting	<1	59,734	91,331	189,609
Cable and other subscription programming	<1	6,674	85,924	115,526
Wired telecommunications carriers	<1	47,289	153,214	205,080
Wireless telecommunications carriers (except satellite)	<1	4,302	49,654	76,925

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	77,210	133,916	217,532
Data processing, hosting, and related services	<1	38,441	56,506	150,588
News syndicates, libraries, archives and all other information services	<1	26,475	42,479	73,156
Internet publishing and broadcasting and web search portals	<1	110,093	225,203	626,774
Nondepository credit intermediation and related activities	<1	134,135	166,692	226,115
Securities and commodity contracts intermediation and brokerage	<1	115,318	101,340	141,575
Monetary authorities and depository credit intermediation	1	168,226	448,334	621,843
Other financial investment activities	1	150,057	185,644	307,813
Direct life insurance carriers	<1	10,100	26,419	28,598
Insurance carriers, except direct life	<1	34,842	182,055	248,334
Insurance agencies, brokerages, and related activities	<1	138,636	294,314	406,829
Funds, trusts, and other financial vehicles	<1	32,860	59,690	120,957
Other real estate	12	626,010	1,317,732	2,764,275
Tenant-occupied housing	<1	17,337	247,027	269,238
Owner-occupied dwellings	0	0	720,629	914,806
Automotive equipment rental and leasing	<1	3,654	16,339	24,321
General and consumer goods rental except video tapes and discs	<1	8,170	12,091	20,244
Video tape and disc rental	<1	2,452	4,089	6,049
Commercial and industrial machinery and equipment rental and leasing	<1	14,243	50,382	72,384
Lessors of nonfinancial intangible assets	<1	1,498	14,571	18,987
Legal services	2	448,935	629,726	728,096
Accounting, tax preparation, bookkeeping, and payroll services	1	188,670	188,707	235,003
Architectural, engineering, and related services	1	156,280	156,364	226,619
Specialized design services	<1	29,888	31,322	43,071
Custom computer programming services	<1	48,519	47,505	60,373

Appendix

Computer systems design services	<1	106,192	88,841	107,702
Other computer related services, including facilities management	<1	44,059	44,082	80,484
Management consulting services	6	944,398	955,722	1,248,205
Environmental and other technical consulting services	<1	57,501	58,053	70,911
Scientific research and development services	35	4,849,290	5,639,221	9,450,517
Advertising, public relations, and related services	<1	221,695	224,446	291,471
Photographic services	<1	925	1,234	2,480
Veterinary services	<1	6,110	6,159	8,444
Marketing research and all other miscellaneous professional, scientific, and technical services	8	1,239,427	1,378,653	2,305,943
Management of companies and enterprises	1	305,914	355,050	478,790
Office administrative services	<1	69,161	18,405	45,108
Facilities support services	<1	10,704	15,536	30,706
Employment services	5	344,356	481,311	619,641
Business support services	<1	70,680	53,653	83,128
Travel arrangement and reservation services	<1	16,498	20,921	38,481
Investigation and security services	1	68,894	65,778	88,122
Services to buildings	2	67,617	89,961	164,249
Landscape and horticultural services	<1	6,747	8,289	14,185
Other support services	<1	10,516	13,221	22,236
Waste management and remediation services	<1	6,421	9,878	20,900
Elementary and secondary schools	1	81,795	68,926	76,733
Junior colleges, colleges, universities, and professional schools	55	3,695,374	5,088,254	6,192,690
Other educational services	<1	66,078	73,724	114,196
Offices of physicians	1	217,404	228,447	294,785
Offices of dentists	<1	36,776	47,560	62,238
Offices of other health practitioners	<1	20,585	31,222	38,584
Outpatient care centers	<1	57,876	53,587	89,903
Medical and diagnostic laboratories	<1	4,931	7,468	10,719
Home health care services	2	60,243	58,242	80,071
Other ambulatory health care services	<1	8,779	9,924	14,144

Appendix

Hospitals	4	387,771	445,046	756,987
Nursing and community care facilities	<1	29,536	31,966	52,079
Residential mental retardation, mental health, substance abuse and other facilities	<1	37,491	39,436	59,665
Individual and family services	2	100,163	82,085	106,665
Child day care services	<1	34,192	48,451	61,631
Community food, housing, and other relief services, including rehabilitation services	<1	31,244	30,643	51,085
Performing arts companies	<1	5,368	8,023	12,188
Commercial Sports Except Racing	<1	33,383	7,696	16,339
Racing and Track Operation	<1	2,393	3,581	5,150
Independent artists, writers, and performers	<1	4,943	17,081	20,539
Promoters of performing arts and sports and agents for public figures	<1	23,506	43,686	58,619
Museums, historical sites, zoos, and parks	<1	5,876	7,038	10,162
Amusement parks and arcades	<1	190	236	379
Gambling industries (except casino hotels)	<1	21,700	44,680	63,891
Other amusement and recreation industries	<1	7,969	9,379	14,489
Fitness and recreational sports centers	<1	10,067	13,279	21,190
Bowling centers	<1	1,416	2,768	3,688
Hotels and motels, including casino hotels	<1	21,968	45,700	60,705
Other accommodations	<1	5,017	6,935	8,762
Full-service restaurants	3	126,289	188,866	282,343
Limited-service restaurants	3	92,445	144,489	253,862
All other food and drinking places	2	78,671	124,759	170,496
Automotive repair and maintenance, except car washes	<1	9,181	4,622	9,814
Car washes	<1	2,768	4,084	6,817
Electronic and precision equipment repair and maintenance	<1	21,626	25,256	35,460
Commercial and industrial machinery and equipment repair and maintenance	<1	4,966	3,055	5,174
Personal and household goods repair and maintenance	<1	2,858	4,372	6,816
Personal care services	<1	32,718	17,395	24,012
Death care services	<1	2,067	-775	418

Appendix

Dry-cleaning and laundry services	<1	5,521	-2,472	1,223
Other personal services	1	51,114	57,207	79,551
Religious organizations	2	212,360	-30,851	108,512
Grantmaking, giving, and social advocacy organizations	<1	43,473	65,656	105,598
Business and professional associations	<1	49,036	56,690	84,660
Labor and civic organizations	<1	52,552	75,230	113,753
Private households	1	30,392	30,392	30,392
Postal service	<1	41,898	41,903	43,840
Federal electric utilities	0	0	0	0
Other federal government enterprises	11	1,846,454	1,425,610	3,885,482
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	72,852	10,726	71,259
Local government electric utilities	0	0	0	0
Other local government enterprises	0	0	0	0
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	35	6,631,863	7,401,826	16,811,812

West Virginia

NASA

Table 772: Detailed NASA Impacts by Types of Impact, West Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	707	47,770,795	70,092,517	139,197,134
Oilseed farming	<1	-1,891	5,187	6,899
Grain farming	<1	-1,486	2,733	15,295
Vegetable and melon farming	<1	-1,687	3,320	7,451
Fruit farming	<1	-6,609	10,274	16,632
Tree nut farming	<1	-182	299	469
Greenhouse, nursery, and floriculture production	<1	744	4,770	9,352
Tobacco farming	<1	<1	13	25
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	5	-649	8,194	24,361
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	2	-2,732	16,287	43,441
Dairy cattle and milk production	<1	-119	381	2,163
Poultry and egg production	<1	-262	10,499	82,897
Animal production, except cattle and poultry and eggs	2	-12,396	41,901	57,876
Forestry, forest products, and timber tract production	<1	974	1,096	1,381
Commercial logging	<1	9,688	7,562	11,075
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	83	-1,222	901
Support activities for agriculture and forestry	1	36,986	26,810	37,264
Oil and gas extraction	<1	36,642	237,652	497,501
Coal mining	<1	75,534	174,396	279,530
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	170	482	1,773
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	4,134	12,647	23,766
Sand and gravel mining	<1	2,549	5,441	9,256

Appendix

Other clay, ceramic, refractory minerals mining	<1	144	269	463
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	583	1,118	2,052
Drilling oil and gas wells	<1	21	39	100
Support activities for oil and gas operations	<1	1,380	2,389	5,044
Metal mining services	<1	349	2,465	5,840
Other nonmetallic minerals services	<1	284	1,002	2,690
Electric power generation - Hydroelectric	<1	2,356	6,061	12,421
Electric power generation - Fossil fuel	<1	53,327	174,666	509,757
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	266	1,925	4,430
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	69,830	213,726	636,634
Natural gas distribution	<1	38,980	96,627	254,530
Water, sewage and other systems	<1	16,543	29,888	55,508
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	2	124,474	205,593	438,879
Maintenance and repair construction of residential structures	<1	55,043	88,074	191,756
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	112	185	397
Dog and cat food manufacturing	<1	429	523	5,199
Other animal food manufacturing	<1	434	967	6,830
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	21	26	652
Nonchocolate confectionery manufacturing	<1	29	32	333
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	9	9	177
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	107	110	938
Canned fruits and vegetables manufacturing	<1	68	76	864
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	1,543	1,567	17,162
Creamery butter manufacturing	<1	556	748	16,432
Ice cream and frozen dessert manufacturing	<1	201	207	1,382
Frozen cakes and other pastries manufacturing	<1	1,184	1,764	3,470

Appendix

Poultry processing	<1	19,270	19,911	121,789
Animal, except poultry, slaughtering	<1	479	531	8,264
Meat processed from carcasses	<1	1,229	1,165	13,602
Rendering and meat byproduct processing	<1	214	178	1,262
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	4,401	5,384	16,847
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	245	273	2,017
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	520	654	3,979
Other snack food manufacturing	<1	434	553	3,864
Coffee and tea manufacturing	<1	17	18	243
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	48	53	562
Spice and extract manufacturing	<1	40	42	418
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	1,112	1,183	11,224
Manufactured ice	<1	285	48	898
Breweries	<1	465	515	4,781
Wineries	<1	301	309	1,612
Distilleries	<1	330	411	2,817
Tobacco product manufacturing	<1	8,455	28,217	190,315
Fiber, yarn, and thread mills	<1	134	201	1,252
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	138	243	1,177
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	15	20	95
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	13	17	78
Textile bag and canvas mills	<1	58	69	330
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	95	115	601
Hosiery and sock mills	<1	8	15	39

Appendix

Other apparel knitting mills	<1	9	18	45
Cut and sew apparel contractors	<1	53	72	206
Mens and boys cut and sew apparel manufacturing	<1	42	91	227
Womens and girls cut and sew apparel manufacturing	<1	5	10	45
Other cut and sew apparel manufacturing	<1	42	128	358
Apparel accessories and other apparel manufacturing	<1	7	15	49
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	2	2	56
Sawmills	<1	6,702	8,716	39,895
Wood preservation	<1	616	1,185	5,263
Veneer and plywood manufacturing	<1	986	1,292	4,367
Engineered wood member and truss manufacturing	<1	1,046	1,321	3,890
Reconstituted wood product manufacturing	<1	1,797	3,155	11,735
Wood windows and door manufacturing	<1	3,048	3,655	10,551
Cut stock, resawing lumber, and planing	<1	663	917	3,069
Other millwork, including flooring	<1	5,791	7,562	24,077
Wood container and pallet manufacturing	<1	785	929	3,377
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	341	408	1,643
All other miscellaneous wood product manufacturing	<1	1,971	2,433	9,239
Pulp mills	<1	195	212	1,382
Paper mills	0	0	0	0
Paperboard mills	<1	491	653	4,527
Paperboard container manufacturing	<1	368	422	2,431
Paper bag and coated and treated paper manufacturing	<1	1,065	1,267	6,007
Stationery product manufacturing	<1	294	340	1,674
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

Appendix

Printing	<1	27,731	38,649	105,189
Support activities for printing	0	0	0	0
Petroleum refineries	<1	9,413	88,411	391,701
Asphalt paving mixture and block manufacturing	<1	811	1,427	6,352
Asphalt shingle and coating materials manufacturing	<1	193	893	1,691
Petroleum lubricating oil and grease manufacturing	<1	1,877	8,519	16,878
All other petroleum and coal products manufacturing	<1	3,249	16,615	37,040
Petrochemical manufacturing	<1	4,105	21,852	126,275
Industrial gas manufacturing	<1	2,446	4,137	14,720
Synthetic dye and pigment manufacturing	<1	84	135	578
Other basic inorganic chemical manufacturing	<1	5,326	9,039	31,051
Other basic organic chemical manufacturing	<1	11,900	19,569	142,360
Plastics material and resin manufacturing	<1	18,913	26,041	167,496
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	4,077	9,247	54,709
Medicinal and botanical manufacturing	<1	125	170	572
Pharmaceutical preparation manufacturing	<1	18,808	46,830	170,045
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	711	1,110	5,331
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	1,577	3,595	14,700
Polish and other sanitation good manufacturing	<1	307	408	1,585
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	25	67	454
Printing ink manufacturing	0	0	0	0

Appendix

Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	460	681	3,115
Photographic film and chemical manufacturing	<1	3,870	6,901	28,972
Other miscellaneous chemical product manufacturing	<1	262	368	1,677
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	740	1,206	4,922
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	129	345	1,321
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	68	125	428
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	1,032	1,642	5,400
Plastics bottle manufacturing	<1	193	305	1,291
Other plastics product manufacturing	<1	8,225	11,892	43,704
Tire manufacturing	<1	15	23	168
Rubber and plastics hoses and belting manufacturing	<1	77	114	365
Other rubber product manufacturing	<1	2,669	3,722	11,448
Pottery, ceramics, and plumbing fixture manufacturing	<1	1,199	1,887	4,391
Brick, tile, and other structural clay product manufacturing	<1	436	855	1,916
Flat glass manufacturing	<1	264	634	1,299
Other pressed and blown glass and glassware manufacturing	<1	464	928	2,750
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	400	768	1,655
Cement manufacturing	<1	297	843	1,765
Ready-mix concrete manufacturing	<1	7,240	13,888	45,145
Concrete block and brick manufacturing	<1	2,260	4,656	9,404
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	2,303	3,528	8,705
Lime manufacturing	<1	236	663	1,568
Gypsum product manufacturing	<1	447	1,412	3,344

Appendix

Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	657	824	2,086
Ground or treated mineral and earth manufacturing	<1	125	399	876
Mineral wool manufacturing	<1	1,294	3,550	7,479
Miscellaneous nonmetallic mineral products manufacturing	<1	55	188	434
Iron and steel mills and ferroalloy manufacturing	<1	3,409	6,009	39,908
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	55	91	726
Aluminum sheet, plate, and foil manufacturing	<1	1,411	2,658	12,719
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	158	228	1,751
Nonferrous metal, except copper and aluminum, shaping	<1	633	753	2,733
Secondary processing of other nonferrous metals	<1	287	486	2,761
Ferrous metal foundries	<1	243	348	867
Nonferrous metal foundries	<1	121	168	425
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	154	183	562
Iron and steel forging	<1	136	197	738
Nonferrous forging	<1	204	268	947
Cutlery, utensil, pot, and pan manufacturing	<1	181	382	1,238
Handtool manufacturing	<1	40	59	177
Prefabricated metal buildings and components manufacturing	<1	334	431	1,424
Fabricated structural metal manufacturing	<1	1,749	2,352	9,425
Plate work manufacturing	<1	246	264	792
Metal window and door manufacturing	<1	236	296	869
Sheet metal work manufacturing	<1	630	776	2,261

Appendix

Ornamental and architectural metal work manufacturing	<1	8	10	58
Power boiler and heat exchanger manufacturing	<1	4	5	20
Metal tank (heavy gauge) manufacturing	<1	6	7	29
Metal cans manufacturing	<1	311	592	3,998
Metal barrels, drums and pails manufacturing	<1	11	13	55
Hardware manufacturing	<1	28	40	143
Spring and wire product manufacturing	<1	35	44	161
Machine shops	<1	5,678	6,596	14,030
Turned product and screw, nut, and bolt manufacturing	<1	319	427	1,296
Metal heat treating	<1	32	43	108
Metal coating and nonprecious engraving	<1	826	1,268	2,934
Electroplating, anodizing, and coloring metal	<1	327	360	811
Valve and fittings, other than plumbing, manufacturing	<1	26	37	125
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	129	228	581
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	51	85	325
Fabricated pipe and pipe fitting manufacturing	<1	511	598	1,665
Other fabricated metal manufacturing	<1	52	63	172
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	63	79	486
Mining machinery and equipment manufacturing	<1	420	443	1,748
Oil and gas field machinery and equipment manufacturing	<1	313	328	1,605
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

Appendix

Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	2
Optical instrument and lens manufacturing	<1	1	1	5
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	75	81	474
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	28	29	141
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	35	39	211
Industrial mold manufacturing	<1	16	16	38
Special tool, die, jig, and fixture manufacturing	<1	8	8	18
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	135	142	531
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	46	50	227
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	71	73	244
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	2	2	6
Fluid power cylinder and actuator manufacturing	<1	115	122	431
Fluid power pump and motor manufacturing	<1	43	45	278
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	7	7	28
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	15	18	48
Audio and video equipment manufacturing	<1	6	8	24
Printed circuit assembly (electronic assembly) manufacturing	<1	13	18	145
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	12	16	93
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	8	10	44
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	12	14	64
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	163	189	482

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Industrial process variable instruments manufacturing	<1	210	265	928
Totalizing fluid meter and counting device manufacturing	<1	24	35	114
Electricity and signal testing instruments manufacturing	<1	<1	<1	1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	2	3	9
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	28	33	63
Electric lamp bulb and part manufacturing	<1	136	175	506
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	17	19	65
Motor and generator manufacturing	<1	253	307	1,260
Switchgear and switchboard apparatus manufacturing	<1	50	60	209
Relay and industrial control manufacturing	<1	36	41	135
Storage battery manufacturing	<1	355	394	1,201
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	35	41	159
Wiring device manufacturing	<1	172	210	649
Carbon and graphite product manufacturing	<1	573	691	2,340
All other miscellaneous electrical equipment and component manufacturing	<1	2	2	5
Automobile manufacturing	0	0	0	0

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	18	87	295
Motor vehicle body manufacturing	<1	85	160	443
Truck trailer manufacturing	<1	6	10	32
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	8,052	18,330	59,757
Motor vehicle electrical and electronic equipment manufacturing	<1	7,321	12,620	42,718
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	3,907	6,184	16,800
Other motor vehicle parts manufacturing	<1	2,231	4,389	19,793
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	2,266	5,753	13,886
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	776	1,726	4,064
Other aircraft parts and auxiliary equipment manufacturing	<1	75	104	272
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	39	57	127
Railroad rolling stock manufacturing	<1	20	24	148
Ship building and repairing	0	0	0	0
Boat building	<1	919	1,225	4,996
Motorcycle, bicycle, and parts manufacturing	<1	16	49	172
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	78	143	827
Wood kitchen cabinet and countertop manufacturing	<1	2,754	1,853	7,123
Upholstered household furniture manufacturing	0	0	0	0

Appendix

Nonupholstered wood household furniture manufacturing	<1	85	72	289
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	34	33	135
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	50	42	133
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	12	7	72
Mattress manufacturing	<1	13	4	149
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	44	91	191
Surgical appliance and supplies manufacturing	<1	1,770	3,977	9,750
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	10	23	41
Dental laboratories	<1	132	137	284
Jewelry and silverware manufacturing	<1	306	550	1,726
Sporting and athletic goods manufacturing	<1	26	40	197
Doll, toy, and game manufacturing	<1	23	45	496
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	1,036	980	3,048
Gasket, packing, and sealing device manufacturing	<1	41	55	171
Musical instrument manufacturing	<1	85	94	291
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	25	36	173
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	19,849	45,935	106,831
Wholesale - Professional and commercial equipment and supplies	<1	69,396	111,208	209,656

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	23,173	56,104	131,626
Wholesale - Machinery, equipment, and supplies	<1	61,065	116,936	208,131
Wholesale - Other durable goods merchant wholesalers	<1	58,200	103,111	222,752
Wholesale - Drugs and druggists' sundries	<1	82,800	241,552	438,909
Wholesale - Grocery and related product wholesalers	1	75,360	102,636	213,954
Wholesale - Petroleum and petroleum products	<1	18,637	277,136	322,439
Wholesale - Other nondurable goods merchant wholesalers	2	99,243	218,069	425,220
Wholesale - Wholesale electronic markets and agents and brokers	1	101,252	105,432	126,647
Retail - Motor vehicle and parts dealers	3	127,182	219,403	332,955
Retail - Furniture and home furnishings stores	1	46,071	61,141	106,324
Retail - Electronics and appliance stores	1	63,739	62,795	113,104
Retail - Building material and garden equipment and supplies stores	2	72,731	142,512	213,392
Retail - Food and beverage stores	6	176,721	252,401	432,017
Retail - Health and personal care stores	4	169,789	213,513	322,233
Retail - Gasoline stores	3	69,247	129,825	253,987
Retail - Clothing and clothing accessories stores	3	59,942	105,332	232,920
Retail - Sporting goods, hobby, musical instrument and book stores	2	49,889	68,578	124,341
Retail - General merchandise stores	8	234,241	360,675	589,729
Retail - Miscellaneous store retailers	5	83,581	109,998	205,147
Retail - Nonstore retailers	5	61,869	258,792	680,012
Air transportation	<1	6,099	15,882	45,896
Rail transportation	<1	26,323	69,702	120,156
Water transportation	<1	14,636	17,752	86,684
Truck transportation	3	234,429	269,179	526,005
Transit and ground passenger transportation	1	14,210	17,958	30,442
Pipeline transportation	<1	58,873	105,069	128,664
Scenic and sightseeing transportation and support activities for transportation	3	195,937	220,266	435,108

Appendix

Couriers and messengers	2	73,979	100,111	166,984
Warehousing and storage	3	86,329	92,719	209,999
Newspaper publishers	1	46,889	74,598	103,762
Periodical publishers	<1	6,210	9,281	16,855
Book publishers	<1	24,513	66,313	126,589
Directory, mailing list, and other publishers	<1	29,727	74,130	124,425
Greeting card publishing	0	0	0	0
Software publishers	<1	13,455	26,158	31,013
Motion picture and video industries	<1	14,466	28,241	107,089
Sound recording industries	<1	259	1,543	8,595
Radio and television broadcasting	1	105,259	135,400	468,473
Cable and other subscription programming	<1	10,988	72,565	208,165
Wired telecommunications carriers	1	157,564	356,219	657,207
Wireless telecommunications carriers (except satellite)	<1	6,600	49,386	164,353
Satellite, telecommunications resellers, and all other telecommunications	2	201,650	294,578	777,726
Data processing, hosting, and related services	<1	68,117	126,508	407,664
News syndicates, libraries, archives and all other information services	<1	2,556	3,593	11,000
Internet publishing and broadcasting and web search portals	<1	10,081	18,245	116,789
Nondepository credit intermediation and related activities	<1	51,202	65,943	125,696
Securities and commodity contracts intermediation and brokerage	2	130,012	134,729	280,540
Monetary authorities and depository credit intermediation	8	528,089	1,182,355	2,539,418
Other financial investment activities	1	48,759	74,581	217,007
Direct life insurance carriers	<1	18,201	39,535	59,077
Insurance carriers, except direct life	2	156,056	581,527	1,294,503
Insurance agencies, brokerages, and related activities	3	191,881	311,408	845,911
Funds, trusts, and other financial vehicles	1	47,899	63,584	346,825
Other real estate	27	513,807	2,253,160	5,382,418
Tenant-occupied housing	2	44,162	617,407	722,473

Appendix

Owner-occupied dwellings	0	0	2,798,103	3,552,069
Automotive equipment rental and leasing	<1	25,736	87,489	127,871
General and consumer goods rental except video tapes and discs	<1	42,543	55,189	99,259
Video tape and disc rental	<1	9,882	18,201	28,804
Commercial and industrial machinery and equipment rental and leasing	<1	43,761	137,847	184,201
Lessors of nonfinancial intangible assets	<1	2,933	75,073	86,638
Legal services	11	897,877	1,920,344	2,514,794
Accounting, tax preparation, bookkeeping, and payroll services	4	267,950	229,738	407,440
Architectural, engineering, and related services	5	396,070	383,557	707,613
Specialized design services	<1	4,795	4,163	9,210
Custom computer programming services	<1	60,311	61,106	88,820
Computer systems design services	2	168,761	132,556	177,427
Other computer related services, including facilities management	<1	14,900	13,291	34,484
Management consulting services	40	3,401,935	3,406,256	5,610,870
Environmental and other technical consulting services	2	167,768	166,084	243,024
Scientific research and development services	205	14,903,477	21,770,597	43,972,836
Advertising, public relations, and related services	2	100,524	95,688	247,586
Photographic services	<1	6,926	6,776	25,495
Veterinary services	<1	43,211	39,006	66,452
Marketing research and all other miscellaneous professional, scientific, and technical services	4	380,063	281,501	725,655
Management of companies and enterprises	10	977,902	1,117,239	2,013,815
Office administrative services	5	317,416	132,470	321,531
Facilities support services	<1	17,020	25,581	49,490
Employment services	19	837,951	1,245,133	1,811,956
Business support services	5	198,781	169,192	324,554
Travel arrangement and reservation services	<1	32,412	43,034	117,558
Investigation and security services	3	98,112	97,026	148,893
Services to buildings	4	105,984	149,298	283,345
Landscape and horticultural services	3	116,760	144,808	251,512

Appendix

Other support services	1	43,377	56,894	124,129
Waste management and remediation services	1	89,976	144,810	286,110
Elementary and secondary schools	2	45,770	40,314	50,869
Junior colleges, colleges, universities, and professional schools	8	242,236	337,651	511,283
Other educational services	1	44,949	53,594	111,310
Offices of physicians	11	1,169,890	1,222,849	1,736,415
Offices of dentists	3	163,501	200,962	294,049
Offices of other health practitioners	4	187,653	264,199	363,589
Outpatient care centers	4	231,624	211,821	406,423
Medical and diagnostic laboratories	<1	45,168	63,084	93,893
Home health care services	6	262,810	250,921	323,890
Other ambulatory health care services	1	70,096	77,642	131,588
Hospitals	25	1,942,795	2,172,791	4,380,258
Nursing and community care facilities	6	277,345	289,895	496,722
Residential mental retardation, mental health, substance abuse and other facilities	3	117,564	120,887	197,978
Individual and family services	11	276,357	240,503	378,278
Child day care services	3	67,730	101,117	142,052
Community food, housing, and other relief services, including rehabilitation services	2	68,152	67,823	166,679
Performing arts companies	1	14,941	27,388	60,990
Commercial Sports Except Racing	2	23,803	29,406	62,235
Racing and Track Operation	<1	1,974	4,174	7,565
Independent artists, writers, and performers	<1	2,834	15,499	26,665
Promoters of performing arts and sports and agents for public figures	1	14,360	38,066	93,728
Museums, historical sites, zoos, and parks	<1	6,266	10,365	18,651
Amusement parks and arcades	<1	1,721	3,043	5,516
Gambling industries (except casino hotels)	2	36,654	95,064	174,932
Other amusement and recreation industries	1	28,423	31,683	65,641
Fitness and recreational sports centers	1	15,820	21,400	45,866
Bowling centers	<1	3,983	6,172	12,096

Appendix

Hotels and motels, including casino hotels	<1	15,716	32,722	52,945
Other accommodations	<1	2,850	4,102	5,904
Full-service restaurants	16	352,609	525,977	973,102
Limited-service restaurants	15	292,870	480,790	1,089,814
All other food and drinking places	9	235,684	366,637	560,997
Automotive repair and maintenance, except car washes	3	156,121	205,518	308,435
Car washes	2	74,910	127,122	195,216
Electronic and precision equipment repair and maintenance	<1	32,682	40,678	74,529
Commercial and industrial machinery and equipment repair and maintenance	2	135,401	108,819	182,993
Personal and household goods repair and maintenance	<1	20,125	38,201	59,076
Personal care services	3	74,414	67,394	92,999
Death care services	<1	23,485	15,220	23,382
Dry-cleaning and laundry services	2	48,454	29,373	41,645
Other personal services	1	39,170	49,987	73,291
Religious organizations	6	242,641	132,009	525,985
Grantmaking, giving, and social advocacy organizations	2	59,566	200,156	347,882
Business and professional associations	<1	41,036	73,869	135,818
Labor and civic organizations	3	55,735	166,423	327,894
Private households	3	34,766	34,760	34,760
Postal service	2	144,345	144,365	154,700
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	2,439	4,458	10,959
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	35,545	49,518	91,758
Local government passenger transit	1	62,704	51,018	146,530
Local government electric utilities	0	0	0	0
Other local government enterprises	2	140,303	406,272	746,757
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	60	10,570,672	12,856,025	29,411,090

Moon to Mars Campaign

Table 773: Detailed M2M Campaign Impacts by Types of Impact, West Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>61</i>	<i>3,843,226</i>	<i>5,949,985</i>	<i>11,291,538</i>
Oilseed farming	<1	-174	682	1,030
Grain farming	<1	-123	262	1,339
Vegetable and melon farming	<1	-127	257	576
Fruit farming	<1	-555	875	1,424
Tree nut farming	<1	-19	32	49
Greenhouse, nursery, and floriculture production	<1	55	361	701
Tobacco farming	<1	<1	2	4
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	-44	570	1,683
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	-212	1,306	3,541
Dairy cattle and milk production	<1	-12	35	191
Poultry and egg production	<1	-18	778	5,508
Animal production, except cattle and poultry and eggs	<1	-874	3,437	4,808
Forestry, forest products, and timber tract production	<1	120	135	166
Commercial logging	<1	841	663	936
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	10	-100	71
Support activities for agriculture and forestry	<1	3,593	2,588	3,614
Oil and gas extraction	<1	2,016	16,319	33,833

Appendix

Coal mining	<1	4,589	9,817	16,185
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	18	50	180
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	437	1,140	2,188
Sand and gravel mining	<1	310	599	998
Other clay, ceramic, refractory minerals mining	<1	13	24	42
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	85	155	283
Drilling oil and gas wells	<1	1	3	8
Support activities for oil and gas operations	<1	80	145	307
Metal mining services	<1	24	199	474
Other nonmetallic minerals services	<1	24	104	267
Electric power generation - Hydroelectric	<1	216	552	1,104
Electric power generation - Fossil fuel	<1	6,214	19,269	52,014
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	22	158	356
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	6,848	20,705	58,673
Natural gas distribution	<1	3,734	9,571	24,018
Water, sewage and other systems	<1	1,325	2,350	4,143
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	11,936	19,899	41,529
Maintenance and repair construction of residential structures	<1	4,371	7,028	15,041
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	9	14	31
Dog and cat food manufacturing	<1	28	36	343
Other animal food manufacturing	<1	38	89	602
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	<1	2	3	67
Nonchocolate confectionery manufacturing	<1	3	3	29
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	13
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	8	9	74
Canned fruits and vegetables manufacturing	<1	7	8	86

Appendix

Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	119	124	1,340
Creamery butter manufacturing	<1	43	57	1,223
Ice cream and frozen dessert manufacturing	<1	17	17	109
Frozen cakes and other pastries manufacturing	<1	95	141	275
Poultry processing	<1	1,257	1,345	7,974
Animal, except poultry, slaughtering	<1	31	35	541
Meat processed from carcasses	<1	98	94	1,091
Rendering and meat byproduct processing	<1	18	15	107
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	342	420	1,304
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	18	20	157
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	45	59	338
Other snack food manufacturing	<1	35	45	309
Coffee and tea manufacturing	<1	1	1	18
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	4	5	47
Spice and extract manufacturing	<1	4	5	44
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	84	92	850
Manufactured ice	<1	22	4	68
Breweries	<1	34	40	363
Wineries	<1	32	33	165
Distilleries	<1	27	35	227
Tobacco product manufacturing	<1	798	3,170	19,592
Fiber, yarn, and thread mills	<1	9	15	83
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	16	30	132
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	2	3	12
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	1	2	7
Textile bag and canvas mills	<1	5	6	30
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	8	10	51
Hosiery and sock mills	<1	<1	1	3
Other apparel knitting mills	<1	<1	2	5
Cut and sew apparel contractors	<1	7	10	27
Mens and boys cut and sew apparel manufacturing	<1	4	9	21
Womens and girls cut and sew apparel manufacturing	<1	<1	1	5
Other cut and sew apparel manufacturing	<1	4	14	36
Apparel accessories and other apparel manufacturing	<1	<1	1	4
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	5
Sawmills	<1	537	696	3,221
Wood preservation	<1	45	86	393
Veneer and plywood manufacturing	<1	69	91	310
Engineered wood member and truss manufacturing	<1	103	128	376
Reconstituted wood product manufacturing	<1	148	252	932
Wood windows and door manufacturing	<1	271	327	933
Cut stock, resawing lumber, and planing	<1	54	75	250
Other millwork, including flooring	<1	567	738	2,279
Wood container and pallet manufacturing	<1	62	74	265
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	25	29	118
All other miscellaneous wood product manufacturing	<1	192	242	862
Pulp mills	<1	11	12	81

Appendix

Paper mills	0	0	0	0
Paperboard mills	<1	32	41	300
Paperboard container manufacturing	<1	34	38	219
Paper bag and coated and treated paper manufacturing	<1	97	110	529
Stationery product manufacturing	<1	29	33	160
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	2,956	4,215	10,829
Support activities for printing	0	0	0	0
Petroleum refineries	<1	700	6,367	28,103
Asphalt paving mixture and block manufacturing	<1	72	127	549
Asphalt shingle and coating materials manufacturing	<1	16	76	140
Petroleum lubricating oil and grease manufacturing	<1	168	754	1,449
All other petroleum and coal products manufacturing	<1	217	1,050	2,306
Petrochemical manufacturing	<1	291	1,579	8,869
Industrial gas manufacturing	<1	215	369	1,284
Synthetic dye and pigment manufacturing	<1	10	16	71
Other basic inorganic chemical manufacturing	<1	496	905	2,979
Other basic organic chemical manufacturing	<1	1,005	1,653	12,385
Plastics material and resin manufacturing	<1	1,686	2,350	15,251
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	280	640	3,875
Medicinal and botanical manufacturing	<1	13	18	57
Pharmaceutical preparation manufacturing	<1	1,920	5,004	17,281
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	65	106	504
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	151	384	1,324
Polish and other sanitation good manufacturing	<1	34	47	169
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2	7	45
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	43	66	291
Photographic film and chemical manufacturing	<1	384	718	2,893
Other miscellaneous chemical product manufacturing	<1	22	33	151
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	74	121	484
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	15	39	149
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6	11	38
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	90	143	468
Plastics bottle manufacturing	<1	20	32	132
Other plastics product manufacturing	<1	800	1,163	4,129
Tire manufacturing	<1	<1	1	11
Rubber and plastics hoses and belting manufacturing	<1	7	10	32
Other rubber product manufacturing	<1	358	498	1,561
Pottery, ceramics, and plumbing fixture manufacturing	<1	105	160	388
Brick, tile, and other structural clay product manufacturing	<1	39	75	172
Flat glass manufacturing	<1	31	72	153
Other pressed and blown glass and glassware manufacturing	<1	58	113	332
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	<1	40	75	165
Cement manufacturing	<1	31	85	181
Ready-mix concrete manufacturing	<1	748	1,404	4,585
Concrete block and brick manufacturing	<1	269	529	1,110
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	215	322	812
Lime manufacturing	<1	16	46	110
Gypsum product manufacturing	<1	48	147	355
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	57	71	180
Ground or treated mineral and earth manufacturing	<1	9	30	65
Mineral wool manufacturing	<1	175	464	956
Miscellaneous nonmetallic mineral products manufacturing	<1	8	24	55
Iron and steel mills and ferroalloy manufacturing	<1	353	595	4,219
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	6	9	74
Aluminum sheet, plate, and foil manufacturing	<1	111	201	1,049
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	17	24	179
Nonferrous metal, except copper and aluminum, shaping	<1	83	96	365
Secondary processing of other nonferrous metals	<1	39	56	347
Ferrous metal foundries	<1	25	35	90
Nonferrous metal foundries	<1	15	20	52
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	18	21	65
Iron and steel forging	<1	20	29	106

Appendix

Nonferrous forging	<1	32	41	141
Cutlery, utensil, pot, and pan manufacturing	<1	18	39	125
Handtool manufacturing	<1	5	7	20
Prefabricated metal buildings and components manufacturing	<1	44	52	182
Fabricated structural metal manufacturing	<1	195	255	1,031
Plate work manufacturing	<1	23	24	72
Metal window and door manufacturing	<1	32	39	115
Sheet metal work manufacturing	<1	66	80	231
Ornamental and architectural metal work manufacturing	<1	<1	1	6
Power boiler and heat exchanger manufacturing	<1	<1	<1	4
Metal tank (heavy gauge) manufacturing	<1	<1	1	4
Metal cans manufacturing	<1	27	52	345
Metal barrels, drums and pails manufacturing	<1	1	1	5
Hardware manufacturing	<1	3	4	15
Spring and wire product manufacturing	<1	6	7	28
Machine shops	<1	548	635	1,340
Turned product and screw, nut, and bolt manufacturing	<1	37	48	144
Metal heat treating	<1	3	5	11
Metal coating and nonprecious engraving	<1	82	124	288
Electroplating, anodizing, and coloring metal	<1	41	45	101
Valve and fittings, other than plumbing, manufacturing	<1	3	4	13
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	12	21	50
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	5	8	28
Fabricated pipe and pipe fitting manufacturing	<1	48	55	157
Other fabricated metal manufacturing	<1	5	6	16
Farm machinery and equipment manufacturing	0	0	0	0

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	5	7	38
Mining machinery and equipment manufacturing	<1	30	32	124
Oil and gas field machinery and equipment manufacturing	<1	22	23	114
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	9	10	56
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	3	3	15
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3	4	20
Industrial mold manufacturing	<1	2	2	5
Special tool, die, jig, and fixture manufacturing	<1	<1	1	2
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	17	19	64
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	6	7	29
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	6	7	22
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	14	15	53
Fluid power pump and motor manufacturing	<1	12	13	80
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	4
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	2	2	5
Audio and video equipment manufacturing	<1	<1	<1	3
Printed circuit assembly (electronic assembly) manufacturing	<1	2	3	23
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	2	3	15

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	1	5
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	2	2	10
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	28	32	84
Industrial process variable instruments manufacturing	<1	27	34	117
Totalizing fluid meter and counting device manufacturing	<1	2	4	12
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	<1	<1	1
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	3	4	7
Electric lamp bulb and part manufacturing	<1	14	19	52
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	2	3	8
Motor and generator manufacturing	<1	27	32	133
Switchgear and switchboard apparatus manufacturing	<1	6	8	26

Appendix

Relay and industrial control manufacturing	<1	5	5	18
Storage battery manufacturing	<1	41	45	133
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	4	5	18
Wiring device manufacturing	<1	29	35	104
Carbon and graphite product manufacturing	<1	65	81	270
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	1	6	19
Motor vehicle body manufacturing	<1	5	10	28
Truck trailer manufacturing	<1	<1	<1	2
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	688	1,523	5,134
Motor vehicle electrical and electronic equipment manufacturing	<1	620	1,058	3,311
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	326	521	1,391
Other motor vehicle parts manufacturing	<1	184	334	1,624
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	201	508	1,202
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	843	1,435	4,064
Other aircraft parts and auxiliary equipment manufacturing	<1	36	47	114
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	37	49	118

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Railroad rolling stock manufacturing	<1	2	2	13
Ship building and repairing	0	0	0	0
Boat building	<1	60	80	327
Motorcycle, bicycle, and parts manufacturing	<1	2	5	16
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	7	13	75
Wood kitchen cabinet and countertop manufacturing	<1	241	147	582
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	7	6	23
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	3	3	12
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	6	5	14
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	1	<1	6
Mattress manufacturing	<1	1	<1	12
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	4	8	16
Surgical appliance and supplies manufacturing	<1	181	415	973
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	2	4
Dental laboratories	<1	12	12	26
Jewelry and silverware manufacturing	<1	23	41	129
Sporting and athletic goods manufacturing	<1	2	3	14
Doll, toy, and game manufacturing	<1	2	4	44
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	80	77	237
Gasket, packing, and sealing device manufacturing	<1	4	5	14

Appendix

Musical instrument manufacturing	<1	10	12	35
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2	3	16
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,774	4,153	9,632
Wholesale - Professional and commercial equipment and supplies	<1	6,231	9,981	18,668
Wholesale - Household appliances and electrical and electronic goods	<1	2,113	5,102	11,896
Wholesale - Machinery, equipment, and supplies	<1	6,189	11,801	20,956
Wholesale - Other durable goods merchant wholesalers	<1	5,171	9,200	19,769
Wholesale - Drugs and druggists' sundries	<1	6,913	20,191	36,017
Wholesale - Grocery and related product wholesalers	<1	5,839	7,958	16,523
Wholesale - Petroleum and petroleum products	<1	1,353	23,791	27,164
Wholesale - Other nondurable goods merchant wholesalers	<1	8,413	19,198	36,547
Wholesale - Wholesale electronic markets and agents and brokers	<1	8,223	8,567	10,265
Retail - Motor vehicle and parts dealers	<1	9,838	16,976	25,598
Retail - Furniture and home furnishings stores	<1	3,581	4,753	8,188
Retail - Electronics and appliance stores	<1	4,906	4,905	8,675
Retail - Building material and garden equipment and supplies stores	<1	5,867	11,516	17,150
Retail - Food and beverage stores	<1	14,380	20,422	34,515
Retail - Health and personal care stores	<1	12,864	16,258	24,515
Retail - Gasoline stores	<1	5,503	10,012	19,044
Retail - Clothing and clothing accessories stores	<1	4,762	8,303	18,012
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,818	5,260	9,418
Retail - General merchandise stores	<1	17,331	26,830	43,837

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Retail - Miscellaneous store retailers	<1	6,558	8,619	15,752
Retail - Nonstore retailers	<1	4,683	20,795	53,928
Air transportation	<1	525	1,409	3,997
Rail transportation	<1	2,586	5,898	10,793
Water transportation	<1	1,832	2,250	10,529
Truck transportation	<1	21,334	24,338	47,410
Transit and ground passenger transportation	<1	1,375	1,729	2,819
Pipeline transportation	<1	3,506	6,645	8,306
Scenic and sightseeing transportation and support activities for transportation	<1	22,972	25,953	51,828
Couriers and messengers	<1	6,524	9,034	15,048
Warehousing and storage	<1	7,320	7,883	17,731
Newspaper publishers	<1	4,234	6,748	9,240
Periodical publishers	<1	701	1,054	1,820
Book publishers	<1	2,052	5,537	10,457
Directory, mailing list, and other publishers	<1	2,237	5,732	9,535
Greeting card publishing	0	0	0	0
Software publishers	<1	1,176	2,315	2,733
Motion picture and video industries	<1	1,291	2,502	8,556
Sound recording industries	<1	26	156	821
Radio and television broadcasting	<1	13,253	16,142	44,714
Cable and other subscription programming	<1	1,947	9,003	21,626
Wired telecommunications carriers	<1	10,404	22,799	41,633
Wireless telecommunications carriers (except satellite)	<1	544	4,163	13,521
Satellite, telecommunications resellers, and all other telecommunications	<1	1,110	1,594	4,243
Data processing, hosting, and related services	<1	6,811	12,524	36,643
News syndicates, libraries, archives and all other information services	<1	274	396	1,142
Internet publishing and broadcasting and web search portals	<1	1,090	1,971	10,317
Nondepository credit intermediation and related activities	<1	4,501	5,810	10,690
Securities and commodity contracts intermediation and brokerage	<1	11,792	11,989	22,806

Appendix

Monetary authorities and depository credit intermediation	<1	44,223	99,144	210,219
Other financial investment activities	<1	4,900	7,310	18,997
Direct life insurance carriers	<1	1,275	2,894	4,210
Insurance carriers, except direct life	<1	12,804	50,479	106,934
Insurance agencies, brokerages, and related activities	<1	14,839	24,796	65,093
Funds, trusts, and other financial vehicles	<1	4,301	5,864	27,359
Other real estate	3	60,826	255,939	571,687
Tenant-occupied housing	<1	3,612	51,982	59,703
Owner-occupied dwellings	0	0	233,521	296,445
Automotive equipment rental and leasing	<1	2,831	8,106	11,360
General and consumer goods rental except video tapes and discs	<1	3,847	4,719	8,090
Video tape and disc rental	<1	759	1,383	2,181
Commercial and industrial machinery and equipment rental and leasing	<1	4,497	12,782	16,764
Lessors of nonfinancial intangible assets	<1	297	7,775	8,914
Legal services	1	100,718	218,305	281,680
Accounting, tax preparation, bookkeeping, and payroll services	<1	23,561	20,797	35,861
Architectural, engineering, and related services	<1	46,132	45,314	82,477
Specialized design services	<1	349	315	675
Custom computer programming services	<1	5,481	5,502	7,857
Computer systems design services	<1	15,807	12,442	16,447
Other computer related services, including facilities management	<1	1,608	1,422	3,606
Management consulting services	<1	85,647	86,317	138,357
Environmental and other technical consulting services	<1	19,149	19,188	27,715
Scientific research and development services	26	2,039,042	2,953,227	5,812,757
Advertising, public relations, and related services	<1	10,326	10,041	24,790
Photographic services	<1	536	565	2,021
Veterinary services	<1	3,524	3,260	5,430
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	43,721	33,729	83,765

Appendix

Management of companies and enterprises	1	109,879	126,311	223,536
Office administrative services	<1	39,617	17,804	39,534
Facilities support services	<1	1,561	2,353	4,241
Employment services	2	90,583	137,333	191,364
Business support services	<1	17,086	14,808	27,275
Travel arrangement and reservation services	<1	2,933	3,920	10,605
Investigation and security services	<1	9,314	9,267	13,764
Services to buildings	<1	10,935	15,679	28,495
Landscape and horticultural services	<1	10,820	13,545	22,924
Other support services	<1	4,006	5,302	11,279
Waste management and remediation services	<1	8,393	13,499	26,359
Elementary and secondary schools	<1	4,388	3,871	4,824
Junior colleges, colleges, universities, and professional schools	<1	9,230	12,854	18,687
Other educational services	<1	3,934	4,724	9,521
Offices of physicians	<1	90,929	95,494	135,545
Offices of dentists	<1	12,855	16,043	23,237
Offices of other health practitioners	<1	14,397	20,731	28,280
Outpatient care centers	<1	18,493	17,025	32,992
Medical and diagnostic laboratories	<1	3,621	5,169	7,582
Home health care services	<1	20,576	19,735	25,656
Other ambulatory health care services	<1	5,556	6,208	10,435
Hospitals	2	170,780	189,620	380,317
Nursing and community care facilities	<1	22,454	23,491	39,484
Residential mental retardation, mental health, substance abuse and other facilities	<1	10,506	10,824	17,451
Individual and family services	<1	22,940	20,152	31,368
Child day care services	<1	5,622	8,502	11,750
Community food, housing, and other relief services, including rehabilitation services	<1	6,085	6,077	14,622
Performing arts companies	<1	1,400	2,526	5,239
Commercial Sports Except Racing	<1	2,247	2,691	5,588
Racing and Track Operation	<1	171	361	594
Independent artists, writers, and performers	<1	296	1,499	2,520

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Promoters of performing arts and sports and agents for public figures	<1	1,313	3,391	7,880
Museums, historical sites, zoos, and parks	<1	498	823	1,457
Amusement parks and arcades	<1	153	243	440
Gambling industries (except casino hotels)	<1	3,045	7,695	13,978
Other amusement and recreation industries	<1	2,227	2,385	4,886
Fitness and recreational sports centers	<1	1,356	1,748	3,701
Bowling centers	<1	308	464	899
Hotels and motels, including casino hotels	<1	1,548	3,170	5,067
Other accommodations	<1	277	397	564
Full-service restaurants	1	28,986	43,711	79,304
Limited-service restaurants	1	23,698	39,195	86,483
All other food and drinking places	<1	20,750	32,296	48,332
Automotive repair and maintenance, except car washes	<1	14,112	17,857	26,768
Car washes	<1	6,365	10,730	16,378
Electronic and precision equipment repair and maintenance	<1	3,493	4,393	7,883
Commercial and industrial machinery and equipment repair and maintenance	<1	11,753	9,288	15,370
Personal and household goods repair and maintenance	<1	1,884	3,471	5,342
Personal care services	<1	6,179	5,410	7,485
Death care services	<1	2,135	1,201	1,909
Dry-cleaning and laundry services	<1	4,769	2,494	3,666
Other personal services	<1	3,507	4,424	6,435
Religious organizations	<1	20,505	9,687	42,695
Grantmaking, giving, and social advocacy organizations	<1	5,507	17,314	30,220
Business and professional associations	<1	3,783	6,473	11,757
Labor and civic organizations	<1	5,027	14,129	28,325
Private households	<1	2,957	2,957	2,957
Postal service	<1	11,625	11,629	12,447
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	236	478	1,050
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	1,904	2,648	4,587
Local government passenger transit	<1	4,964	4,185	9,129
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	12,653	34,721	63,466
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	1,601	5,752	13,158

Investments in Climate Change Research and Technology

Table 774: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, West Virginia

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>53</i>	<i>3,152,849</i>	<i>4,862,279</i>	<i>9,661,438</i>
Oilseed farming	<1	-150	329	410
Grain farming	<1	-121	188	1,227
Vegetable and melon farming	<1	-104	207	470
Fruit farming	<1	-380	605	986
Tree nut farming	<1	-9	16	24
Greenhouse, nursery, and floriculture production	<1	49	319	641
Tobacco farming	<1	<1	<1	1
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	-53	665	2,045
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	-348	2,112	5,450

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Dairy cattle and milk production	<1	-7	24	139
Poultry and egg production	<1	-22	842	7,228
Animal production, except cattle and poultry and eggs	<1	-1,445	4,186	5,563
Forestry, forest products, and timber tract production	<1	83	94	121
Commercial logging	<1	779	610	925
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	6	-105	73
Support activities for agriculture and forestry	<1	3,922	2,881	3,983
Oil and gas extraction	<1	3,354	21,283	42,869
Coal mining	<1	9,440	27,561	44,072
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	<1	12	34	125
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	341	1,257	2,261
Sand and gravel mining	<1	236	540	913
Other clay, ceramic, refractory minerals mining	<1	15	32	51
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	46	98	182
Drilling oil and gas wells	<1	3	6	13
Support activities for oil and gas operations	<1	137	236	479
Metal mining services	<1	48	353	769
Other nonmetallic minerals services	<1	38	128	320
Electric power generation - Hydroelectric	<1	190	462	933
Electric power generation - Fossil fuel	<1	3,683	12,523	37,923
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	29	205	497
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	5,343	16,730	50,790
Natural gas distribution	<1	2,453	6,038	16,346
Water, sewage and other systems	<1	1,211	2,202	4,227
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	9,928	16,516	35,879
Maintenance and repair construction of residential structures	<1	3,581	5,729	12,741
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	7	12	27
Dog and cat food manufacturing	<1	27	33	338
Other animal food manufacturing	<1	38	82	600
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	0	0	0	0
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	0	0	0	0
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	<1	1	2	41
Nonchocolate confectionery manufacturing	<1	2	2	19
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	12
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	<1	7	7	60
Canned fruits and vegetables manufacturing	<1	4	4	48
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	<1	91	93	1,043
Creamery butter manufacturing	<1	36	53	1,144
Ice cream and frozen dessert manufacturing	<1	12	12	87
Frozen cakes and other pastries manufacturing	<1	75	112	224
Poultry processing	<1	1,745	1,768	11,040
Animal, except poultry, slaughtering	<1	35	39	609
Meat processed from carcasses	<1	81	76	914
Rendering and meat byproduct processing	<1	15	12	89
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	276	340	1,075
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	<1	14	16	115
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	31	39	244
Other snack food manufacturing	<1	29	39	265
Coffee and tea manufacturing	<1	1	1	15
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	<1	3	3	35
Spice and extract manufacturing	<1	2	2	24
All other food manufacturing	0	0	0	0

Appendix

Bottled and canned soft drinks & water	<1	78	84	804
Manufactured ice	<1	19	3	64
Breweries	<1	28	30	283
Wineries	<1	16	17	90
Distilleries	<1	24	27	195
Tobacco product manufacturing	<1	618	1,816	12,741
Fiber, yarn, and thread mills	<1	9	12	86
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	10	17	87
Knit fabric mills	0	0	0	0
Textile and fabric finishing mills	<1	<1	<1	4
Fabric coating mills	0	0	0	0
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	1	5
Textile bag and canvas mills	<1	4	5	25
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	6	7	40
Hosiery and sock mills	<1	<1	<1	3
Other apparel knitting mills	<1	<1	1	3
Cut and sew apparel contractors	<1	4	5	15
Mens and boys cut and sew apparel manufacturing	<1	2	5	13
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	2
Other cut and sew apparel manufacturing	<1	2	7	19
Apparel accessories and other apparel manufacturing	<1	<1	<1	3
Leather and hide tanning and finishing	0	0	0	0
Footwear manufacturing	0	0	0	0
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	586	749	3,452
Wood preservation	<1	56	106	465
Veneer and plywood manufacturing	<1	102	133	441
Engineered wood member and truss manufacturing	<1	94	115	345
Reconstituted wood product manufacturing	<1	194	330	1,179
Wood windows and door manufacturing	<1	297	356	1,040

Appendix

Cut stock, resawing lumber, and planing	<1	54	75	252
Other millwork, including flooring	<1	505	657	2,146
Wood container and pallet manufacturing	<1	58	69	252
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	27	32	124
All other miscellaneous wood product manufacturing	<1	154	190	750
Pulp mills	<1	31	35	228
Paper mills	0	0	0	0
Paperboard mills	<1	62	83	559
Paperboard container manufacturing	<1	25	29	169
Paper bag and coated and treated paper manufacturing	<1	81	99	485
Stationery product manufacturing	<1	22	26	130
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	1,885	2,529	7,371
Support activities for printing	0	0	0	0
Petroleum refineries	<1	785	6,834	30,478
Asphalt paving mixture and block manufacturing	<1	68	118	540
Asphalt shingle and coating materials manufacturing	<1	17	75	141
Petroleum lubricating oil and grease manufacturing	<1	138	616	1,247
All other petroleum and coal products manufacturing	<1	374	2,066	4,588
Petrochemical manufacturing	<1	1,156	6,753	40,773
Industrial gas manufacturing	<1	297	494	1,731
Synthetic dye and pigment manufacturing	<1	8	13	50
Other basic inorganic chemical manufacturing	<1	565	908	3,124
Other basic organic chemical manufacturing	<1	1,556	2,508	16,674
Plastics material and resin manufacturing	<1	2,366	3,141	18,356
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	0	0	0	0
Phosphatic fertilizer manufacturing	0	0	0	0
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	414	922	5,352
Medicinal and botanical manufacturing	<1	7	9	31
Pharmaceutical preparation manufacturing	<1	1,033	2,504	9,453
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	0	0	0	0
Paint and coating manufacturing	<1	47	71	341
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	<1	91	204	921
Polish and other sanitation good manufacturing	<1	20	26	105
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	2	4	27
Printing ink manufacturing	0	0	0	0
Explosives manufacturing	0	0	0	0
Custom compounding of purchased resins	<1	30	42	203
Photographic film and chemical manufacturing	<1	311	557	2,355
Other miscellaneous chemical product manufacturing	<1	21	29	129
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	53	89	365
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	11	31	114
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	6	10	35
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	<1	79	127	424
Plastics bottle manufacturing	<1	13	20	89
Other plastics product manufacturing	<1	605	878	3,312

Appendix

Tire manufacturing	<1	1	2	13
Rubber and plastics hoses and belting manufacturing	<1	7	10	33
Other rubber product manufacturing	<1	257	363	1,083
Pottery, ceramics, and plumbing fixture manufacturing	<1	85	135	311
Brick, tile, and other structural clay product manufacturing	<1	37	74	160
Flat glass manufacturing	<1	25	63	129
Other pressed and blown glass and glassware manufacturing	<1	46	94	271
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	<1	36	71	150
Cement manufacturing	<1	28	84	172
Ready-mix concrete manufacturing	<1	703	1,373	4,404
Concrete block and brick manufacturing	<1	200	426	846
Concrete pipe manufacturing	0	0	0	0
Other concrete product manufacturing	<1	224	350	850
Lime manufacturing	<1	28	78	182
Gypsum product manufacturing	<1	36	122	278
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	57	71	181
Ground or treated mineral and earth manufacturing	<1	11	35	75
Mineral wool manufacturing	<1	111	310	646
Miscellaneous nonmetallic mineral products manufacturing	<1	5	20	46
Iron and steel mills and ferroalloy manufacturing	<1	240	474	2,829
Iron, steel pipe and tube manufacturing from purchased steel	0	0	0	0
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	6	10	80
Aluminum sheet, plate, and foil manufacturing	<1	91	187	814
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	15	23	178
Nonferrous metal, except copper and aluminum, shaping	<1	49	60	212
Secondary processing of other nonferrous metals	<1	21	45	224
Ferrous metal foundries	<1	20	32	74
Nonferrous metal foundries	<1	8	12	29
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	<1	10	12	38
Iron and steel forging	<1	9	13	50
Nonferrous forging	<1	12	16	58
Cutlery, utensil, pot, and pan manufacturing	<1	10	22	74
Handtool manufacturing	<1	2	3	10
Prefabricated metal buildings and components manufacturing	<1	31	41	134
Fabricated structural metal manufacturing	<1	179	245	989
Plate work manufacturing	<1	25	26	79
Metal window and door manufacturing	<1	22	27	82
Sheet metal work manufacturing	<1	52	64	191
Ornamental and architectural metal work manufacturing	<1	<1	<1	5
Power boiler and heat exchanger manufacturing	<1	<1	<1	2
Metal tank (heavy gauge) manufacturing	<1	<1	<1	3
Metal cans manufacturing	<1	18	35	238
Metal barrels, drums and pails manufacturing	<1	<1	<1	4
Hardware manufacturing	<1	2	3	11
Spring and wire product manufacturing	<1	2	2	9
Machine shops	<1	353	413	897
Turned product and screw, nut, and bolt manufacturing	<1	19	26	79
Metal heat treating	<1	2	3	8
Metal coating and nonprecious engraving	<1	59	92	211
Electroplating, anodizing, and coloring metal	<1	25	27	61
Valve and fittings, other than plumbing, manufacturing	<1	2	3	10

Appendix

Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	10	17	45
Ammunition, except for small arms, manufacturing	0	0	0	0
Small arms, ordnance, and accessories manufacturing	<1	3	5	21
Fabricated pipe and pipe fitting manufacturing	<1	53	63	172
Other fabricated metal manufacturing	<1	3	4	12
Farm machinery and equipment manufacturing	0	0	0	0
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	8	9	61
Mining machinery and equipment manufacturing	<1	57	59	233
Oil and gas field machinery and equipment manufacturing	<1	50	52	234
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	6	7	39
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	<1	2	2	10
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	3	3	17
Industrial mold manufacturing	<1	1	1	3
Special tool, die, jig, and fixture manufacturing	<1	<1	<1	1

Appendix

Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	0	0	0	0
Speed changer, industrial high-speed drive, and gear manufacturing	<1	13	13	54
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	4	4	19
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	6	6	20
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	0	0	0	0
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	<1	<1	<1	<1
Fluid power cylinder and actuator manufacturing	<1	8	8	28
Fluid power pump and motor manufacturing	<1	2	2	13
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	2
Electronic computer manufacturing	0	0	0	0
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	0	0	0	0
Telephone apparatus manufacturing	0	0	0	0

Appendix

Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	<1	1	1	3
Audio and video equipment manufacturing	<1	<1	<1	1
Printed circuit assembly (electronic assembly) manufacturing	<1	<1	1	9
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	<1	<1	<1	5
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	<1	<1	2
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	<1	<1	<1	4
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	0	0	0	0
Automatic environmental control manufacturing	<1	10	11	30
Industrial process variable instruments manufacturing	<1	15	19	67
Totalizing fluid meter and counting device manufacturing	<1	3	5	14
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	0	0	0	0
Irradiation apparatus manufacturing	<1	<1	<1	<1
Watch, clock, and other measuring and controlling device manufacturing	0	0	0	0
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	2	3	5
Electric lamp bulb and part manufacturing	<1	8	10	31
Lighting fixture manufacturing	0	0	0	0
Small electrical appliance manufacturing	0	0	0	0

Appendix

Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	1	2	6
Motor and generator manufacturing	<1	27	31	130
Switchgear and switchboard apparatus manufacturing	<1	4	5	18
Relay and industrial control manufacturing	<1	3	3	10
Storage battery manufacturing	<1	23	26	81
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3	3	12
Wiring device manufacturing	<1	10	12	40
Carbon and graphite product manufacturing	<1	50	58	196
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	2	8	26
Motor vehicle body manufacturing	<1	7	13	35
Truck trailer manufacturing	<1	<1	1	3
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	541	1,325	4,134
Motor vehicle electrical and electronic equipment manufacturing	<1	628	1,202	4,208
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	<1	449	753	2,102
Other motor vehicle parts manufacturing	<1	182	404	1,648

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	158	424	1,026
Aircraft manufacturing	0	0	0	0
Aircraft engine and engine parts manufacturing	<1	18	35	102
Other aircraft parts and auxiliary equipment manufacturing	<1	3	4	11
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	<1	5	7	18
Railroad rolling stock manufacturing	<1	2	2	13
Ship building and repairing	0	0	0	0
Boat building	<1	76	100	421
Motorcycle, bicycle, and parts manufacturing	<1	<1	2	9
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	<1	5	9	56
Wood kitchen cabinet and countertop manufacturing	<1	225	157	604
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	5	5	18
Other household nonupholstered furniture manufacturing	0	0	0	0
Institutional furniture manufacturing	<1	5	5	20
Wood office furniture manufacturing	0	0	0	0
Custom architectural woodwork and millwork	<1	4	3	11
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	<1	<1	<1	5
Mattress manufacturing	<1	<1	<1	10
Blind and shade manufacturing	0	0	0	0
Surgical and medical instrument manufacturing	<1	3	5	12
Surgical appliance and supplies manufacturing	<1	105	230	588
Dental equipment and supplies manufacturing	0	0	0	0

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Ophthalmic goods manufacturing	<1	<1	1	3
Dental laboratories	<1	8	8	16
Jewelry and silverware manufacturing	<1	21	37	117
Sporting and athletic goods manufacturing	<1	2	2	12
Doll, toy, and game manufacturing	<1	1	3	29
Office supplies (except paper) manufacturing	0	0	0	0
Sign manufacturing	<1	93	85	273
Gasket, packing, and sealing device manufacturing	<1	3	4	14
Musical instrument manufacturing	<1	4	4	14
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	0	0	0	0
All other miscellaneous manufacturing	<1	2	3	13
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,412	3,332	7,692
Wholesale - Professional and commercial equipment and supplies	<1	4,544	7,317	13,893
Wholesale - Household appliances and electrical and electronic goods	<1	1,594	3,975	9,338
Wholesale - Machinery, equipment, and supplies	<1	5,287	10,316	18,270
Wholesale - Other durable goods merchant wholesalers	<1	4,172	7,460	16,142
Wholesale - Drugs and druggists' sundries	<1	5,558	16,742	30,436
Wholesale - Grocery and related product wholesalers	<1	5,044	6,944	14,543
Wholesale - Petroleum and petroleum products	<1	1,684	20,292	23,941
Wholesale - Other nondurable goods merchant wholesalers	<1	6,748	14,651	28,924
Wholesale - Wholesale electronic markets and agents and brokers	<1	7,262	7,567	9,117
Retail - Motor vehicle and parts dealers	<1	8,898	15,337	23,368
Retail - Furniture and home furnishings stores	<1	3,073	4,078	7,175
Retail - Electronics and appliance stores	<1	4,327	4,228	7,704

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Retail - Building material and garden equipment and supplies stores	<1	4,987	9,814	14,755
Retail - Food and beverage stores	<1	11,372	16,362	28,375
Retail - Health and personal care stores	<1	11,493	14,457	21,938
Retail - Gasoline stores	<1	4,617	8,960	18,102
Retail - Clothing and clothing accessories stores	<1	3,957	7,034	15,926
Retail - Sporting goods, hobby, musical instrument and book stores	<1	3,301	4,554	8,398
Retail - General merchandise stores	<1	16,449	25,247	41,474
Retail - Miscellaneous store retailers	<1	5,368	7,134	13,660
Retail - Nonstore retailers	<1	3,912	16,373	44,006
Air transportation	<1	421	1,054	3,111
Rail transportation	<1	2,274	6,238	10,515
Water transportation	<1	1,255	1,523	7,572
Truck transportation	<1	18,064	21,066	42,071
Transit and ground passenger transportation	<1	707	869	1,551
Pipeline transportation	<1	6,242	8,843	11,015
Scenic and sightseeing transportation and support activities for transportation	<1	19,823	22,293	43,908
Couriers and messengers	<1	5,148	7,068	11,953
Warehousing and storage	<1	6,194	6,664	15,300
Newspaper publishers	<1	3,801	5,967	8,358
Periodical publishers	<1	415	614	1,146
Book publishers	<1	1,725	4,670	9,016
Directory, mailing list, and other publishers	<1	2,335	5,621	9,452
Greeting card publishing	0	0	0	0
Software publishers	<1	897	1,720	2,054
Motion picture and video industries	<1	793	1,504	6,351
Sound recording industries	<1	16	88	522
Radio and television broadcasting	<1	6,924	9,206	37,165
Cable and other subscription programming	<1	583	4,239	13,131
Wired telecommunications carriers	<1	8,567	19,430	36,580
Wireless telecommunications carriers (except satellite)	<1	437	3,181	10,879

Appendix

Satellite, telecommunications resellers, and all other telecommunications	<1	778	1,181	3,442
Data processing, hosting, and related services	<1	4,496	8,356	29,473
News syndicates, libraries, archives and all other information services	<1	171	238	765
Internet publishing and broadcasting and web search portals	<1	581	1,068	8,751
Nondepository credit intermediation and related activities	<1	3,407	4,304	8,491
Securities and commodity contracts intermediation and brokerage	<1	8,505	8,991	20,465
Monetary authorities and depository credit intermediation	<1	42,147	88,007	196,905
Other financial investment activities	<1	2,778	4,313	13,725
Direct life insurance carriers	<1	1,263	2,708	4,199
Insurance carriers, except direct life	<1	11,145	40,362	93,558
Insurance agencies, brokerages, and related activities	<1	13,549	22,070	60,696
Funds, trusts, and other financial vehicles	<1	3,204	4,215	23,551
Other real estate	2	41,090	179,646	448,648
Tenant-occupied housing	<1	2,844	37,516	44,660
Owner-occupied dwellings	0	0	175,094	222,274
Automotive equipment rental and leasing	<1	1,588	6,090	9,099
General and consumer goods rental except video tapes and discs	<1	2,729	3,706	6,840
Video tape and disc rental	<1	648	1,211	1,923
Commercial and industrial machinery and equipment rental and leasing	<1	2,978	10,488	14,236
Lessors of nonfinancial intangible assets	<1	242	5,749	6,623
Legal services	1	86,868	183,728	242,799
Accounting, tax preparation, bookkeeping, and payroll services	<1	18,562	15,551	28,097
Architectural, engineering, and related services	<1	48,350	45,960	86,128
Specialized design services	<1	252	209	486
Custom computer programming services	<1	4,215	4,293	6,394

Appendix

Computer systems design services	<1	12,562	9,802	13,284
Other computer related services, including facilities management	<1	1,015	902	2,392
Management consulting services	<1	59,101	59,165	99,126
Environmental and other technical consulting services	<1	14,004	13,867	20,510
Scientific research and development services	22	1,506,668	2,261,341	4,591,122
Advertising, public relations, and related services	<1	7,797	7,296	19,524
Photographic services	<1	472	436	1,729
Veterinary services	<1	2,941	2,599	4,509
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	35,540	25,812	70,321
Management of companies and enterprises	<1	82,574	94,382	173,857
Office administrative services	<1	23,544	9,880	24,640
Facilities support services	<1	1,239	1,885	3,768
Employment services	2	73,981	109,456	164,143
Business support services	<1	15,999	13,548	26,938
Travel arrangement and reservation services	<1	2,373	3,162	8,795
Investigation and security services	<1	7,416	7,316	11,509
Services to buildings	<1	8,517	11,994	23,424
Landscape and horticultural services	<1	8,303	10,309	18,230
Other support services	<1	3,079	4,050	9,130
Waste management and remediation services	<1	6,936	11,155	22,275
Elementary and secondary schools	<1	2,748	2,446	3,108
Junior colleges, colleges, universities, and professional schools	<1	4,831	6,768	10,420
Other educational services	<1	2,757	3,283	6,902
Offices of physicians	<1	78,673	81,957	116,902
Offices of dentists	<1	10,712	13,017	19,168
Offices of other health practitioners	<1	12,636	17,477	24,136
Outpatient care centers	<1	14,430	13,137	25,352
Medical and diagnostic laboratories	<1	2,969	4,078	6,175
Home health care services	<1	17,977	17,105	22,317
Other ambulatory health care services	<1	4,605	5,068	8,646

Appendix

Hospitals	2	118,980	133,355	271,786
Nursing and community care facilities	<1	17,475	18,251	31,904
Residential mental retardation, mental health, substance abuse and other facilities	<1	6,953	7,144	11,855
Individual and family services	<1	16,071	13,777	21,987
Child day care services	<1	4,286	6,195	8,927
Community food, housing, and other relief services, including rehabilitation services	<1	3,934	3,902	9,791
Performing arts companies	<1	866	1,622	3,779
Commercial Sports Except Racing	<1	1,603	2,052	4,403
Racing and Track Operation	<1	121	267	510
Independent artists, writers, and performers	<1	169	1,009	1,754
Promoters of performing arts and sports and agents for public figures	<1	845	2,324	5,935
Museums, historical sites, zoos, and parks	<1	375	625	1,147
Amusement parks and arcades	<1	103	195	359
Gambling industries (except casino hotels)	<1	2,211	5,608	10,614
Other amusement and recreation industries	<1	1,760	1,968	4,226
Fitness and recreational sports centers	<1	943	1,287	2,850
Bowling centers	<1	249	390	785
Hotels and motels, including casino hotels	<1	956	2,028	3,323
Other accommodations	<1	153	221	322
Full-service restaurants	1	23,859	35,161	66,542
Limited-service restaurants	1	19,375	31,441	73,563
All other food and drinking places	<1	15,562	24,181	37,586
Automotive repair and maintenance, except car washes	<1	10,793	14,726	22,133
Car washes	<1	5,101	8,698	13,441
Electronic and precision equipment repair and maintenance	<1	2,699	3,335	6,267
Commercial and industrial machinery and equipment repair and maintenance	<1	10,125	8,154	14,001
Personal and household goods repair and maintenance	<1	1,444	2,836	4,423
Personal care services	<1	4,596	4,280	5,921
Death care services	<1	1,437	1,049	1,573

Appendix

Dry-cleaning and laundry services	<1	3,344	2,288	3,167
Other personal services	<1	2,747	3,538	5,243
Religious organizations	<1	14,537	9,014	33,194
Grantmaking, giving, and social advocacy organizations	<1	3,274	11,542	19,993
Business and professional associations	<1	2,791	5,180	9,568
Labor and civic organizations	<1	3,230	10,082	19,625
Private households	<1	2,198	2,198	2,198
Postal service	<1	9,507	9,509	10,199
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	195	313	784
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	4,263	6,302	12,072
Local government passenger transit	<1	3,909	2,501	12,496
Local government electric utilities	0	0	0	0
Other local government enterprises	<1	10,611	32,848	60,243
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	212,639	213,852	489,236

Wisconsin

NASA

Table 775: Detailed NASA Impacts by Types of Impact, Wisconsin

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	268	17,863,840	28,202,360	54,928,342
Oilseed farming	<1	-204	29,952	44,770
Grain farming	<1	9,316	28,295	104,721
Vegetable and melon farming	<1	6,550	14,865	22,418
Fruit farming	<1	2,576	6,410	7,167
Tree nut farming	<1	18	46	49
Greenhouse, nursery, and floriculture production	<1	3,890	5,964	8,286
Tobacco farming	<1	244	288	374
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	2,668	4,028	6,035
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	767	14,550	55,122
Dairy cattle and milk production	<1	3,791	13,179	69,111
Poultry and egg production	<1	1,069	1,825	12,957
Animal production, except cattle and poultry and eggs	<1	3,756	23,546	32,833
Forestry, forest products, and timber tract production	<1	562	597	728
Commercial logging	<1	5,620	4,986	7,553
Commercial fishing	<1	54	300	509
Commercial hunting and trapping	<1	107	-793	636
Support activities for agriculture and forestry	<1	25,650	19,682	24,694
Oil and gas extraction	<1	228	273	22,884
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	1,383	9,524	13,476
Sand and gravel mining	<1	1,852	6,754	10,061

Appendix

Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	42	140	206
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	1	2	13
Metal mining services	<1	2	3	273
Other nonmetallic minerals services	<1	<1	1	20
Electric power generation - Hydroelectric	<1	533	1,808	4,410
Electric power generation - Fossil fuel	<1	21,809	79,483	200,659
Electric power generation - Nuclear	<1	7,635	15,644	31,086
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	47	383	697
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	599	2,503	6,727
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	43,152	143,572	326,559
Natural gas distribution	<1	9,135	25,054	51,769
Water, sewage and other systems	<1	2,548	4,970	8,007
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	<1	8,382	9,283	18,779
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	1	68,634	96,552	215,972
Maintenance and repair construction of residential structures	<1	22,693	31,627	71,465
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	36	51	114
Dog and cat food manufacturing	<1	2,635	8,189	28,984
Other animal food manufacturing	<1	3,520	5,986	44,765
Flour milling	<1	755	1,471	8,143
Rice milling	0	0	0	0
Malt manufacturing	<1	1,650	3,098	17,385
Wet corn milling	<1	1,063	2,800	14,027
Soybean and other oilseed processing	<1	234	1,336	11,170
Fats and oils refining and blending	<1	9	20	215
Breakfast cereal manufacturing	<1	188	483	1,565
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	963	1,515	4,732
Chocolate and confectionery manufacturing from cacao beans	<1	1,328	2,063	7,507
Confectionery manufacturing from purchased chocolate	<1	1,156	1,631	6,806
Frozen fruits, juices and vegetables manufacturing	<1	2,872	6,013	21,486
Frozen specialties manufacturing	<1	6,514	9,324	32,305
Canned fruits and vegetables manufacturing	<1	5,331	11,236	37,352
Canned specialties	<1	1,542	3,946	13,723
Dehydrated food products manufacturing	<1	182	346	1,369
Cheese manufacturing	<1	23,536	34,904	301,048
Dry, condensed, and evaporated dairy product manufacturing	<1	3,537	8,866	50,459
Fluid milk manufacturing	<1	1,249	2,057	12,326
Creamery butter manufacturing	<1	601	2,880	14,283
Ice cream and frozen dessert manufacturing	<1	438	622	2,823
Frozen cakes and other pastries manufacturing	<1	1,787	2,376	4,823

Appendix

Poultry processing	<1	9,228	11,679	42,224
Animal, except poultry, slaughtering	<1	8,241	10,378	75,842
Meat processed from carcasses	<1	15,841	15,040	101,199
Rendering and meat byproduct processing	<1	369	362	1,625
Seafood product preparation and packaging	<1	302	390	2,280
Bread and bakery product, except frozen, manufacturing	<1	8,502	12,143	29,314
Cookie and cracker manufacturing	<1	1,942	2,897	10,180
Dry pasta, mixes, and dough manufacturing	<1	794	1,842	7,135
Tortilla manufacturing	<1	340	429	1,559
Roasted nuts and peanut butter manufacturing	<1	1,019	2,234	6,870
Other snack food manufacturing	<1	2,387	5,625	18,702
Coffee and tea manufacturing	<1	1,130	2,185	11,718
Flavoring syrup and concentrate manufacturing	<1	110	882	2,169
Mayonnaise, dressing, and sauce manufacturing	<1	857	1,724	6,329
Spice and extract manufacturing	<1	1,893	3,228	13,586
All other food manufacturing	<1	3,940	5,956	23,681
Bottled and canned soft drinks & water	<1	2,223	4,022	19,327
Manufactured ice	<1	305	188	962
Breweries	<1	5,313	12,426	33,101
Wineries	<1	838	1,506	7,915
Distilleries	<1	291	1,948	5,349
Tobacco product manufacturing	<1	54	1,639	3,099
Fiber, yarn, and thread mills	<1	201	273	1,293
Broadwoven fabric mills	<1	265	370	1,223
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	2,485	3,565	12,681
Knit fabric mills	<1	373	431	1,164
Textile and fabric finishing mills	<1	12	15	101
Fabric coating mills	<1	259	307	1,318
Carpet and rug mills	<1	364	529	2,468
Curtain and linen mills	<1	77	93	357
Textile bag and canvas mills	<1	490	551	1,579
Rope, cordage, twine, tire cord and tire fabric mills	<1	6	8	25
Other textile product mills	<1	1,053	1,198	3,453
Hosiery and sock mills	<1	54	55	180

Appendix

Other apparel knitting mills	<1	104	110	327
Cut and sew apparel contractors	<1	50	59	152
Mens and boys cut and sew apparel manufacturing	<1	82	88	339
Womens and girls cut and sew apparel manufacturing	<1	15	21	121
Other cut and sew apparel manufacturing	<1	95	100	458
Apparel accessories and other apparel manufacturing	<1	34	40	174
Leather and hide tanning and finishing	<1	222	211	1,096
Footwear manufacturing	<1	473	479	1,293
Other leather and allied product manufacturing	<1	27	27	71
Sawmills	<1	2,098	3,483	13,657
Wood preservation	<1	268	804	2,657
Veneer and plywood manufacturing	<1	1,031	1,734	6,340
Engineered wood member and truss manufacturing	<1	691	1,089	3,270
Reconstituted wood product manufacturing	<1	711	1,854	6,512
Wood windows and door manufacturing	<1	4,996	7,188	20,947
Cut stock, resawing lumber, and planing	<1	539	1,015	2,695
Other millwork, including flooring	<1	1,852	3,109	8,783
Wood container and pallet manufacturing	<1	3,229	4,543	12,638
Manufactured home (mobile home) manufacturing	<1	<1	<1	1
Prefabricated wood building manufacturing	<1	429	612	1,783
All other miscellaneous wood product manufacturing	<1	1,124	1,737	5,307
Pulp mills	<1	255	362	1,685
Paper mills	<1	22,120	41,843	168,688
Paperboard mills	<1	1,653	3,412	14,904
Paperboard container manufacturing	<1	12,074	17,157	72,974
Paper bag and coated and treated paper manufacturing	<1	15,551	25,561	86,554
Stationery product manufacturing	<1	955	1,351	5,735
Sanitary paper product manufacturing	<1	7,279	18,206	61,468
All other converted paper product manufacturing	<1	4,802	6,564	20,385

Appendix

Printing	1	97,289	143,307	266,770
Support activities for printing	<1	2,895	3,973	5,729
Petroleum refineries	<1	578	10,109	25,115
Asphalt paving mixture and block manufacturing	<1	199	486	1,592
Asphalt shingle and coating materials manufacturing	<1	342	2,804	4,479
Petroleum lubricating oil and grease manufacturing	<1	466	3,686	6,037
All other petroleum and coal products manufacturing	<1	458	4,194	7,538
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,672	4,037	11,716
Synthetic dye and pigment manufacturing	<1	577	1,301	3,760
Other basic inorganic chemical manufacturing	<1	1,274	3,040	8,468
Other basic organic chemical manufacturing	<1	5,189	12,031	80,611
Plastics material and resin manufacturing	<1	1,220	2,250	15,501
Synthetic rubber manufacturing	<1	174	271	764
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	107	298	907
Phosphatic fertilizer manufacturing	<1	104	237	776
Fertilizer mixing	<1	416	921	2,956
Pesticide and other agricultural chemical manufacturing	<1	1,653	5,630	23,530
Medicinal and botanical manufacturing	<1	478	893	2,619
Pharmaceutical preparation manufacturing	<1	2,575	10,384	31,266
In-vitro diagnostic substance manufacturing	<1	495	774	1,729
Biological product (except diagnostic) manufacturing	<1	2,585	6,058	12,610
Paint and coating manufacturing	<1	4,971	10,703	35,909
Adhesive manufacturing	<1	558	1,015	3,646
Soap and other detergent manufacturing	<1	329	1,142	2,990
Polish and other sanitation good manufacturing	<1	15,527	25,659	56,941
Surface active agent manufacturing	<1	678	2,572	6,350
Toilet preparation manufacturing	<1	163	638	2,183
Printing ink manufacturing	<1	986	1,090	3,694

Appendix

Explosives manufacturing	<1	70	83	248
Custom compounding of purchased resins	<1	1,433	3,029	10,264
Photographic film and chemical manufacturing	<1	597	1,556	6,240
Other miscellaneous chemical product manufacturing	<1	2,322	4,326	17,841
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	10,081	15,803	55,466
Unlaminated plastics profile shape manufacturing	<1	1,677	3,445	11,531
Plastics pipe and pipe fitting manufacturing	<1	267	670	2,323
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	465	818	2,558
Polystyrene foam product manufacturing	<1	707	1,149	4,624
Urethane and other foam product (except polystyrene) manufacturing	<1	1,058	1,637	6,382
Plastics bottle manufacturing	<1	474	731	3,307
Other plastics product manufacturing	<1	27,081	38,033	122,553
Tire manufacturing	<1	292	425	1,615
Rubber and plastics hoses and belting manufacturing	<1	410	587	1,603
Other rubber product manufacturing	<1	6,039	8,288	31,142
Pottery, ceramics, and plumbing fixture manufacturing	<1	192	388	891
Brick, tile, and other structural clay product manufacturing	<1	12	34	60
Flat glass manufacturing	<1	611	2,161	3,818
Other pressed and blown glass and glassware manufacturing	<1	40	112	275
Glass container manufacturing	<1	622	1,522	3,063
Glass product manufacturing made of purchased glass	<1	3,491	9,313	17,746
Cement manufacturing	<1	20	85	167
Ready-mix concrete manufacturing	<1	3,738	9,854	23,886
Concrete block and brick manufacturing	<1	352	1,038	1,997
Concrete pipe manufacturing	<1	149	394	853
Other concrete product manufacturing	<1	1,687	3,296	6,584
Lime manufacturing	<1	356	1,520	2,874
Gypsum product manufacturing	<1	317	1,567	2,896

Appendix

Abrasive product manufacturing	<1	1,404	6,969	9,557
Cut stone and stone product manufacturing	<1	1,091	1,574	3,043
Ground or treated mineral and earth manufacturing	<1	514	2,560	3,727
Mineral wool manufacturing	<1	514	2,147	3,936
Miscellaneous nonmetallic mineral products manufacturing	<1	125	670	1,129
Iron and steel mills and ferroalloy manufacturing	<1	623	1,421	7,235
Iron, steel pipe and tube manufacturing from purchased steel	<1	1,009	2,048	7,095
Rolled steel shape manufacturing	<1	924	2,426	7,926
Steel wire drawing	<1	325	557	2,050
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	74	161	1,480
Aluminum sheet, plate, and foil manufacturing	<1	687	1,722	8,241
Other aluminum rolling, drawing and extruding	<1	378	616	3,000
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	1,380	2,489	17,355
Nonferrous metal, except copper and aluminum, shaping	<1	236	316	1,148
Secondary processing of other nonferrous metals	<1	24	54	267
Ferrous metal foundries	<1	25,798	42,805	100,623
Nonferrous metal foundries	<1	11,540	18,599	44,631
Custom roll forming	<1	157	219	1,163
Crown and closure manufacturing and metal stamping	<1	3,992	4,606	13,893
Iron and steel forging	<1	8,293	11,213	38,388
Nonferrous forging	<1	1,495	1,872	7,227
Cutlery, utensil, pot, and pan manufacturing	<1	5,905	10,904	29,013
Handtool manufacturing	1	95,088	135,138	302,687
Prefabricated metal buildings and components manufacturing	<1	863	1,060	3,425
Fabricated structural metal manufacturing	<1	3,198	4,064	13,184
Plate work manufacturing	<1	3,455	3,660	10,573
Metal window and door manufacturing	<1	2,546	3,072	8,557
Sheet metal work manufacturing	<1	11,282	13,351	36,146

Appendix

Ornamental and architectural metal work manufacturing	<1	2,002	2,332	6,349
Power boiler and heat exchanger manufacturing	<1	128	163	490
Metal tank (heavy gauge) manufacturing	<1	842	978	3,128
Metal cans manufacturing	<1	1,260	2,199	12,200
Metal barrels, drums and pails manufacturing	<1	2,134	2,448	9,585
Hardware manufacturing	<1	1,934	2,579	8,006
Spring and wire product manufacturing	<1	1,368	1,659	4,992
Machine shops	1	69,362	78,538	170,456
Turned product and screw, nut, and bolt manufacturing	<1	7,851	9,989	30,630
Metal heat treating	<1	2,215	2,798	7,492
Metal coating and nonprecious engraving	<1	5,279	7,577	22,645
Electroplating, anodizing, and coloring metal	<1	2,980	3,239	7,879
Valve and fittings, other than plumbing, manufacturing	<1	1,589	2,153	6,975
Plumbing fixture fitting and trim manufacturing	<1	990	2,005	6,871
Ball and roller bearing manufacturing	<1	1,730	2,549	6,852
Small arms ammunition manufacturing	<1	2,541	4,166	11,221
Ammunition, except for small arms, manufacturing	<1	59	68	175
Small arms, ordnance, and accessories manufacturing	<1	714	1,080	3,052
Fabricated pipe and pipe fitting manufacturing	<1	916	1,039	2,959
Other fabricated metal manufacturing	<1	9,080	10,632	27,845
Farm machinery and equipment manufacturing	<1	670	1,127	4,344
Lawn and garden equipment manufacturing	<1	576	999	4,455
Construction machinery manufacturing	<1	360	776	2,285
Mining machinery and equipment manufacturing	<1	54	84	207
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	76	87	256

Appendix

Sawmill, woodworking, and paper machinery	<1	1,611	1,795	5,003
Printing machinery and equipment manufacturing	<1	348	384	1,019
All other industrial machinery manufacturing	<1	74	95	244
Optical instrument and lens manufacturing	<1	2	3	9
Photographic and photocopying equipment manufacturing	<1	31	41	174
Other commercial service industry machinery manufacturing	<1	777	1,256	3,909
Air purification and ventilation equipment manufacturing	<1	795	1,080	2,731
Heating equipment (except warm air furnaces) manufacturing	<1	258	385	1,236
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	2,053	3,625	10,349
Industrial mold manufacturing	<1	597	689	1,281
Special tool, die, jig, and fixture manufacturing	<1	922	1,192	2,295
Cutting tool and machine tool accessory manufacturing	<1	778	874	2,060
Machine tool manufacturing	<1	135	168	475
Rolling mill and other metalworking machinery manufacturing	<1	27	32	72
Turbine and turbine generator set units manufacturing	<1	12	16	50
Speed changer, industrial high-speed drive, and gear manufacturing	<1	4,560	6,737	18,451
Mechanical power transmission equipment manufacturing	<1	2,026	3,155	7,144
Other engine equipment manufacturing	<1	8,148	16,777	74,360
Pump and pumping equipment manufacturing	<1	285	495	1,484
Air and gas compressor manufacturing	<1	53,037	101,941	353,398
Elevator and moving stairway manufacturing	<1	50	70	271
Conveyor and conveying equipment manufacturing	<1	213	239	715
Overhead cranes, hoists, and monorail systems manufacturing	<1	19	33	109
Industrial truck, trailer, and stacker manufacturing	<1	37	59	175

Appendix

Power-driven handtool manufacturing	<1	412	1,015	2,252
Welding and soldering equipment manufacturing	<1	220	310	923
Packaging machinery manufacturing	<1	181	255	666
Industrial process furnace and oven manufacturing	<1	66	76	169
Fluid power cylinder and actuator manufacturing	<1	1,148	1,597	4,342
Fluid power pump and motor manufacturing	<1	1,220	1,910	6,318
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	507	619	1,893
Electronic computer manufacturing	<1	107	219	892
Computer storage device manufacturing	<1	125	310	1,649
Computer terminals and other computer peripheral equipment manufacturing	<1	2,709	4,646	14,607
Telephone apparatus manufacturing	<1	202	310	958
Broadcast and wireless communications equipment manufacturing	<1	35	54	175
Other communications equipment manufacturing	<1	166	270	786
Audio and video equipment manufacturing	<1	42	73	386
Printed circuit assembly (electronic assembly) manufacturing	<1	7,302	12,629	55,582
Bare printed circuit board manufacturing	<1	2,394	3,141	9,964
Semiconductor and related device manufacturing	<1	49	79	205
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	718	1,009	2,557
Electronic connector manufacturing	<1	249	374	1,032
Other electronic component manufacturing	<1	5,314	7,113	22,557
Electromedical and electrotherapeutic apparatus manufacturing	<1	114	213	455
Search, detection, and navigation instruments manufacturing	9	1,143,786	1,945,432	3,889,198
Automatic environmental control manufacturing	<1	567	754	1,856

Appendix

Industrial process variable instruments manufacturing	<1	2,074	3,220	7,578
Totalizing fluid meter and counting device manufacturing	<1	285	598	1,466
Electricity and signal testing instruments manufacturing	<1	327	526	2,579
Analytical laboratory instrument manufacturing	2	178,518	301,900	669,809
Irradiation apparatus manufacturing	<1	2,408	4,643	9,656
Watch, clock, and other measuring and controlling device manufacturing	<1	242	442	1,100
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	258	374	1,155
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	2,046	3,188	8,063
Small electrical appliance manufacturing	<1	1,379	3,305	9,473
Household cooking appliance manufacturing	<1	879	2,123	6,003
Household refrigerator and home freezer manufacturing	<1	939	2,362	6,420
Household laundry equipment manufacturing	<1	2,212	4,183	15,047
Other major household appliance manufacturing	<1	350	944	2,392
Power, distribution, and specialty transformer manufacturing	<1	318	501	1,155
Motor and generator manufacturing	<1	11,219	20,712	55,395
Switchgear and switchboard apparatus manufacturing	<1	1,272	2,319	5,845
Relay and industrial control manufacturing	<1	49,737	70,720	138,079
Storage battery manufacturing	<1	739	1,105	2,707
Primary battery manufacturing	<1	4,091	8,680	16,507
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	457	748	2,900
Wiring device manufacturing	<1	1,994	4,091	11,898
Carbon and graphite product manufacturing	<1	792	1,451	4,788
All other miscellaneous electrical equipment and component manufacturing	<1	51	61	198
Automobile manufacturing	<1	1,865	7,062	25,340

Appendix

Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	84	213	1,074
Motor vehicle body manufacturing	<1	357	495	1,985
Truck trailer manufacturing	<1	18	23	108
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	963	1,076	5,028
Motor vehicle gasoline engine and engine parts manufacturing	<1	1,711	2,735	17,746
Motor vehicle electrical and electronic equipment manufacturing	<1	2,829	3,738	21,885
Motor vehicle transmission and power train parts manufacturing	<1	2,022	3,313	13,289
Motor vehicle seating and interior trim manufacturing	<1	233	282	1,776
Motor vehicle metal stamping	<1	945	1,223	7,764
Other motor vehicle parts manufacturing	<1	5,378	7,572	33,304
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	851	1,498	6,190
Aircraft manufacturing	<1	13	42	129
Aircraft engine and engine parts manufacturing	<1	152	510	1,064
Other aircraft parts and auxiliary equipment manufacturing	<1	54,983	102,316	254,043
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	33	46	181
Ship building and repairing	<1	246	356	888
Boat building	<1	2,807	4,437	15,872
Motorcycle, bicycle, and parts manufacturing	<1	2,573	12,857	21,607
Military armored vehicle, tank, and tank component manufacturing	<1	728	2,201	6,386
All other transportation equipment manufacturing	<1	526	1,302	5,437
Wood kitchen cabinet and countertop manufacturing	<1	1,723	2,249	5,449
Upholstered household furniture manufacturing	<1	4,317	4,814	13,933

Appendix

Nonupholstered wood household furniture manufacturing	<1	368	425	1,241
Other household nonupholstered furniture manufacturing	<1	454	652	1,984
Institutional furniture manufacturing	<1	127	137	426
Wood office furniture manufacturing	<1	3	4	11
Custom architectural woodwork and millwork	<1	30	28	88
Office furniture, except wood, manufacturing	<1	104	164	485
Showcase, partition, shelving, and locker manufacturing	<1	671	909	2,564
Mattress manufacturing	<1	455	761	2,933
Blind and shade manufacturing	<1	111	117	418
Surgical and medical instrument manufacturing	<1	1,134	2,026	4,955
Surgical appliance and supplies manufacturing	<1	1,229	2,337	5,511
Dental equipment and supplies manufacturing	<1	147	239	598
Ophthalmic goods manufacturing	<1	169	319	749
Dental laboratories	<1	695	720	1,330
Jewelry and silverware manufacturing	<1	785	1,185	3,238
Sporting and athletic goods manufacturing	<1	1,289	1,792	5,970
Doll, toy, and game manufacturing	<1	206	325	995
Office supplies (except paper) manufacturing	<1	641	918	2,677
Sign manufacturing	<1	4,750	4,271	9,119
Gasket, packing, and sealing device manufacturing	<1	579	715	1,760
Musical instrument manufacturing	<1	142	154	403
Fasteners, buttons, needles, and pins manufacturing	<1	17	23	71
Broom, brush, and mop manufacturing	<1	1,036	1,521	4,018
Burial casket manufacturing	<1	28	35	101
All other miscellaneous manufacturing	<1	3,306	4,348	11,079
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	13,312	26,282	62,646
Wholesale - Professional and commercial equipment and supplies	<1	67,478	101,341	180,393

Appendix

Wholesale - Household appliances and electrical and electronic goods	<1	55,527	110,404	249,192
Wholesale - Machinery, equipment, and supplies	<1	42,177	71,064	127,606
Wholesale - Other durable goods merchant wholesalers	<1	60,351	94,201	189,081
Wholesale - Drugs and druggists' sundries	<1	18,940	46,510	88,910
Wholesale - Grocery and related product wholesalers	<1	29,287	37,598	75,638
Wholesale - Petroleum and petroleum products	<1	6,341	76,901	90,299
Wholesale - Other nondurable goods merchant wholesalers	<1	84,979	155,566	291,208
Wholesale - Wholesale electronic markets and agents and brokers	<1	30,429	31,332	36,582
Retail - Motor vehicle and parts dealers	<1	45,572	67,238	103,646
Retail - Furniture and home furnishings stores	<1	21,187	27,204	46,157
Retail - Electronics and appliance stores	<1	23,348	20,507	39,167
Retail - Building material and garden equipment and supplies stores	<1	30,758	51,309	80,797
Retail - Food and beverage stores	2	73,357	94,395	164,873
Retail - Health and personal care stores	1	44,434	53,626	85,194
Retail - Gasoline stores	<1	23,927	38,727	79,270
Retail - Clothing and clothing accessories stores	<1	22,156	33,173	75,174
Retail - Sporting goods, hobby, musical instrument and book stores	<1	19,363	25,070	43,484
Retail - General merchandise stores	2	76,514	103,689	175,513
Retail - Miscellaneous store retailers	2	33,001	38,871	70,233
Retail - Nonstore retailers	2	66,265	169,090	329,403
Air transportation	<1	12,709	29,421	59,772
Rail transportation	<1	9,792	26,685	42,599
Water transportation	<1	1,156	1,808	11,660
Truck transportation	1	112,109	131,792	242,789
Transit and ground passenger transportation	2	39,454	88,745	101,766
Pipeline transportation	<1	4,952	12,290	14,174
Scenic and sightseeing transportation and support activities for transportation	<1	50,952	56,151	121,912

Appendix

Couriers and messengers	<1	28,868	36,026	63,195
Warehousing and storage	2	71,722	81,294	153,588
Newspaper publishers	<1	12,438	21,070	27,364
Periodical publishers	<1	11,967	18,900	30,578
Book publishers	<1	8,711	26,193	42,887
Directory, mailing list, and other publishers	<1	1,948	5,356	7,865
Greeting card publishing	<1	306	825	1,135
Software publishers	<1	104,385	235,675	258,163
Motion picture and video industries	<1	9,908	14,261	53,623
Sound recording industries	<1	2,397	9,296	20,462
Radio and television broadcasting	<1	41,534	59,041	161,164
Cable and other subscription programming	<1	557	3,955	8,768
Wired telecommunications carriers	<1	45,353	137,421	224,732
Wireless telecommunications carriers (except satellite)	<1	7,246	67,566	151,575
Satellite, telecommunications resellers, and all other telecommunications	<1	7,273	14,381	30,830
Data processing, hosting, and related services	<1	115,074	211,418	503,851
News syndicates, libraries, archives and all other information services	<1	1,070	1,369	3,230
Internet publishing and broadcasting and web search portals	<1	20,049	37,093	143,024
Nondepository credit intermediation and related activities	<1	43,736	53,741	93,408
Securities and commodity contracts intermediation and brokerage	1	125,372	110,133	200,225
Monetary authorities and depository credit intermediation	3	256,933	600,260	1,121,383
Other financial investment activities	1	104,623	127,288	306,941
Direct life insurance carriers	<1	49,853	115,330	145,239
Insurance carriers, except direct life	1	102,211	441,996	774,092
Insurance agencies, brokerages, and related activities	1	77,261	150,800	318,498
Funds, trusts, and other financial vehicles	<1	16,882	21,639	116,658
Other real estate	11	230,170	932,341	2,217,226
Tenant-occupied housing	1	23,745	299,037	348,109

Appendix

Owner-occupied dwellings	0	0	968,769	1,229,809
Automotive equipment rental and leasing	<1	9,952	28,137	47,496
General and consumer goods rental except video tapes and discs	<1	12,215	18,260	33,562
Video tape and disc rental	<1	4,206	7,005	11,566
Commercial and industrial machinery and equipment rental and leasing	<1	11,153	25,164	41,043
Lessors of nonfinancial intangible assets	<1	4,586	79,705	97,830
Legal services	4	323,030	488,907	695,901
Accounting, tax preparation, bookkeeping, and payroll services	1	96,534	126,832	189,499
Architectural, engineering, and related services	2	167,760	184,424	328,514
Specialized design services	<1	10,247	16,114	23,977
Custom computer programming services	2	136,979	153,979	214,840
Computer systems design services	<1	72,943	72,963	94,396
Other computer related services, including facilities management	<1	17,373	28,614	50,534
Management consulting services	3	263,340	273,241	438,392
Environmental and other technical consulting services	<1	38,249	40,057	61,504
Scientific research and development services	71	5,526,406	7,669,222	15,339,014
Advertising, public relations, and related services	2	100,585	135,012	253,093
Photographic services	<1	3,713	8,965	16,433
Veterinary services	<1	15,722	19,402	30,332
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	59,733	108,197	212,350
Management of companies and enterprises	8	1,005,538	1,181,435	1,900,784
Office administrative services	1	75,165	25,152	67,350
Facilities support services	<1	4,748	6,679	13,350
Employment services	10	383,371	534,855	821,775
Business support services	1	63,615	51,702	92,806
Travel arrangement and reservation services	<1	22,636	28,312	63,843
Investigation and security services	<1	23,670	22,903	34,175
Services to buildings	2	55,669	73,243	146,074
Landscape and horticultural services	1	51,501	60,791	104,919

Appendix

Other support services	<1	29,410	36,222	73,484
Waste management and remediation services	<1	28,470	46,587	87,342
Elementary and secondary schools	<1	20,169	16,263	19,375
Junior colleges, colleges, universities, and professional schools	10	488,676	628,830	833,163
Other educational services	<1	22,653	25,549	51,164
Offices of physicians	3	376,960	401,455	532,955
Offices of dentists	1	74,103	96,631	131,666
Offices of other health practitioners	<1	47,465	73,318	99,054
Outpatient care centers	1	83,539	77,738	126,592
Medical and diagnostic laboratories	<1	30,884	46,572	57,392
Home health care services	<1	35,925	35,040	45,390
Other ambulatory health care services	<1	15,446	17,896	31,154
Hospitals	7	512,531	603,101	1,181,687
Nursing and community care facilities	2	93,180	98,108	177,280
Residential mental retardation, mental health, substance abuse and other facilities	<1	37,258	38,393	61,340
Individual and family services	4	102,554	93,078	140,090
Child day care services	<1	27,672	44,573	58,884
Community food, housing, and other relief services, including rehabilitation services	<1	28,337	28,098	64,120
Performing arts companies	<1	6,662	11,786	20,422
Commercial Sports Except Racing	1	38,398	33,716	52,899
Racing and Track Operation	<1	1,470	2,666	4,638
Independent artists, writers, and performers	<1	5,367	29,068	37,829
Promoters of performing arts and sports and agents for public figures	<1	7,004	18,481	36,292
Museums, historical sites, zoos, and parks	<1	4,291	5,899	10,610
Amusement parks and arcades	<1	1,455	5,248	7,015
Gambling industries (except casino hotels)	<1	10,592	20,849	41,567
Other amusement and recreation industries	<1	16,784	20,647	41,918
Fitness and recreational sports centers	<1	9,305	15,406	29,107
Bowling centers	<1	1,892	3,601	7,014

Appendix

Hotels and motels, including casino hotels	<1	15,725	27,891	48,727
Other accommodations	<1	6,031	8,159	11,152
Full-service restaurants	6	118,186	180,440	335,761
Limited-service restaurants	4	81,744	135,335	304,754
All other food and drinking places	4	94,669	131,543	216,088
Automotive repair and maintenance, except car washes	2	101,560	111,572	170,343
Car washes	<1	47,378	70,410	110,355
Electronic and precision equipment repair and maintenance	<1	59,222	73,642	119,334
Commercial and industrial machinery and equipment repair and maintenance	<1	58,082	59,428	87,559
Personal and household goods repair and maintenance	<1	10,923	19,951	29,403
Personal care services	1	41,027	36,504	48,581
Death care services	<1	10,919	6,798	9,721
Dry-cleaning and laundry services	<1	26,731	15,596	21,138
Other personal services	<1	19,891	25,179	36,989
Religious organizations	3	144,769	75,104	264,758
Grantmaking, giving, and social advocacy organizations	<1	21,632	73,376	116,255
Business and professional associations	<1	22,056	40,017	68,752
Labor and civic organizations	<1	18,058	55,530	113,876
Private households	<1	9,204	9,202	9,202
Postal service	<1	52,402	52,428	56,002
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	946	-1,749	553
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	8,309	-8,188	5,146
Local government electric utilities	<1	3,711	9,131	17,269
Other local government enterprises	<1	60,138	116,830	251,511
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	8	880,463	1,720,138	3,935,208

Moon to Mars Campaign

Table 776: Detailed M2M Campaign Impacts by Types of Impact, Wisconsin

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>20</i>	<i>1,448,935</i>	<i>2,150,203</i>	<i>4,094,364</i>
Oilseed farming	<1	-17	3,571	5,985
Grain farming	<1	646	2,153	7,443
Vegetable and melon farming	<1	528	1,227	1,848
Fruit farming	<1	229	578	649
Tree nut farming	<1	2	5	5
Greenhouse, nursery, and floriculture production	<1	297	462	636
Tobacco farming	<1	36	44	60
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	177	275	409
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	60	1,018	3,618
Dairy cattle and milk production	<1	345	1,128	5,610
Poultry and egg production	<1	75	140	896
Animal production, except cattle and poultry and eggs	<1	218	1,565	2,206
Forestry, forest products, and timber tract production	<1	48	51	61
Commercial logging	<1	393	349	510
Commercial fishing	<1	5	23	39
Commercial hunting and trapping	<1	14	-66	51
Support activities for agriculture and forestry	<1	1,864	1,423	1,791
Oil and gas extraction	<1	11	16	1,387

Appendix

Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	108	634	915
Sand and gravel mining	<1	149	490	715
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	4	12	18
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	<1	<1
Metal mining services	<1	<1	<1	10
Other nonmetallic minerals services	<1	<1	<1	1
Electric power generation - Hydroelectric	<1	41	138	328
Electric power generation - Fossil fuel	<1	2,173	7,559	17,632
Electric power generation - Nuclear	<1	710	1,480	2,791
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	3	26	46
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	<1	41	185	463
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	3,598	11,918	25,762
Natural gas distribution	<1	734	2,078	4,104
Water, sewage and other systems	<1	185	358	548
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

Appendix

Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	4,735	6,720	14,723
Maintenance and repair construction of residential structures	<1	1,945	2,723	6,051
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	4	9
Dog and cat food manufacturing	<1	183	598	2,054
Other animal food manufacturing	<1	273	484	3,467
Flour milling	<1	54	106	585
Rice milling	0	0	0	0
Malt manufacturing	<1	99	196	1,007
Wet corn milling	<1	77	211	1,039
Soybean and other oilseed processing	<1	21	122	985
Fats and oils refining and blending	<1	<1	2	20
Breakfast cereal manufacturing	<1	11	30	91
Beet sugar manufacturing	0	0	0	0
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	92	145	433
Chocolate and confectionery manufacturing from cacao beans	<1	157	246	865
Confectionery manufacturing from purchased chocolate	<1	93	134	521
Frozen fruits, juices and vegetables manufacturing	<1	262	570	1,854
Frozen specialties manufacturing	<1	544	783	2,683
Canned fruits and vegetables manufacturing	<1	561	1,196	3,870

Appendix

Canned specialties	<1	135	342	1,165
Dehydrated food products manufacturing	<1	18	34	133
Cheese manufacturing	<1	2,038	3,024	26,374
Dry, condensed, and evaporated dairy product manufacturing	<1	350	908	4,742
Fluid milk manufacturing	<1	100	169	999
Creamery butter manufacturing	<1	49	229	1,101
Ice cream and frozen dessert manufacturing	<1	35	50	212
Frozen cakes and other pastries manufacturing	<1	150	198	398
Poultry processing	<1	643	842	2,951
Animal, except poultry, slaughtering	<1	537	686	4,943
Meat processed from carcasses	<1	1,323	1,272	8,469
Rendering and meat byproduct processing	<1	33	33	146
Seafood product preparation and packaging	<1	21	28	156
Bread and bakery product, except frozen, manufacturing	<1	688	988	2,362
Cookie and cracker manufacturing	<1	183	289	929
Dry pasta, mixes, and dough manufacturing	<1	63	148	593
Tortilla manufacturing	<1	27	34	122
Roasted nuts and peanut butter manufacturing	<1	93	213	612
Other snack food manufacturing	<1	201	483	1,566
Coffee and tea manufacturing	<1	83	167	868
Flavoring syrup and concentrate manufacturing	<1	11	89	219
Mayonnaise, dressing, and sauce manufacturing	<1	76	151	537
Spice and extract manufacturing	<1	205	363	1,420
All other food manufacturing	<1	369	560	2,157
Bottled and canned soft drinks & water	<1	177	329	1,536
Manufactured ice	<1	25	17	77
Breweries	<1	397	976	2,533
Wineries	<1	92	167	844
Distilleries	<1	25	171	448
Tobacco product manufacturing	<1	6	201	349
Fiber, yarn, and thread mills	<1	11	17	72
Broadwoven fabric mills	<1	16	25	77
Narrow fabric mills and schiffli machine embroidery	0	0	0	0

Appendix

Nonwoven fabric mills	<1	239	365	1,192
Knit fabric mills	<1	41	48	126
Textile and fabric finishing mills	<1	1	2	11
Fabric coating mills	<1	30	35	144
Carpet and rug mills	<1	31	52	204
Curtain and linen mills	<1	7	9	33
Textile bag and canvas mills	<1	41	46	129
Rope, cordage, twine, tire cord and tire fabric mills	<1	<1	<1	1
Other textile product mills	<1	94	109	301
Hosiery and sock mills	<1	4	5	13
Other apparel knitting mills	<1	11	11	32
Cut and sew apparel contractors	<1	5	6	15
Mens and boys cut and sew apparel manufacturing	<1	10	10	36
Womens and girls cut and sew apparel manufacturing	<1	2	2	14
Other cut and sew apparel manufacturing	<1	10	11	46
Apparel accessories and other apparel manufacturing	<1	4	4	17
Leather and hide tanning and finishing	<1	19	19	92
Footwear manufacturing	<1	42	43	110
Other leather and allied product manufacturing	<1	3	3	7
Sawmills	<1	131	220	871
Wood preservation	<1	16	48	158
Veneer and plywood manufacturing	<1	60	103	380
Engineered wood member and truss manufacturing	<1	47	74	222
Reconstituted wood product manufacturing	<1	45	117	405
Wood windows and door manufacturing	<1	314	455	1,311
Cut stock, resawing lumber, and planing	<1	36	68	180
Other millwork, including flooring	<1	129	218	596
Wood container and pallet manufacturing	<1	187	267	724
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	25	36	107
All other miscellaneous wood product manufacturing	<1	89	143	401
Pulp mills	<1	12	16	79

Appendix

Paper mills	<1	1,311	2,306	9,916
Paperboard mills	<1	106	212	963
Paperboard container manufacturing	<1	891	1,266	5,350
Paper bag and coated and treated paper manufacturing	<1	1,216	1,909	6,532
Stationery product manufacturing	<1	81	112	465
Sanitary paper product manufacturing	<1	577	1,345	4,776
All other converted paper product manufacturing	<1	332	450	1,449
Printing	<1	7,856	11,800	20,888
Support activities for printing	<1	304	417	591
Petroleum refineries	<1	41	703	1,743
Asphalt paving mixture and block manufacturing	<1	15	36	115
Asphalt shingle and coating materials manufacturing	<1	24	196	308
Petroleum lubricating oil and grease manufacturing	<1	39	315	503
All other petroleum and coal products manufacturing	<1	22	192	340
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	132	325	922
Synthetic dye and pigment manufacturing	<1	46	107	316
Other basic inorganic chemical manufacturing	<1	92	235	630
Other basic organic chemical manufacturing	<1	369	857	5,910
Plastics material and resin manufacturing	<1	77	145	1,012
Synthetic rubber manufacturing	<1	5	9	24
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	10	29	82
Phosphatic fertilizer manufacturing	<1	10	22	72
Fertilizer mixing	<1	33	76	238
Pesticide and other agricultural chemical manufacturing	<1	115	395	1,689
Medicinal and botanical manufacturing	<1	51	100	272
Pharmaceutical preparation manufacturing	<1	282	1,192	3,414
In-vitro diagnostic substance manufacturing	<1	75	119	266

Appendix

Biological product (except diagnostic) manufacturing	<1	362	904	1,761
Paint and coating manufacturing	<1	245	547	1,824
Adhesive manufacturing	<1	48	91	309
Soap and other detergent manufacturing	<1	30	117	261
Polish and other sanitation good manufacturing	<1	1,391	2,406	4,963
Surface active agent manufacturing	<1	50	209	471
Toilet preparation manufacturing	<1	17	69	226
Printing ink manufacturing	<1	106	118	400
Explosives manufacturing	<1	5	6	18
Custom compounding of purchased resins	<1	46	98	325
Photographic film and chemical manufacturing	<1	45	123	472
Other miscellaneous chemical product manufacturing	<1	92	178	745
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	612	964	3,298
Unlaminated plastics profile shape manufacturing	<1	93	192	624
Plastics pipe and pipe fitting manufacturing	<1	23	57	197
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	13	23	73
Polystyrene foam product manufacturing	<1	52	85	344
Urethane and other foam product (except polystyrene) manufacturing	<1	78	122	471
Plastics bottle manufacturing	<1	47	72	315
Other plastics product manufacturing	<1	1,934	2,738	8,527
Tire manufacturing	<1	19	29	111
Rubber and plastics hoses and belting manufacturing	<1	26	37	101
Other rubber product manufacturing	<1	536	735	2,813
Pottery, ceramics, and plumbing fixture manufacturing	<1	14	27	66
Brick, tile, and other structural clay product manufacturing	<1	<1	2	4
Flat glass manufacturing	<1	42	141	258
Other pressed and blown glass and glassware manufacturing	<1	3	9	21
Glass container manufacturing	<1	50	118	245

Appendix

Glass product manufacturing made of purchased glass	<1	237	618	1,195
Cement manufacturing	<1	1	6	11
Ready-mix concrete manufacturing	<1	252	653	1,592
Concrete block and brick manufacturing	<1	29	82	164
Concrete pipe manufacturing	<1	9	23	52
Other concrete product manufacturing	<1	109	210	427
Lime manufacturing	<1	20	88	167
Gypsum product manufacturing	<1	26	126	237
Abrasive product manufacturing	<1	58	279	386
Cut stone and stone product manufacturing	<1	82	118	228
Ground or treated mineral and earth manufacturing	<1	30	151	219
Mineral wool manufacturing	<1	47	191	342
Miscellaneous nonmetallic mineral products manufacturing	<1	11	53	88
Iron and steel mills and ferroalloy manufacturing	<1	28	62	332
Iron, steel pipe and tube manufacturing from purchased steel	<1	45	90	309
Rolled steel shape manufacturing	<1	30	77	271
Steel wire drawing	<1	20	35	129
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	2	4	35
Aluminum sheet, plate, and foil manufacturing	<1	23	56	283
Other aluminum rolling, drawing and extruding	<1	16	25	123
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	33	59	396
Nonferrous metal, except copper and aluminum, shaping	<1	8	10	39
Secondary processing of other nonferrous metals	<1	2	3	17
Ferrous metal foundries	<1	243	414	983
Nonferrous metal foundries	<1	288	453	1,089
Custom roll forming	<1	6	9	47
Crown and closure manufacturing and metal stamping	<1	264	305	904
Iron and steel forging	<1	190	255	868

Appendix

Nonferrous forging	<1	37	46	171
Cutlery, utensil, pot, and pan manufacturing	<1	483	916	2,393
Handtool manufacturing	<1	175	240	523
Prefabricated metal buildings and components manufacturing	<1	61	71	241
Fabricated structural metal manufacturing	<1	160	199	652
Plate work manufacturing	<1	139	148	420
Metal window and door manufacturing	<1	215	257	712
Sheet metal work manufacturing	<1	209	246	658
Ornamental and architectural metal work manufacturing	<1	139	160	434
Power boiler and heat exchanger manufacturing	<1	18	22	69
Metal tank (heavy gauge) manufacturing	<1	52	59	185
Metal cans manufacturing	<1	84	145	800
Metal barrels, drums and pails manufacturing	<1	34	39	151
Hardware manufacturing	<1	147	194	600
Spring and wire product manufacturing	<1	139	162	492
Machine shops	<1	970	1,098	2,357
Turned product and screw, nut, and bolt manufacturing	<1	192	241	728
Metal heat treating	<1	109	137	367
Metal coating and nonprecious engraving	<1	227	322	968
Electroplating, anodizing, and coloring metal	<1	162	176	427
Valve and fittings, other than plumbing, manufacturing	<1	58	79	260
Plumbing fixture fitting and trim manufacturing	<1	77	155	524
Ball and roller bearing manufacturing	<1	38	54	141
Small arms ammunition manufacturing	<1	243	401	1,023
Ammunition, except for small arms, manufacturing	<1	4	5	12
Small arms, ordnance, and accessories manufacturing	<1	66	100	270
Fabricated pipe and pipe fitting manufacturing	<1	54	60	175
Other fabricated metal manufacturing	<1	625	734	1,885
Farm machinery and equipment manufacturing	<1	52	90	337

Appendix

Lawn and garden equipment manufacturing	<1	61	110	453
Construction machinery manufacturing	<1	21	50	136
Mining machinery and equipment manufacturing	<1	3	4	11
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	7	9	26
Sawmill, woodworking, and paper machinery	<1	118	135	366
Printing machinery and equipment manufacturing	<1	32	36	91
All other industrial machinery manufacturing	<1	10	13	33
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	<1	2	3	13
Other commercial service industry machinery manufacturing	<1	77	127	381
Air purification and ventilation equipment manufacturing	<1	78	108	275
Heating equipment (except warm air furnaces) manufacturing	<1	20	31	90
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	177	322	882
Industrial mold manufacturing	<1	40	47	86
Special tool, die, jig, and fixture manufacturing	<1	48	63	118
Cutting tool and machine tool accessory manufacturing	<1	28	32	74
Machine tool manufacturing	<1	7	9	25
Rolling mill and other metalworking machinery manufacturing	<1	2	2	5
Turbine and turbine generator set units manufacturing	<1	1	1	4
Speed changer, industrial high-speed drive, and gear manufacturing	<1	474	724	1,826
Mechanical power transmission equipment manufacturing	<1	161	256	567
Other engine equipment manufacturing	<1	1,126	2,454	9,264

Appendix

Pump and pumping equipment manufacturing	<1	21	36	107
Air and gas compressor manufacturing	<1	<1	1	5
Elevator and moving stairway manufacturing	<1	3	4	16
Conveyor and conveying equipment manufacturing	<1	8	9	27
Overhead cranes, hoists, and monorail systems manufacturing	<1	2	4	11
Industrial truck, trailer, and stacker manufacturing	<1	2	4	11
Power-driven handtool manufacturing	<1	80	201	410
Welding and soldering equipment manufacturing	<1	83	122	297
Packaging machinery manufacturing	<1	15	22	56
Industrial process furnace and oven manufacturing	<1	5	6	13
Fluid power cylinder and actuator manufacturing	<1	42	59	162
Fluid power pump and motor manufacturing	<1	47	74	241
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	33	41	121
Electronic computer manufacturing	<1	8	17	71
Computer storage device manufacturing	<1	11	27	144
Computer terminals and other computer peripheral equipment manufacturing	<1	6	10	39
Telephone apparatus manufacturing	<1	11	17	51
Broadcast and wireless communications equipment manufacturing	<1	<1	<1	3
Other communications equipment manufacturing	<1	13	21	62
Audio and video equipment manufacturing	<1	5	9	44
Printed circuit assembly (electronic assembly) manufacturing	<1	147	260	1,123
Bare printed circuit board manufacturing	<1	42	55	182
Semiconductor and related device manufacturing	<1	2	4	9

Appendix

Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	20	28	71
Electronic connector manufacturing	<1	11	16	45
Other electronic component manufacturing	<1	51	69	213
Electromedical and electrotherapeutic apparatus manufacturing	<1	9	17	35
Search, detection, and navigation instruments manufacturing	<1	1	2	4
Automatic environmental control manufacturing	<1	139	185	464
Industrial process variable instruments manufacturing	<1	27	42	98
Totalizing fluid meter and counting device manufacturing	<1	11	24	58
Electricity and signal testing instruments manufacturing	<1	3	4	20
Analytical laboratory instrument manufacturing	<1	2,371	4,007	8,659
Irradiation apparatus manufacturing	<1	26	49	95
Watch, clock, and other measuring and controlling device manufacturing	<1	8	14	34
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	29	42	115
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	280	425	1,059
Small electrical appliance manufacturing	<1	130	326	892
Household cooking appliance manufacturing	<1	70	184	500
Household refrigerator and home freezer manufacturing	<1	75	207	540
Household laundry equipment manufacturing	<1	178	358	1,255
Other major household appliance manufacturing	<1	29	86	208
Power, distribution, and specialty transformer manufacturing	<1	30	48	107
Motor and generator manufacturing	<1	218	396	1,084
Switchgear and switchboard apparatus manufacturing	<1	138	255	625

Appendix

Relay and industrial control manufacturing	<1	789	1,148	2,151
Storage battery manufacturing	<1	76	111	267
Primary battery manufacturing	<1	371	1,065	1,470
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	23	37	143
Wiring device manufacturing	<1	98	205	568
Carbon and graphite product manufacturing	<1	167	312	1,022
All other miscellaneous electrical equipment and component manufacturing	<1	3	3	10
Automobile manufacturing	<1	135	502	1,783
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	6	15	71
Motor vehicle body manufacturing	<1	23	32	131
Truck trailer manufacturing	<1	<1	1	6
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	66	74	344
Motor vehicle gasoline engine and engine parts manufacturing	<1	128	199	1,336
Motor vehicle electrical and electronic equipment manufacturing	<1	182	237	1,297
Motor vehicle transmission and power train parts manufacturing	<1	240	386	1,386
Motor vehicle seating and interior trim manufacturing	<1	14	18	107
Motor vehicle metal stamping	<1	50	65	407
Other motor vehicle parts manufacturing	<1	304	391	1,870
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	71	125	506
Aircraft manufacturing	<1	<1	2	8
Aircraft engine and engine parts manufacturing	<1	41	105	265
Other aircraft parts and auxiliary equipment manufacturing	<1	2	4	9
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	<1	3	4	14
Ship building and repairing	<1	22	32	80
Boat building	<1	199	312	1,125
Motorcycle, bicycle, and parts manufacturing	<1	259	1,303	2,143
Military armored vehicle, tank, and tank component manufacturing	<1	50	151	393
All other transportation equipment manufacturing	<1	48	121	495
Wood kitchen cabinet and countertop manufacturing	<1	125	154	379
Upholstered household furniture manufacturing	<1	474	530	1,526
Nonupholstered wood household furniture manufacturing	<1	32	36	105
Other household nonupholstered furniture manufacturing	<1	25	37	107
Institutional furniture manufacturing	<1	11	12	36
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	2	2	7
Office furniture, except wood, manufacturing	<1	7	11	33
Showcase, partition, shelving, and locker manufacturing	<1	39	50	144
Mattress manufacturing	<1	40	62	245
Blind and shade manufacturing	<1	9	9	33
Surgical and medical instrument manufacturing	<1	99	177	413
Surgical appliance and supplies manufacturing	<1	127	248	559
Dental equipment and supplies manufacturing	<1	15	23	57
Ophthalmic goods manufacturing	<1	16	32	73
Dental laboratories	<1	69	72	131
Jewelry and silverware manufacturing	<1	64	97	262
Sporting and athletic goods manufacturing	<1	106	147	468
Doll, toy, and game manufacturing	<1	17	29	84
Office supplies (except paper) manufacturing	<1	53	76	211
Sign manufacturing	<1	280	255	540
Gasket, packing, and sealing device manufacturing	<1	32	40	97

Appendix

Musical instrument manufacturing	<1	19	22	54
Fasteners, buttons, needles, and pins manufacturing	<1	2	2	7
Broom, brush, and mop manufacturing	<1	104	188	404
Burial casket manufacturing	<1	2	2	6
All other miscellaneous manufacturing	<1	185	248	628
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,101	2,199	5,229
Wholesale - Professional and commercial equipment and supplies	<1	5,345	8,021	14,184
Wholesale - Household appliances and electrical and electronic goods	<1	1,833	3,665	8,245
Wholesale - Machinery, equipment, and supplies	<1	2,578	4,341	7,783
Wholesale - Other durable goods merchant wholesalers	<1	3,662	5,747	11,497
Wholesale - Drugs and druggists' sundries	<1	1,610	3,955	7,426
Wholesale - Grocery and related product wholesalers	<1	2,323	2,983	5,977
Wholesale - Petroleum and petroleum products	<1	449	6,552	7,544
Wholesale - Other nondurable goods merchant wholesalers	<1	6,768	12,864	23,523
Wholesale - Wholesale electronic markets and agents and brokers	<1	2,162	2,227	2,592
Retail - Motor vehicle and parts dealers	<1	3,708	5,473	8,383
Retail - Furniture and home furnishings stores	<1	1,782	2,289	3,847
Retail - Electronics and appliance stores	<1	1,946	1,734	3,253
Retail - Building material and garden equipment and supplies stores	<1	2,444	4,088	6,407
Retail - Food and beverage stores	<1	6,497	8,313	14,338
Retail - Health and personal care stores	<1	3,667	4,448	7,060
Retail - Gasoline stores	<1	2,041	3,206	6,380
Retail - Clothing and clothing accessories stores	<1	1,913	2,841	6,315
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,604	2,082	3,566
Retail - General merchandise stores	<1	6,129	8,351	14,124

Appendix

Retail - Miscellaneous store retailers	<1	2,803	3,297	5,839
Retail - Nonstore retailers	<1	5,418	14,680	28,222
Air transportation	<1	1,025	2,434	4,873
Rail transportation	<1	847	1,992	3,376
Water transportation	<1	110	174	1,083
Truck transportation	<1	9,440	11,036	20,302
Transit and ground passenger transportation	<1	4,078	9,139	10,094
Pipeline transportation	<1	254	683	805
Scenic and sightseeing transportation and support activities for transportation	<1	4,276	4,734	10,380
Couriers and messengers	<1	2,362	3,010	5,270
Warehousing and storage	<1	4,211	4,787	8,986
Newspaper publishers	<1	909	1,548	1,981
Periodical publishers	<1	1,156	1,840	2,838
Book publishers	<1	742	2,238	3,619
Directory, mailing list, and other publishers	<1	124	351	511
Greeting card publishing	<1	26	75	98
Software publishers	<1	7,566	17,390	19,033
Motion picture and video industries	<1	973	1,398	4,722
Sound recording industries	<1	221	874	1,821
Radio and television broadcasting	<1	3,908	5,280	11,751
Cable and other subscription programming	<1	77	384	717
Wired telecommunications carriers	<1	3,622	10,604	17,150
Wireless telecommunications carriers (except satellite)	<1	614	5,847	12,852
Satellite, telecommunications resellers, and all other telecommunications	<1	598	1,157	2,405
Data processing, hosting, and related services	<1	5,087	9,219	20,926
News syndicates, libraries, archives and all other information services	<1	106	140	311
Internet publishing and broadcasting and web search portals	<1	1,909	3,540	11,674
Nondepository credit intermediation and related activities	<1	3,906	4,813	8,085
Securities and commodity contracts intermediation and brokerage	<1	10,955	9,447	15,724

Appendix

Monetary authorities and depository credit intermediation	<1	19,630	46,049	84,880
Other financial investment activities	<1	10,858	12,887	27,787
Direct life insurance carriers	<1	3,791	9,161	11,234
Insurance carriers, except direct life	<1	8,418	38,494	64,201
Insurance agencies, brokerages, and related activities	<1	6,048	12,147	24,816
Funds, trusts, and other financial vehicles	<1	1,647	2,167	9,996
Other real estate	<1	20,388	79,366	176,622
Tenant-occupied housing	<1	2,121	27,504	31,425
Owner-occupied dwellings	0	0	87,997	111,709
Automotive equipment rental and leasing	<1	1,049	2,502	4,041
General and consumer goods rental except video tapes and discs	<1	1,045	1,481	2,599
Video tape and disc rental	<1	352	580	954
Commercial and industrial machinery and equipment rental and leasing	<1	986	2,021	3,233
Lessors of nonfinancial intangible assets	<1	327	5,848	7,135
Legal services	<1	24,617	37,789	53,008
Accounting, tax preparation, bookkeeping, and payroll services	<1	7,562	10,216	14,862
Architectural, engineering, and related services	<1	13,346	14,878	26,146
Specialized design services	<1	821	1,340	1,934
Custom computer programming services	<1	3,872	4,325	5,977
Computer systems design services	<1	4,859	4,865	6,225
Other computer related services, including facilities management	<1	1,460	2,383	4,124
Management consulting services	<1	24,276	25,347	39,571
Environmental and other technical consulting services	<1	3,370	3,571	5,415
Scientific research and development services	6	472,795	650,508	1,267,984
Advertising, public relations, and related services	<1	7,531	10,315	18,524
Photographic services	<1	302	785	1,369
Veterinary services	<1	1,320	1,669	2,553
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	18,817	35,619	67,055

Appendix

Management of companies and enterprises	<1	58,867	69,562	109,981
Office administrative services	<1	7,680	2,753	6,782
Facilities support services	<1	375	530	1,000
Employment services	<1	31,416	44,661	65,893
Business support services	<1	4,255	3,517	6,082
Travel arrangement and reservation services	<1	1,750	2,203	4,928
Investigation and security services	<1	1,815	1,766	2,561
Services to buildings	<1	4,619	6,179	11,829
Landscape and horticultural services	<1	4,035	4,805	8,091
Other support services	<1	1,860	2,309	4,595
Waste management and remediation services	<1	2,170	3,546	6,583
Elementary and secondary schools	<1	2,090	1,687	1,986
Junior colleges, colleges, universities, and professional schools	<1	9,070	11,647	14,817
Other educational services	<1	2,094	2,379	4,620
Offices of physicians	<1	31,911	34,146	45,312
Offices of dentists	<1	6,350	8,407	11,340
Offices of other health practitioners	<1	3,968	6,269	8,395
Outpatient care centers	<1	7,265	6,806	11,194
Medical and diagnostic laboratories	<1	2,697	4,157	5,049
Home health care services	<1	3,065	3,004	3,918
Other ambulatory health care services	<1	1,332	1,557	2,689
Hospitals	<1	49,030	57,279	111,657
Nursing and community care facilities	<1	8,250	8,694	15,410
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,630	3,748	5,895
Individual and family services	<1	9,256	8,480	12,631
Child day care services	<1	2,494	4,069	5,288
Community food, housing, and other relief services, including rehabilitation services	<1	2,751	2,738	6,117
Performing arts companies	<1	644	1,121	1,817
Commercial Sports Except Racing	<1	3,226	2,742	4,258
Racing and Track Operation	<1	138	250	395
Independent artists, writers, and performers	<1	501	2,521	3,213

Appendix

Promoters of performing arts and sports and agents for public figures	<1	626	1,609	2,997
Museums, historical sites, zoos, and parks	<1	371	510	902
Amusement parks and arcades	<1	138	447	597
Gambling industries (except casino hotels)	<1	959	1,840	3,622
Other amusement and recreation industries	<1	1,398	1,651	3,317
Fitness and recreational sports centers	<1	845	1,332	2,490
Bowling centers	<1	159	294	567
Hotels and motels, including casino hotels	<1	1,504	2,627	4,535
Other accommodations	<1	668	898	1,211
Full-service restaurants	<1	9,741	15,034	27,460
Limited-service restaurants	<1	7,004	11,683	25,620
All other food and drinking places	<1	8,457	11,758	18,902
Automotive repair and maintenance, except car washes	<1	8,900	9,449	14,418
Car washes	<1	4,086	6,042	9,418
Electronic and precision equipment repair and maintenance	<1	2,191	2,744	4,350
Commercial and industrial machinery and equipment repair and maintenance	<1	14,515	14,692	21,066
Personal and household goods repair and maintenance	<1	929	1,652	2,429
Personal care services	<1	3,711	3,192	4,260
Death care services	<1	1,083	585	866
Dry-cleaning and laundry services	<1	2,430	1,231	1,728
Other personal services	<1	1,741	2,180	3,180
Religious organizations	<1	13,312	5,997	23,384
Grantmaking, giving, and social advocacy organizations	<1	2,175	6,903	10,984
Business and professional associations	<1	1,955	3,376	5,731
Labor and civic organizations	<1	1,772	5,128	10,701
Private households	<1	849	849	849
Postal service	<1	4,160	4,163	4,442
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	89	-192	53
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	0	0	0	0
Local government passenger transit	<1	712	-739	350
Local government electric utilities	<1	262	611	1,146
Other local government enterprises	<1	4,557	8,406	18,058
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	209,448	214,614	490,978

Investments in Climate Change Research and Technology

Table 777: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wisconsin

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>116</i>	<i>6,960,160</i>	<i>10,887,871</i>	<i>21,217,927</i>
Oilseed farming	<1	-86	10,308	14,478
Grain farming	<1	3,989	10,481	45,612
Vegetable and melon farming	<1	2,528	5,809	8,852
Fruit farming	<1	925	2,359	2,654
Tree nut farming	<1	6	15	16
Greenhouse, nursery, and floriculture production	<1	1,582	2,465	3,508
Tobacco farming	<1	71	86	108
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	0	0	0	0
All other crop farming	<1	1,326	1,997	3,095
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	326	7,307	28,791

Appendix

Dairy cattle and milk production	<1	1,314	4,845	26,131
Poultry and egg production	<1	550	904	6,981
Animal production, except cattle and poultry and eggs	<1	2,407	13,002	17,433
Forestry, forest products, and timber tract production	<1	252	270	337
Commercial logging	<1	2,328	2,066	3,263
Commercial fishing	<1	20	161	265
Commercial hunting and trapping	<1	45	-418	314
Support activities for agriculture and forestry	<1	13,930	10,798	13,511
Oil and gas extraction	<1	116	136	11,369
Coal mining	0	0	0	0
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	0	0	0	0
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	597	4,927	6,680
Sand and gravel mining	<1	885	3,453	5,115
Other clay, ceramic, refractory minerals mining	0	0	0	0
Potash, soda, and borate mineral mining	0	0	0	0
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	0	0	0	0
Other nonmetallic minerals	<1	17	63	94
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	<1	1	7
Metal mining services	<1	1	1	129
Other nonmetallic minerals services	<1	<1	<1	13
Electric power generation - Hydroelectric	<1	245	785	1,885
Electric power generation - Fossil fuel	<1	8,531	32,364	84,778
Electric power generation - Nuclear	<1	3,663	7,609	15,586
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	29	231	442
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	<1	228	919	2,600
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	18,696	63,752	147,772
Natural gas distribution	<1	3,413	9,297	19,743
Water, sewage and other systems	<1	1,156	2,278	3,777
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	28,492	40,360	91,910
Maintenance and repair construction of residential structures	<1	9,223	12,851	29,664
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	15	21	48
Dog and cat food manufacturing	<1	1,045	3,200	11,712
Other animal food manufacturing	<1	1,733	2,881	22,382
Flour milling	<1	364	731	3,996
Rice milling	0	0	0	0
Malt manufacturing	<1	826	1,604	8,489
Wet corn milling	<1	452	1,155	5,935
Soybean and other oilseed processing	<1	95	556	4,643
Fats and oils refining and blending	<1	4	7	81
Breakfast cereal manufacturing	<1	58	149	496
Beet sugar manufacturing	0	0	0	0

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	329	522	1,690
Chocolate and confectionery manufacturing from cacao beans	<1	400	621	2,285
Confectionery manufacturing from purchased chocolate	<1	472	676	2,830
Frozen fruits, juices and vegetables manufacturing	<1	1,073	2,237	8,478
Frozen specialties manufacturing	<1	2,518	3,667	12,980
Canned fruits and vegetables manufacturing	<1	1,814	3,855	12,903
Canned specialties	<1	692	1,857	6,387
Dehydrated food products manufacturing	<1	58	111	438
Cheese manufacturing	<1	7,485	11,144	96,336
Dry, condensed, and evaporated dairy product manufacturing	<1	1,425	3,650	22,171
Fluid milk manufacturing	<1	461	763	4,694
Creamery butter manufacturing	<1	248	1,282	6,289
Ice cream and frozen dessert manufacturing	<1	164	231	1,102
Frozen cakes and other pastries manufacturing	<1	709	946	1,953
Poultry processing	<1	5,221	6,481	23,912
Animal, except poultry, slaughtering	<1	3,705	4,669	34,432
Meat processed from carcasses	<1	6,484	6,133	42,236
Rendering and meat byproduct processing	<1	159	154	713
Seafood product preparation and packaging	<1	133	171	1,076
Bread and bakery product, except frozen, manufacturing	<1	3,349	4,819	11,744
Cookie and cracker manufacturing	<1	716	1,063	3,942
Dry pasta, mixes, and dough manufacturing	<1	283	670	2,547
Tortilla manufacturing	<1	140	180	680
Roasted nuts and peanut butter manufacturing	<1	381	827	2,625
Other snack food manufacturing	<1	999	2,450	8,002
Coffee and tea manufacturing	<1	433	843	4,496
Flavoring syrup and concentrate manufacturing	<1	49	414	989
Mayonnaise, dressing, and sauce manufacturing	<1	321	663	2,468
Spice and extract manufacturing	<1	674	1,151	4,936
All other food manufacturing	<1	1,371	2,089	8,531

Appendix

Bottled and canned soft drinks & water	<1	974	1,767	8,603
Manufactured ice	<1	128	78	424
Breweries	<1	1,987	4,595	12,297
Wineries	<1	281	511	2,758
Distilleries	<1	128	806	2,288
Tobacco product manufacturing	<1	25	662	1,303
Fiber, yarn, and thread mills	<1	69	86	453
Broadwoven fabric mills	<1	122	159	561
Narrow fabric mills and schiffli machine embroidery	0	0	0	0
Nonwoven fabric mills	<1	942	1,371	5,030
Knit fabric mills	<1	107	123	336
Textile and fabric finishing mills	<1	3	4	28
Fabric coating mills	<1	83	102	458
Carpet and rug mills	<1	143	193	994
Curtain and linen mills	<1	30	36	147
Textile bag and canvas mills	<1	209	233	691
Rope, cordage, twine, tire cord and tire fabric mills	<1	4	6	17
Other textile product mills	<1	430	486	1,463
Hosiery and sock mills	<1	21	22	77
Other apparel knitting mills	<1	38	41	127
Cut and sew apparel contractors	<1	20	24	62
Mens and boys cut and sew apparel manufacturing	<1	28	30	123
Womens and girls cut and sew apparel manufacturing	<1	5	6	38
Other cut and sew apparel manufacturing	<1	32	33	160
Apparel accessories and other apparel manufacturing	<1	12	14	67
Leather and hide tanning and finishing	<1	108	94	512
Footwear manufacturing	<1	269	265	810
Other leather and allied product manufacturing	<1	10	10	27
Sawmills	<1	966	1,579	6,222
Wood preservation	<1	128	377	1,219
Veneer and plywood manufacturing	<1	570	957	3,431
Engineered wood member and truss manufacturing	<1	299	460	1,401
Reconstituted wood product manufacturing	<1	394	1,007	3,397
Wood windows and door manufacturing	<1	2,555	3,678	10,845

Appendix

Cut stock, resawing lumber, and planing	<1	239	452	1,206
Other millwork, including flooring	<1	839	1,403	4,067
Wood container and pallet manufacturing	<1	1,038	1,470	4,126
Manufactured home (mobile home) manufacturing	<1	<1	<1	<1
Prefabricated wood building manufacturing	<1	178	253	713
All other miscellaneous wood product manufacturing	<1	481	744	2,356
Pulp mills	<1	204	300	1,380
Paper mills	<1	10,340	21,822	81,978
Paperboard mills	<1	1,146	2,425	10,211
Paperboard container manufacturing	<1	4,157	5,993	25,728
Paper bag and coated and treated paper manufacturing	<1	6,556	11,098	38,755
Stationery product manufacturing	<1	411	596	2,599
Sanitary paper product manufacturing	<1	3,804	9,595	31,358
All other converted paper product manufacturing	<1	2,263	3,148	9,516
Printing	<1	35,321	50,194	99,669
Support activities for printing	<1	977	1,323	1,949
Petroleum refineries	<1	291	4,725	11,818
Asphalt paving mixture and block manufacturing	<1	92	223	749
Asphalt shingle and coating materials manufacturing	<1	167	1,330	2,100
Petroleum lubricating oil and grease manufacturing	<1	198	1,568	2,636
All other petroleum and coal products manufacturing	<1	257	2,543	4,554
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	1,207	2,872	8,200
Synthetic dye and pigment manufacturing	<1	259	567	1,528
Other basic inorganic chemical manufacturing	<1	730	1,649	4,604
Other basic organic chemical manufacturing	<1	3,846	8,742	53,540
Plastics material and resin manufacturing	<1	737	1,310	8,226
Synthetic rubber manufacturing	<1	44	67	176
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	46	126	396
Phosphatic fertilizer manufacturing	<1	69	150	500
Fertilizer mixing	<1	199	428	1,396
Pesticide and other agricultural chemical manufacturing	<1	1,023	3,421	14,011
Medicinal and botanical manufacturing	<1	156	288	871
Pharmaceutical preparation manufacturing	<1	885	3,478	10,886
In-vitro diagnostic substance manufacturing	<1	144	224	505
Biological product (except diagnostic) manufacturing	<1	855	1,989	4,250
Paint and coating manufacturing	<1	1,120	2,333	7,848
Adhesive manufacturing	<1	175	311	1,174
Soap and other detergent manufacturing	<1	119	405	1,172
Polish and other sanitation good manufacturing	<1	5,590	9,113	21,071
Surface active agent manufacturing	<1	285	1,047	2,680
Toilet preparation manufacturing	<1	61	230	800
Printing ink manufacturing	<1	378	415	1,411
Explosives manufacturing	<1	65	76	239
Custom compounding of purchased resins	<1	184	354	1,295
Photographic film and chemical manufacturing	<1	276	721	2,908
Other miscellaneous chemical product manufacturing	<1	564	1,029	4,166
Plastics packaging materials and unlaminated film and sheet manufacturing	<1	2,864	4,582	16,143
Unlaminated plastics profile shape manufacturing	<1	510	1,068	3,621
Plastics pipe and pipe fitting manufacturing	<1	126	324	1,068
Laminated plastics plate, sheet (except packaging), and shape manufacturing	<1	78	142	429
Polystyrene foam product manufacturing	<1	353	583	2,363
Urethane and other foam product (except polystyrene) manufacturing	<1	445	700	2,765
Plastics bottle manufacturing	<1	180	280	1,310
Other plastics product manufacturing	<1	9,842	13,879	45,941

Appendix

Tire manufacturing	<1	137	201	778
Rubber and plastics hoses and belting manufacturing	<1	169	245	672
Other rubber product manufacturing	<1	3,047	4,223	15,413
Pottery, ceramics, and plumbing fixture manufacturing	<1	77	156	354
Brick, tile, and other structural clay product manufacturing	<1	6	16	26
Flat glass manufacturing	<1	260	958	1,687
Other pressed and blown glass and glassware manufacturing	<1	19	55	131
Glass container manufacturing	<1	247	609	1,203
Glass product manufacturing made of purchased glass	<1	1,557	4,230	7,937
Cement manufacturing	<1	9	41	80
Ready-mix concrete manufacturing	<1	1,772	4,755	11,389
Concrete block and brick manufacturing	<1	154	469	887
Concrete pipe manufacturing	<1	60	163	338
Other concrete product manufacturing	<1	798	1,592	3,130
Lime manufacturing	<1	232	982	1,844
Gypsum product manufacturing	<1	141	742	1,315
Abrasive product manufacturing	<1	286	1,536	2,056
Cut stone and stone product manufacturing	<1	539	779	1,508
Ground or treated mineral and earth manufacturing	<1	223	1,158	1,639
Mineral wool manufacturing	<1	232	990	1,792
Miscellaneous nonmetallic mineral products manufacturing	<1	58	339	564
Iron and steel mills and ferroalloy manufacturing	<1	173	442	2,022
Iron, steel pipe and tube manufacturing from purchased steel	<1	278	633	2,069
Rolled steel shape manufacturing	<1	311	901	2,578
Steel wire drawing	<1	124	239	806
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	<1	14	33	301
Aluminum sheet, plate, and foil manufacturing	<1	147	403	1,726
Other aluminum rolling, drawing and extruding	<1	69	123	572

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	<1	236	445	3,122
Nonferrous metal, except copper and aluminum, shaping	<1	36	50	177
Secondary processing of other nonferrous metals	<1	7	19	82
Ferrous metal foundries	<1	2,080	4,039	8,668
Nonferrous metal foundries	<1	1,828	3,086	7,286
Custom roll forming	<1	21	30	159
Crown and closure manufacturing and metal stamping	<1	1,016	1,180	3,639
Iron and steel forging	<1	780	1,064	3,640
Nonferrous forging	<1	126	161	628
Cutlery, utensil, pot, and pan manufacturing	<1	1,732	3,218	8,801
Handtool manufacturing	<1	31,746	48,083	107,575
Prefabricated metal buildings and components manufacturing	<1	342	434	1,394
Fabricated structural metal manufacturing	<1	1,070	1,380	4,533
Plate work manufacturing	<1	2,430	2,572	7,409
Metal window and door manufacturing	<1	1,117	1,361	3,860
Sheet metal work manufacturing	<1	1,089	1,302	3,600
Ornamental and architectural metal work manufacturing	<1	837	985	2,766
Power boiler and heat exchanger manufacturing	<1	87	107	318
Metal tank (heavy gauge) manufacturing	<1	244	285	924
Metal cans manufacturing	<1	364	628	3,513
Metal barrels, drums and pails manufacturing	<1	165	190	779
Hardware manufacturing	<1	704	950	3,010
Spring and wire product manufacturing	<1	379	462	1,382
Machine shops	<1	41,382	47,315	106,246
Turned product and screw, nut, and bolt manufacturing	<1	751	965	3,000
Metal heat treating	<1	401	510	1,365
Metal coating and nonprecious engraving	<1	967	1,404	4,164
Electroplating, anodizing, and coloring metal	<1	616	672	1,642
Valve and fittings, other than plumbing, manufacturing	<1	286	387	1,299

Appendix

Plumbing fixture fitting and trim manufacturing	<1	354	719	2,505
Ball and roller bearing manufacturing	<1	90	135	365
Small arms ammunition manufacturing	<1	1,194	1,917	5,343
Ammunition, except for small arms, manufacturing	<1	42	49	124
Small arms, ordnance, and accessories manufacturing	<1	277	417	1,243
Fabricated pipe and pipe fitting manufacturing	<1	428	490	1,383
Other fabricated metal manufacturing	<1	2,958	3,496	9,277
Farm machinery and equipment manufacturing	<1	251	439	1,585
Lawn and garden equipment manufacturing	<1	223	375	1,751
Construction machinery manufacturing	<1	243	511	1,563
Mining machinery and equipment manufacturing	<1	38	58	142
Oil and gas field machinery and equipment manufacturing	0	0	0	0
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	<1	30	34	102
Sawmill, woodworking, and paper machinery	<1	663	731	2,101
Printing machinery and equipment manufacturing	<1	99	109	295
All other industrial machinery manufacturing	<1	51	64	168
Optical instrument and lens manufacturing	<1	3	5	16
Photographic and photocopying equipment manufacturing	<1	5	7	30
Other commercial service industry machinery manufacturing	<1	347	530	1,660
Air purification and ventilation equipment manufacturing	<1	365	471	1,234
Heating equipment (except warm air furnaces) manufacturing	<1	98	144	482
Air conditioning, refrigeration, and warm air heating equipment manufacturing	<1	919	1,558	4,704
Industrial mold manufacturing	<1	224	257	493
Special tool, die, jig, and fixture manufacturing	<1	181	232	458

Appendix

Cutting tool and machine tool accessory manufacturing	<1	146	163	390
Machine tool manufacturing	<1	36	45	129
Rolling mill and other metalworking machinery manufacturing	<1	9	11	25
Turbine and turbine generator set units manufacturing	<1	4	5	18
Speed changer, industrial high-speed drive, and gear manufacturing	<1	1,164	1,660	4,921
Mechanical power transmission equipment manufacturing	<1	1,234	1,860	4,405
Other engine equipment manufacturing	<1	2,650	5,132	25,751
Pump and pumping equipment manufacturing	<1	78	128	407
Air and gas compressor manufacturing	<1	7	11	39
Elevator and moving stairway manufacturing	<1	20	27	106
Conveyor and conveying equipment manufacturing	<1	52	58	180
Overhead cranes, hoists, and monorail systems manufacturing	<1	17	31	100
Industrial truck, trailer, and stacker manufacturing	<1	16	25	76
Power-driven handtool manufacturing	<1	131	317	727
Welding and soldering equipment manufacturing	<1	76	104	332
Packaging machinery manufacturing	<1	56	77	205
Industrial process furnace and oven manufacturing	<1	20	23	53
Fluid power cylinder and actuator manufacturing	<1	186	254	686
Fluid power pump and motor manufacturing	<1	54	83	287
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	112	135	431
Electronic computer manufacturing	<1	24	52	222
Computer storage device manufacturing	<1	24	59	310
Computer terminals and other computer peripheral equipment manufacturing	<1	21	37	141
Telephone apparatus manufacturing	<1	145	241	677

Appendix

Broadcast and wireless communications equipment manufacturing	<1	1	2	7
Other communications equipment manufacturing	<1	59	101	273
Audio and video equipment manufacturing	<1	13	22	117
Printed circuit assembly (electronic assembly) manufacturing	<1	301	563	2,405
Bare printed circuit board manufacturing	<1	183	245	722
Semiconductor and related device manufacturing	<1	4	8	21
Capacitor, resistor, coil, transformer, and other inductor manufacturing	<1	58	84	217
Electronic connector manufacturing	<1	37	57	161
Other electronic component manufacturing	<1	126	175	536
Electromedical and electrotherapeutic apparatus manufacturing	<1	28	53	113
Search, detection, and navigation instruments manufacturing	<1	2	3	6
Automatic environmental control manufacturing	<1	153	206	528
Industrial process variable instruments manufacturing	<1	99	157	367
Totalizing fluid meter and counting device manufacturing	<1	98	226	529
Electricity and signal testing instruments manufacturing	<1	2	3	16
Analytical laboratory instrument manufacturing	<1	2,672	4,636	9,780
Irradiation apparatus manufacturing	<1	79	152	299
Watch, clock, and other measuring and controlling device manufacturing	<1	19	34	87
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	77	112	371
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	598	917	2,373
Small electrical appliance manufacturing	<1	447	1,038	3,282

Appendix

Household cooking appliance manufacturing	<1	326	742	2,167
Household refrigerator and home freezer manufacturing	<1	349	824	2,317
Household laundry equipment manufacturing	<1	826	1,493	5,504
Other major household appliance manufacturing	<1	132	334	875
Power, distribution, and specialty transformer manufacturing	<1	84	132	329
Motor and generator manufacturing	<1	1,421	2,482	6,906
Switchgear and switchboard apparatus manufacturing	<1	355	619	1,646
Relay and industrial control manufacturing	<1	2,217	3,129	6,144
Storage battery manufacturing	<1	282	420	1,054
Primary battery manufacturing	<1	1,528	2,363	5,961
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	79	125	499
Wiring device manufacturing	<1	236	472	1,447
Carbon and graphite product manufacturing	<1	307	538	1,776
All other miscellaneous electrical equipment and component manufacturing	<1	9	11	36
Automobile manufacturing	<1	779	3,107	10,989
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	<1	43	119	572
Motor vehicle body manufacturing	<1	175	251	959
Truck trailer manufacturing	<1	9	13	57
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	<1	483	557	2,542
Motor vehicle gasoline engine and engine parts manufacturing	<1	623	1,073	6,661
Motor vehicle electrical and electronic equipment manufacturing	<1	1,233	1,806	10,962
Motor vehicle transmission and power train parts manufacturing	<1	685	1,164	4,998
Motor vehicle seating and interior trim manufacturing	<1	148	194	1,142
Motor vehicle metal stamping	<1	540	740	4,819
Other motor vehicle parts manufacturing	<1	2,003	3,150	12,636

Appendix

Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	358	664	2,748
Aircraft manufacturing	<1	5	18	55
Aircraft engine and engine parts manufacturing	<1	8	23	61
Other aircraft parts and auxiliary equipment manufacturing	<1	2	4	9
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	<1	16	22	90
Ship building and repairing	<1	135	196	490
Boat building	<1	1,449	2,260	8,376
Motorcycle, bicycle, and parts manufacturing	<1	804	3,981	6,815
Military armored vehicle, tank, and tank component manufacturing	<1	452	1,365	4,444
All other transportation equipment manufacturing	<1	221	522	2,286
Wood kitchen cabinet and countertop manufacturing	<1	713	955	2,337
Upholstered household furniture manufacturing	<1	1,552	1,730	5,031
Nonupholstered wood household furniture manufacturing	<1	144	167	492
Other household nonupholstered furniture manufacturing	<1	99	146	448
Institutional furniture manufacturing	<1	67	72	227
Wood office furniture manufacturing	<1	<1	1	4
Custom architectural woodwork and millwork	<1	11	11	34
Office furniture, except wood, manufacturing	<1	27	43	129
Showcase, partition, shelving, and locker manufacturing	<1	206	288	825
Mattress manufacturing	<1	192	310	1,255
Blind and shade manufacturing	<1	44	46	170
Surgical and medical instrument manufacturing	<1	394	684	1,758
Surgical appliance and supplies manufacturing	<1	447	826	2,032
Dental equipment and supplies manufacturing	<1	51	82	210

Appendix

Ophthalmic goods manufacturing	<1	69	126	306
Dental laboratories	<1	252	261	484
Jewelry and silverware manufacturing	<1	335	496	1,377
Sporting and athletic goods manufacturing	<1	474	649	2,267
Doll, toy, and game manufacturing	<1	68	105	332
Office supplies (except paper) manufacturing	<1	261	366	1,149
Sign manufacturing	<1	2,210	1,916	4,204
Gasket, packing, and sealing device manufacturing	<1	203	245	621
Musical instrument manufacturing	<1	43	46	122
Fasteners, buttons, needles, and pins manufacturing	<1	6	8	25
Broom, brush, and mop manufacturing	<1	393	534	1,537
Burial casket manufacturing	<1	16	19	61
All other miscellaneous manufacturing	<1	882	1,146	3,128
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	5,408	10,894	25,771
Wholesale - Professional and commercial equipment and supplies	<1	23,683	35,727	64,106
Wholesale - Household appliances and electrical and electronic goods	<1	8,021	16,568	37,552
Wholesale - Machinery, equipment, and supplies	<1	14,773	25,369	45,368
Wholesale - Other durable goods merchant wholesalers	<1	19,291	30,393	61,195
Wholesale - Drugs and druggists' sundries	<1	7,741	19,621	37,533
Wholesale - Grocery and related product wholesalers	<1	12,115	15,718	31,769
Wholesale - Petroleum and petroleum products	<1	3,446	34,175	40,675
Wholesale - Other nondurable goods merchant wholesalers	<1	33,804	61,146	115,896
Wholesale - Wholesale electronic markets and agents and brokers	<1	11,612	11,964	14,005
Retail - Motor vehicle and parts dealers	<1	19,666	28,993	44,870
Retail - Furniture and home furnishings stores	<1	8,857	11,370	19,521
Retail - Electronics and appliance stores	<1	9,933	8,652	16,719

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Retail - Building material and garden equipment and supplies stores	<1	12,509	20,968	33,169
Retail - Food and beverage stores	1	29,638	38,420	67,992
Retail - Health and personal care stores	<1	18,884	22,798	36,417
Retail - Gasoline stores	<1	9,934	16,641	35,171
Retail - Clothing and clothing accessories stores	<1	9,164	13,881	32,216
Retail - Sporting goods, hobby, musical instrument and book stores	<1	8,028	10,434	18,406
Retail - General merchandise stores	1	33,644	45,449	77,288
Retail - Miscellaneous store retailers	<1	13,282	15,797	29,308
Retail - Nonstore retailers	<1	26,240	67,011	133,497
Air transportation	<1	5,309	11,830	24,542
Rail transportation	<1	4,928	13,922	21,719
Water transportation	<1	545	852	5,600
Truck transportation	<1	47,774	57,083	107,644
Transit and ground passenger transportation	<1	13,662	29,981	36,118
Pipeline transportation	<1	3,027	6,023	7,069
Scenic and sightseeing transportation and support activities for transportation	<1	27,396	30,204	65,428
Couriers and messengers	<1	11,690	14,801	26,317
Warehousing and storage	<1	21,631	24,563	47,070
Newspaper publishers	<1	5,356	8,961	11,724
Periodical publishers	<1	4,529	7,077	11,786
Book publishers	<1	3,770	11,298	18,732
Directory, mailing list, and other publishers	<1	869	2,308	3,398
Greeting card publishing	<1	93	245	342
Software publishers	<1	48,304	107,543	118,581
Motion picture and video industries	<1	3,504	4,906	20,506
Sound recording industries	<1	886	3,194	7,453
Radio and television broadcasting	<1	13,900	20,435	65,300
Cable and other subscription programming	<1	157	1,228	2,941
Wired telecommunications carriers	<1	18,263	55,575	92,371
Wireless telecommunications carriers (except satellite)	<1	3,087	27,967	64,401

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Satellite, telecommunications resellers, and all other telecommunications	<1	2,702	5,537	12,500
Data processing, hosting, and related services	<1	23,193	42,498	112,905
News syndicates, libraries, archives and all other information services	<1	441	557	1,376
Internet publishing and broadcasting and web search portals	<1	6,683	12,555	61,788
Nondepository credit intermediation and related activities	<1	17,809	21,468	38,628
Securities and commodity contracts intermediation and brokerage	<1	48,884	43,816	87,164
Monetary authorities and depository credit intermediation	2	125,519	272,895	531,648
Other financial investment activities	<1	36,862	45,522	120,088
Direct life insurance carriers	<1	21,719	49,599	64,801
Insurance carriers, except direct life	<1	44,974	189,006	344,721
Insurance agencies, brokerages, and related activities	<1	34,334	67,134	143,879
Funds, trusts, and other financial vehicles	<1	7,090	9,008	49,736
Other real estate	5	106,162	428,801	1,066,579
Tenant-occupied housing	<1	9,603	114,095	135,116
Owner-occupied dwellings	0	0	380,613	483,171
Automotive equipment rental and leasing	<1	3,590	11,429	19,733
General and consumer goods rental except video tapes and discs	<1	4,734	7,418	14,004
Video tape and disc rental	<1	1,732	2,927	4,848
Commercial and industrial machinery and equipment rental and leasing	<1	4,319	10,917	18,093
Lessors of nonfinancial intangible assets	<1	1,962	31,628	38,757
Legal services	2	162,918	243,749	350,232
Accounting, tax preparation, bookkeeping, and payroll services	<1	38,961	49,994	76,127
Architectural, engineering, and related services	1	88,580	95,613	172,982
Specialized design services	<1	3,777	5,677	8,848
Custom computer programming services	<1	22,177	25,116	36,115

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Computer systems design services	<1	26,038	25,866	33,905
Other computer related services, including facilities management	<1	6,427	10,544	19,049
Management consulting services	2	131,926	136,822	222,935
Environmental and other technical consulting services	<1	17,865	18,710	29,040
Scientific research and development services	39	2,950,899	4,207,407	8,458,757
Advertising, public relations, and related services	<1	39,753	52,400	101,663
Photographic services	<1	1,633	3,727	7,186
Veterinary services	<1	6,543	7,906	12,585
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	23,139	40,916	85,060
Management of companies and enterprises	3	325,225	382,217	628,807
Office administrative services	<1	31,937	10,744	29,573
Facilities support services	<1	2,023	2,877	5,955
Employment services	5	186,600	259,226	410,481
Business support services	<1	28,031	22,659	42,201
Travel arrangement and reservation services	<1	9,902	12,433	28,551
Investigation and security services	<1	9,620	9,285	14,219
Services to buildings	<1	25,699	33,793	69,358
Landscape and horticultural services	<1	21,199	25,046	44,035
Other support services	<1	10,128	12,503	26,250
Waste management and remediation services	<1	12,368	20,223	38,333
Elementary and secondary schools	<1	7,603	6,193	7,432
Junior colleges, colleges, universities, and professional schools	3	170,088	219,321	290,172
Other educational services	<1	8,735	9,841	19,938
Offices of physicians	1	159,163	168,933	225,282
Offices of dentists	<1	30,483	39,297	53,887
Offices of other health practitioners	<1	20,066	30,450	41,282
Outpatient care centers	<1	32,677	30,272	49,581
Medical and diagnostic laboratories	<1	12,746	18,902	23,698
Home health care services	<1	15,428	14,996	19,635
Other ambulatory health care services	<1	6,369	7,332	12,849

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Hospitals	3	197,086	232,418	460,383
Nursing and community care facilities	<1	36,863	38,783	71,496
Residential mental retardation, mental health, substance abuse and other facilities	<1	13,836	14,246	23,064
Individual and family services	1	37,445	33,478	51,125
Child day care services	<1	10,995	17,146	23,232
Community food, housing, and other relief services, including rehabilitation services	<1	10,270	10,150	23,650
Performing arts companies	<1	2,386	4,312	7,820
Commercial Sports Except Racing	<1	14,937	13,625	21,646
Racing and Track Operation	<1	563	1,068	1,961
Independent artists, writers, and performers	<1	1,933	11,435	15,034
Promoters of performing arts and sports and agents for public figures	<1	2,469	6,761	13,783
Museums, historical sites, zoos, and parks	<1	1,613	2,232	4,097
Amusement parks and arcades	<1	543	2,088	2,834
Gambling industries (except casino hotels)	<1	4,009	7,717	15,826
Other amusement and recreation industries	<1	6,498	8,020	16,877
Fitness and recreational sports centers	<1	3,463	5,784	11,287
Bowling centers	<1	741	1,427	2,856
Hotels and motels, including casino hotels	<1	5,970	10,787	19,082
Other accommodations	<1	2,098	2,856	3,946
Full-service restaurants	3	49,963	75,364	143,492
Limited-service restaurants	2	33,935	55,538	129,100
All other food and drinking places	2	40,283	55,900	93,275
Automotive repair and maintenance, except car washes	<1	40,781	46,522	71,139
Car washes	<1	19,201	28,670	45,225
Electronic and precision equipment repair and maintenance	<1	12,227	15,079	25,021
Commercial and industrial machinery and equipment repair and maintenance	<1	19,297	19,837	29,922
Personal and household goods repair and maintenance	<1	4,607	8,705	12,936
Personal care services	<1	15,910	14,557	19,420
Death care services	<1	4,194	2,941	4,106

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Dry-cleaning and laundry services	<1	10,882	7,176	9,491
Other personal services	<1	8,267	10,564	15,687
Religious organizations	1	54,460	32,202	104,914
Grantmaking, giving, and social advocacy organizations	<1	7,465	26,568	41,951
Business and professional associations	<1	9,036	16,905	29,185
Labor and civic organizations	<1	6,570	21,122	42,793
Private households	<1	3,654	3,654	3,654
Postal service	<1	21,595	21,608	23,100
Federal electric utilities	0	0	0	0
Other federal government enterprises	<1	453	-729	239
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	0	0	0	0
Local government passenger transit	<1	3,557	-2,777	2,969
Local government electric utilities	<1	1,479	4,028	7,681
Other local government enterprises	<1	25,725	53,660	115,196
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	<1	66,473	177,439	405,932

Wyoming

NASA

Table 778: Detailed NASA Impacts by Types of Impact, Wyoming

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	39	2,232,739	3,289,348	7,281,014
Oilseed farming	<1	0	<1	29
Grain farming	<1	408	1,436	4,567
Vegetable and melon farming	<1	19	38	62
Fruit farming	<1	14	30	36
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	63	91	128
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	232	326	501
All other crop farming	<1	728	1,044	1,584
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	49	890	4,193
Dairy cattle and milk production	<1	7	24	132
Poultry and egg production	<1	42	74	494
Animal production, except cattle and poultry and eggs	<1	1,232	7,166	10,827
Forestry, forest products, and timber tract production	<1	112	91	102
Commercial logging	<1	123	102	121
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	330	241	300
Support activities for agriculture and forestry	<1	3,210	172	1,556
Oil and gas extraction	<1	3,294	14,997	29,083
Coal mining	<1	8,083	21,143	28,574
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	375	820	1,179
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	94	404	653
Sand and gravel mining	<1	258	678	1,042

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Other clay, ceramic, refractory minerals mining	<1	38	90	137
Potash, soda, and borate mineral mining	<1	135	240	273
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	12	30	43
Other nonmetallic minerals	<1	33	76	115
Drilling oil and gas wells	<1	1	3	6
Support activities for oil and gas operations	<1	128	179	374
Metal mining services	<1	53	242	551
Other nonmetallic minerals services	<1	12	48	110
Electric power generation - Hydroelectric	<1	39	99	221
Electric power generation - Fossil fuel	<1	4,187	13,270	40,587
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	142	1,025	2,615
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	5,806	17,659	53,407
Natural gas distribution	<1	2,978	6,741	17,140
Water, sewage and other systems	<1	123	239	601
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0

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Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	8,673	13,952	31,836
Maintenance and repair construction of residential structures	<1	2,649	4,141	9,519
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	3	5	12
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	27	38	510
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	2	2	48
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	29	33	423
Beet sugar manufacturing	<1	96	97	997
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	4	4	30
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	1	1	18
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	8	8	74
Frozen cakes and other pastries manufacturing	<1	28	41	78

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Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	25	27	487
Meat processed from carcasses	<1	16	15	196
Rendering and meat byproduct processing	<1	<1	<1	4
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	66	89	268
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	15	17	92
Other snack food manufacturing	<1	14	17	92
Coffee and tea manufacturing	<1	1	1	24
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	3	3	34
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	380	396	1,951
Manufactured ice	<1	23	10	68
Breweries	<1	69	89	416
Wineries	<1	3	4	42
Distilleries	<1	25	56	191
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	2	4	26
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	1
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	<1	1	4
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	<1	1	3	13
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	3
Textile bag and canvas mills	<1	2	4	14
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	42	67	174
Hosiery and sock mills	<1	<1	<1	2

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Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	7
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	2
Apparel accessories and other apparel manufacturing	<1	<1	<1	2
Leather and hide tanning and finishing	<1	<1	0	15
Footwear manufacturing	<1	<1	<1	11
Other leather and allied product manufacturing	<1	<1	<1	3
Sawmills	<1	91	106	524
Wood preservation	<1	4	6	37
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	17	20	85
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	8	8	34
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	11	12	52
All other miscellaneous wood product manufacturing	<1	16	17	77
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0

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Printing	<1	723	1,112	3,262
Support activities for printing	<1	7	9	23
Petroleum refineries	<1	2,827	9,677	91,546
Asphalt paving mixture and block manufacturing	<1	34	43	331
Asphalt shingle and coating materials manufacturing	<1	17	36	135
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	48	91	236
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	482	990	3,002
Other basic organic chemical manufacturing	<1	32	62	375
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	40	91	275
Phosphatic fertilizer manufacturing	<1	95	193	635
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	165	449	1,754
Medicinal and botanical manufacturing	<1	4	6	14
Pharmaceutical preparation manufacturing	<1	5	18	85
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	7	13	26
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	12	35	89
Printing ink manufacturing	<1	2	2	8

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Explosives manufacturing	<1	11	13	39
Custom compounding of purchased resins	<1	6	10	39
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	19	31	129
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	5	30	72
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	95	209	625
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	47	96	294
Pottery, ceramics, and plumbing fixture manufacturing	<1	5	7	15
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	50	135	302
Ready-mix concrete manufacturing	<1	519	957	3,004
Concrete block and brick manufacturing	<1	101	201	427
Concrete pipe manufacturing	<1	23	43	92
Other concrete product manufacturing	<1	39	58	153
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	117	350	857

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Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	8	10	22
Ground or treated mineral and earth manufacturing	<1	30	90	220
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	15	24	134
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	4	6	19
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	14	22	86
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	10	16	38
Prefabricated metal buildings and components manufacturing	<1	11	15	49
Fabricated structural metal manufacturing	<1	59	87	302
Plate work manufacturing	<1	8	9	28
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	3	4	13

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Ornamental and architectural metal work manufacturing	<1	13	17	71
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	16	21	61
Metal cans manufacturing	<1	5	12	73
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	13	18	60
Machine shops	<1	195	238	487
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	1	2	5
Metal coating and nonprecious engraving	<1	1	2	8
Electroplating, anodizing, and coloring metal	<1	2	2	5
Valve and fittings, other than plumbing, manufacturing	<1	1	2	9
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	<1	<1	2
Ammunition, except for small arms, manufacturing	<1	3	3	9
Small arms, ordnance, and accessories manufacturing	<1	17	32	86
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	10	14	51
Farm machinery and equipment manufacturing	<1	1	<1	7
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	8	6	49
Mining machinery and equipment manufacturing	<1	<1	<1	3
Oil and gas field machinery and equipment manufacturing	<1	66	58	285
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0

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Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	2
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	7	6	32
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	2	2	4
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	3
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	2
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0

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Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	2
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	5	5	15
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	1
Electronic computer manufacturing	<1	<1	<1	3
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	5	7	19

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Industrial process variable instruments manufacturing	<1	4	6	17
Totalizing fluid meter and counting device manufacturing	<1	1	3	9
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	2
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	4
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	3
Motor and generator manufacturing	<1	12	14	55
Switchgear and switchboard apparatus manufacturing	<1	5	6	21
Relay and industrial control manufacturing	<1	2	3	7
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	3	3	22
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	13	16	92
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0

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Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	2	2	11
Truck trailer manufacturing	<1	<1	<1	1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	2	2	14
Motor vehicle electrical and electronic equipment manufacturing	<1	2	3	15
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	22	21	137
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	127	134	798
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	2
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	38	39	207
Upholstered household furniture manufacturing	0	0	0	0

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Nonupholstered wood household furniture manufacturing	<1	<1	<1	4
Other household nonupholstered furniture manufacturing	<1	<1	1	12
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	<1	<1	8
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	2
Dental laboratories	<1	1	1	4
Jewelry and silverware manufacturing	<1	7	9	34
Sporting and athletic goods manufacturing	<1	<1	<1	10
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	5
Sign manufacturing	<1	122	91	591
Gasket, packing, and sealing device manufacturing	<1	4	4	29
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	8	7	45
All other miscellaneous manufacturing	<1	2	1	16
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	1,462	2,504	6,654
Wholesale - Professional and commercial equipment and supplies	<1	1,054	1,448	2,982

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Wholesale - Household appliances and electrical and electronic goods	<1	1,632	2,873	7,212
Wholesale - Machinery, equipment, and supplies	<1	5,291	7,874	14,514
Wholesale - Other durable goods merchant wholesalers	<1	3,343	5,095	10,605
Wholesale - Drugs and druggists' sundries	<1	1,290	2,692	6,295
Wholesale - Grocery and related product wholesalers	<1	3,272	3,916	8,878
Wholesale - Petroleum and petroleum products	<1	1,385	9,048	11,903
Wholesale - Other nondurable goods merchant wholesalers	<1	6,705	10,726	22,805
Wholesale - Wholesale electronic markets and agents and brokers	<1	623	636	762
Retail - Motor vehicle and parts dealers	<1	5,371	8,923	13,133
Retail - Furniture and home furnishings stores	<1	2,151	3,039	5,223
Retail - Electronics and appliance stores	<1	2,361	2,561	4,628
Retail - Building material and garden equipment and supplies stores	<1	3,314	6,525	9,783
Retail - Food and beverage stores	<1	7,599	10,672	17,516
Retail - Health and personal care stores	<1	3,272	4,256	7,111
Retail - Gasoline stores	<1	2,848	4,978	9,061
Retail - Clothing and clothing accessories stores	<1	2,517	4,093	8,230
Retail - Sporting goods, hobby, musical instrument and book stores	<1	1,905	2,791	5,018
Retail - General merchandise stores	<1	8,353	12,709	20,411
Retail - Miscellaneous store retailers	<1	3,777	5,107	9,043
Retail - Nonstore retailers	<1	3,747	12,948	34,047
Air transportation	<1	4,831	2,323	10,578
Rail transportation	<1	1,122	7,288	8,780
Water transportation	<1	93	1,178	1,892
Truck transportation	<1	10,819	13,281	25,536
Transit and ground passenger transportation	<1	1,996	2,851	3,679
Pipeline transportation	<1	13,871	15,171	14,950
Scenic and sightseeing transportation and support activities for transportation	<1	14,612	17,009	34,041

Appendix

Couriers and messengers	<1	3,645	6,689	9,416
Warehousing and storage	<1	2,864	3,268	6,847
Newspaper publishers	<1	3,226	7,844	10,022
Periodical publishers	<1	708	1,547	2,600
Book publishers	<1	69	356	571
Directory, mailing list, and other publishers	<1	168	762	977
Greeting card publishing	0	0	0	0
Software publishers	<1	502	1,647	1,866
Motion picture and video industries	<1	1,961	2,373	7,519
Sound recording industries	<1	26	98	500
Radio and television broadcasting	<1	3,436	4,385	22,170
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	<1	6,128	12,536	25,350
Wireless telecommunications carriers (except satellite)	<1	733	4,547	13,254
Satellite, telecommunications resellers, and all other telecommunications	<1	305	408	1,107
Data processing, hosting, and related services	<1	1,749	4,999	14,004
News syndicates, libraries, archives and all other information services	<1	144	281	605
Internet publishing and broadcasting and web search portals	<1	2,306	6,123	20,545
Nondepository credit intermediation and related activities	<1	2,757	3,564	6,539
Securities and commodity contracts intermediation and brokerage	<1	4,623	4,736	33,417
Monetary authorities and depository credit intermediation	<1	30,793	70,713	139,006
Other financial investment activities	<1	1,561	3,914	25,611
Direct life insurance carriers	<1	52	121	207
Insurance carriers, except direct life	<1	4,502	17,899	42,720
Insurance agencies, brokerages, and related activities	<1	6,733	11,387	33,789
Funds, trusts, and other financial vehicles	<1	3,852	4,413	29,763
Other real estate	3	60,288	175,344	545,845
Tenant-occupied housing	<1	2,907	37,256	43,958

Appendix

Owner-occupied dwellings	0	0	125,909	159,836
Automotive equipment rental and leasing	<1	879	2,297	4,058
General and consumer goods rental except video tapes and discs	<1	1,805	2,294	4,574
Video tape and disc rental	<1	443	719	1,152
Commercial and industrial machinery and equipment rental and leasing	<1	2,963	7,471	11,489
Lessors of nonfinancial intangible assets	<1	393	9,263	10,315
Legal services	<1	42,535	56,189	94,556
Accounting, tax preparation, bookkeeping, and payroll services	<1	9,965	12,631	20,469
Architectural, engineering, and related services	<1	21,656	23,510	45,662
Specialized design services	<1	726	1,078	1,564
Custom computer programming services	<1	2,271	2,572	3,674
Computer systems design services	<1	3,427	3,433	4,548
Other computer related services, including facilities management	<1	1,147	2,028	3,826
Management consulting services	<1	34,621	35,803	60,858
Environmental and other technical consulting services	<1	12,603	13,103	20,497
Scientific research and development services	18	1,158,897	1,406,291	3,303,199
Advertising, public relations, and related services	<1	5,444	7,558	16,719
Photographic services	<1	263	588	1,333
Veterinary services	<1	1,627	1,951	3,210
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	23,792	40,203	74,520
Management of companies and enterprises	<1	17,551	25,367	56,426
Office administrative services	<1	9,623	4,780	11,081
Facilities support services	<1	765	1,089	3,026
Employment services	<1	36,620	51,510	78,961
Business support services	<1	3,411	3,062	5,527
Travel arrangement and reservation services	<1	1,116	1,402	3,806
Investigation and security services	<1	3,556	3,468	5,265
Services to buildings	<1	5,302	7,029	15,000
Landscape and horticultural services	<1	7,972	9,429	17,779

Appendix

Other support services	<1	3,041	3,708	8,319
Waste management and remediation services	<1	3,596	5,723	11,593
Elementary and secondary schools	<1	1,400	1,210	1,500
Junior colleges, colleges, universities, and professional schools	<1	23,125	30,908	47,955
Other educational services	<1	2,270	2,570	5,806
Offices of physicians	<1	28,007	28,903	41,135
Offices of dentists	<1	7,339	8,510	12,926
Offices of other health practitioners	<1	6,317	8,114	11,293
Outpatient care centers	<1	6,590	5,891	10,989
Medical and diagnostic laboratories	<1	2,530	3,214	4,311
Home health care services	<1	1,555	1,470	1,889
Other ambulatory health care services	<1	1,849	1,987	3,383
Hospitals	<1	16,909	20,061	39,028
Nursing and community care facilities	<1	6,792	7,680	13,128
Residential mental retardation, mental health, substance abuse and other facilities	<1	3,064	3,330	5,117
Individual and family services	<1	8,388	7,144	11,336
Child day care services	<1	2,840	3,986	5,473
Community food, housing, and other relief services, including rehabilitation services	<1	2,106	2,074	4,793
Performing arts companies	<1	718	1,126	3,083
Commercial Sports Except Racing	<1	182	180	528
Racing and Track Operation	<1	41	78	188
Independent artists, writers, and performers	<1	967	3,857	8,610
Promoters of performing arts and sports and agents for public figures	<1	913	2,036	7,167
Museums, historical sites, zoos, and parks	<1	605	765	1,380
Amusement parks and arcades	<1	37	132	178
Gambling industries (except casino hotels)	<1	1,920	4,536	7,366
Other amusement and recreation industries	<1	1,335	2,708	4,298
Fitness and recreational sports centers	<1	740	1,809	2,884
Bowling centers	<1	191	415	691

Appendix

Hotels and motels, including casino hotels	<1	800	1,304	2,209
Other accommodations	<1	139	203	272
Full-service restaurants	<1	16,931	24,022	45,100
Limited-service restaurants	<1	10,712	17,389	39,567
All other food and drinking places	<1	11,384	18,131	28,588
Automotive repair and maintenance, except car washes	<1	11,337	13,054	19,926
Car washes	<1	5,246	8,462	12,896
Electronic and precision equipment repair and maintenance	<1	1,360	1,594	3,081
Commercial and industrial machinery and equipment repair and maintenance	<1	6,705	5,220	8,664
Personal and household goods repair and maintenance	<1	954	1,809	2,833
Personal care services	<1	3,255	3,047	4,231
Death care services	<1	793	597	909
Dry-cleaning and laundry services	<1	2,553	1,812	2,536
Other personal services	<1	2,411	3,077	4,682
Religious organizations	<1	7,633	4,155	13,234
Grantmaking, giving, and social advocacy organizations	<1	2,014	6,679	10,332
Business and professional associations	<1	2,190	3,955	7,722
Labor and civic organizations	<1	1,302	3,891	7,839
Private households	<1	878	878	878
Postal service	<1	5,469	5,470	5,850
Federal electric utilities	<1	153	235	1,069
Other federal government enterprises	<1	160	-44	442
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	375	448	800
Local government passenger transit	<1	521	-627	106
Local government electric utilities	<1	2	4	9
Other local government enterprises	<1	13,998	27,977	56,069
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0

Appendix

* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	2	258,896	413,636	946,287

Moon to Mars Campaign

Table 779: Detailed M2M Campaign Impacts by Types of Impact, Wyoming

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	2	219,908	294,707	643,115
Oilseed farming	<1	0	<1	2
Grain farming	<1	12	43	128
Vegetable and melon farming	<1	2	4	6
Fruit farming	<1	1	3	4
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	4	6	9
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	15	20	31
All other crop farming	<1	44	65	98
Beef cattle ranching and farming, including feedlots and dual- purpose ranching and farming	<1	2	23	93
Dairy cattle and milk production	<1	<1	<1	3
Poultry and egg production	<1	3	6	38
Animal production, except cattle and poultry and eggs	<1	24	151	230
Forestry, forest products, and timber tract production	<1	2	1	1
Commercial logging	<1	5	4	5
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	42	21	25
Support activities for agriculture and forestry	<1	39	2	19
Oil and gas extraction	<1	149	824	1,745

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Coal mining	<1	228	556	770
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	<1	<1	<1
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	3	10	17
Sand and gravel mining	<1	4	9	13
Other clay, ceramic, refractory minerals mining	<1	2	4	6
Potash, soda, and borate mineral mining	<1	5	9	10
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	<1	<1	1
Other nonmetallic minerals	<1	<1	<1	<1
Drilling oil and gas wells	<1	<1	<1	<1
Support activities for oil and gas operations	<1	3	5	10
Metal mining services	<1	<1	3	6
Other nonmetallic minerals services	<1	<1	<1	2
Electric power generation - Hydroelectric	<1	2	4	9
Electric power generation - Fossil fuel	<1	257	798	2,249
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	5	38	94
Electric power generation - Geothermal	0	0	0	0
Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	293	910	2,605
Natural gas distribution	<1	146	340	835
Water, sewage and other systems	<1	10	19	46
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0

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Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	213	346	778
Maintenance and repair construction of residential structures	<1	275	431	975
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	<1	<1	1
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	<1	1	16
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	3
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	2	3	31
Beet sugar manufacturing	<1	7	7	68
Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	<1	<1	3
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	2
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0

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Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	<1	<1	6
Frozen cakes and other pastries manufacturing	<1	3	4	8
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	2	2	36
Meat processed from carcasses	<1	1	1	18
Rendering and meat byproduct processing	<1	<1	<1	<1
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	7	9	27
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	2	2	9
Other snack food manufacturing	<1	1	2	9
Coffee and tea manufacturing	<1	<1	<1	2
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	4
All other food manufacturing	0	0	0	0
Bottled and canned soft drinks & water	<1	35	37	177
Manufactured ice	<1	2	1	6
Breweries	<1	6	9	39
Wineries	<1	<1	<1	5
Distilleries	<1	2	6	18
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	<1	1
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1

Appendix

Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	<1	<1	<1
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	<1	<1	<1	1
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	<1
Textile bag and canvas mills	<1	<1	<1	<1
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	3	5	14
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	<1
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	<1	0	1
Footwear manufacturing	<1	<1	<1	1
Other leather and allied product manufacturing	<1	<1	<1	<1
Sawmills	<1	3	4	21
Wood preservation	<1	<1	<1	1
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	<1	<1	3
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0
Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	<1	<1	3
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	<1	<1	3
All other miscellaneous wood product manufacturing	<1	<1	1	4
Pulp mills	0	0	0	0

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Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	23	36	102
Support activities for printing	<1	<1	<1	<1
Petroleum refineries	<1	198	664	6,308
Asphalt paving mixture and block manufacturing	<1	2	2	16
Asphalt shingle and coating materials manufacturing	<1	<1	1	6
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	2	4	9
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	12	25	75
Other basic organic chemical manufacturing	<1	2	3	20
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0
Nitrogenous fertilizer manufacturing	<1	1	3	10
Phosphatic fertilizer manufacturing	<1	4	7	25
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	8	23	92
Medicinal and botanical manufacturing	<1	<1	<1	1
Pharmaceutical preparation manufacturing	<1	<1	2	11
In-vitro diagnostic substance manufacturing	0	0	0	0

Appendix

Biological product (except diagnostic) manufacturing	<1	<1	1	2
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	1	4	10
Printing ink manufacturing	<1	<1	<1	<1
Explosives manufacturing	<1	<1	<1	2
Custom compounding of purchased resins	<1	<1	<1	3
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	<1	1	5
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	<1	1	3
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	3	8	22
Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	<1	<1	2
Pottery, ceramics, and plumbing fixture manufacturing	<1	<1	<1	<1
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0

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Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	1	3	7
Ready-mix concrete manufacturing	<1	11	19	62
Concrete block and brick manufacturing	<1	3	6	13
Concrete pipe manufacturing	<1	<1	1	3
Other concrete product manufacturing	<1	1	2	4
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	3	10	24
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	<1	<1	<1
Ground or treated mineral and earth manufacturing	<1	1	3	8
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	<1	<1	3
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0
Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	<1	<1	<1
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	<1	<1	2

Appendix

Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	<1	1	3
Prefabricated metal buildings and components manufacturing	<1	<1	<1	<1
Fabricated structural metal manufacturing	<1	<1	<1	3
Plate work manufacturing	<1	<1	<1	1
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	<1	<1	<1
Ornamental and architectural metal work manufacturing	<1	<1	<1	1
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	<1	<1	1
Metal cans manufacturing	<1	<1	1	7
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	<1	<1	2
Machine shops	<1	8	10	20
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	<1	<1	<1
Metal coating and nonprecious engraving	<1	<1	<1	<1
Electroplating, anodizing, and coloring metal	<1	<1	<1	<1
Valve and fittings, other than plumbing, manufacturing	<1	<1	<1	<1
Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	<1	<1	<1
Ammunition, except for small arms, manufacturing	<1	<1	<1	<1
Small arms, ordnance, and accessories manufacturing	<1	2	3	9
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	<1	<1	2
Farm machinery and equipment manufacturing	<1	<1	<1	<1

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Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	<1	<1	1
Mining machinery and equipment manufacturing	<1	<1	<1	<1
Oil and gas field machinery and equipment manufacturing	<1	2	2	9
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	<1
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	<1	<1	2
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	<1	<1	<1
Special tool, die, jig, and fixture manufacturing	0	0	0	0
Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0

Appendix

Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	<1	<1	<1
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0
Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0

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Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	<1	<1	<1
Industrial process variable instruments manufacturing	<1	<1	<1	<1
Totalizing fluid meter and counting device manufacturing	<1	<1	<1	<1
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	<1
Small electrical appliance manufacturing	0	0	0	0
Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	<1
Motor and generator manufacturing	<1	<1	<1	2
Switchgear and switchboard apparatus manufacturing	<1	<1	<1	<1

Appendix

Relay and industrial control manufacturing	<1	<1	<1	<1
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	<1	<1	<1
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	<1	<1	<1
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	<1	<1	<1
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	<1
Motor vehicle electrical and electronic equipment manufacturing	<1	<1	<1	<1
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	<1	<1	6
Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	8	8	46
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0

Appendix

Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	1	1	7
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	<1
Other household nonupholstered furniture manufacturing	<1	<1	<1	1
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	<1	<1	<1
Dental equipment and supplies manufacturing	0	0	0	0
Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	<1	<1	<1
Jewelry and silverware manufacturing	<1	<1	<1	3
Sporting and athletic goods manufacturing	<1	<1	<1	<1
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	<1
Sign manufacturing	<1	3	3	17
Gasket, packing, and sealing device manufacturing	<1	<1	<1	1

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Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	<1	<1	3
All other miscellaneous manufacturing	<1	<1	<1	1
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	107	185	491
Wholesale - Professional and commercial equipment and supplies	<1	73	100	206
Wholesale - Household appliances and electrical and electronic goods	<1	83	149	374
Wholesale - Machinery, equipment, and supplies	<1	142	215	397
Wholesale - Other durable goods merchant wholesalers	<1	201	309	642
Wholesale - Drugs and druggists' sundries	<1	116	241	554
Wholesale - Grocery and related product wholesalers	<1	296	354	799
Wholesale - Petroleum and petroleum products	<1	91	749	963
Wholesale - Other nondurable goods merchant wholesalers	<1	486	807	1,679
Wholesale - Wholesale electronic markets and agents and brokers	<1	46	47	56
Retail - Motor vehicle and parts dealers	<1	499	830	1,214
Retail - Furniture and home furnishings stores	<1	221	312	532
Retail - Electronics and appliance stores	<1	241	265	470
Retail - Building material and garden equipment and supplies stores	<1	269	532	795
Retail - Food and beverage stores	<1	837	1,168	1,894
Retail - Health and personal care stores	<1	337	440	735
Retail - Gasoline stores	<1	291	493	873
Retail - Clothing and clothing accessories stores	<1	271	438	864
Retail - Sporting goods, hobby, musical instrument and book stores	<1	193	283	503
Retail - General merchandise stores	<1	821	1,256	2,016

Appendix

Retail - Miscellaneous store retailers	<1	392	529	919
Retail - Nonstore retailers	<1	371	1,364	3,543
Air transportation	<1	284	139	631
Rail transportation	<1	63	350	449
Water transportation	<1	3	35	55
Truck transportation	<1	783	958	1,842
Transit and ground passenger transportation	<1	138	194	245
Pipeline transportation	<1	521	647	654
Scenic and sightseeing transportation and support activities for transportation	<1	309	361	728
Couriers and messengers	<1	226	421	591
Warehousing and storage	<1	234	267	556
Newspaper publishers	<1	110	272	343
Periodical publishers	<1	34	75	122
Book publishers	<1	4	20	31
Directory, mailing list, and other publishers	<1	5	22	28
Greeting card publishing	0	0	0	0
Software publishers	<1	31	106	120
Motion picture and video industries	<1	181	218	631
Sound recording industries	<1	2	8	41
Radio and television broadcasting	<1	149	184	804
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	<1	414	802	1,619
Wireless telecommunications carriers (except satellite)	<1	46	289	843
Satellite, telecommunications resellers, and all other telecommunications	<1	17	22	60
Data processing, hosting, and related services	<1	67	189	549
News syndicates, libraries, archives and all other information services	<1	8	16	33
Internet publishing and broadcasting and web search portals	<1	66	182	740
Nondepository credit intermediation and related activities	<1	251	326	579
Securities and commodity contracts intermediation and brokerage	<1	392	394	2,561

Appendix

Monetary authorities and depository credit intermediation	<1	1,440	3,338	6,481
Other financial investment activities	<1	178	436	2,556
Direct life insurance carriers	<1	5	12	20
Insurance carriers, except direct life	<1	331	1,386	3,164
Insurance agencies, brokerages, and related activities	<1	440	769	2,196
Funds, trusts, and other financial vehicles	<1	465	547	3,157
Other real estate	<1	928	2,607	7,626
Tenant-occupied housing	<1	327	4,316	4,998
Owner-occupied dwellings	0	0	14,242	18,080
Automotive equipment rental and leasing	<1	75	169	286
General and consumer goods rental except video tapes and discs	<1	139	169	323
Video tape and disc rental	<1	46	74	119
Commercial and industrial machinery and equipment rental and leasing	<1	135	319	480
Lessors of nonfinancial intangible assets	<1	6	156	174
Legal services	<1	470	633	1,052
Accounting, tax preparation, bookkeeping, and payroll services	<1	342	443	705
Architectural, engineering, and related services	<1	143	157	300
Specialized design services	<1	32	48	70
Custom computer programming services	<1	66	75	107
Computer systems design services	<1	96	96	127
Other computer related services, including facilities management	<1	28	49	92
Management consulting services	<1	319	332	560
Environmental and other technical consulting services	<1	227	239	372
Scientific research and development services	<1	133	159	371
Advertising, public relations, and related services	<1	166	234	504
Photographic services	<1	12	29	64
Veterinary services	<1	145	178	287
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	173	284	552

Appendix

Management of companies and enterprises	<1	289	420	921
Office administrative services	<1	180	91	205
Facilities support services	<1	18	26	76
Employment services	<1	463	656	992
Business support services	<1	81	73	130
Travel arrangement and reservation services	<1	37	46	126
Investigation and security services	<1	119	117	175
Services to buildings	<1	128	172	356
Landscape and horticultural services	<1	215	257	475
Other support services	<1	92	113	252
Waste management and remediation services	<1	130	206	415
Elementary and secondary schools	<1	177	153	187
Junior colleges, colleges, universities, and professional schools	<1	174	232	346
Other educational services	<1	254	289	633
Offices of physicians	<1	2,959	3,068	4,365
Offices of dentists	<1	786	926	1,392
Offices of other health practitioners	<1	660	867	1,197
Outpatient care centers	<1	716	644	1,213
Medical and diagnostic laboratories	<1	276	358	474
Home health care services	<1	166	158	204
Other ambulatory health care services	<1	199	215	364
Hospitals	<1	2,013	2,372	4,590
Nursing and community care facilities	<1	760	860	1,443
Residential mental retardation, mental health, substance abuse and other facilities	<1	374	407	616
Individual and family services	<1	940	808	1,269
Child day care services	<1	316	450	607
Community food, housing, and other relief services, including rehabilitation services	<1	254	251	568
Performing arts companies	<1	69	106	276
Commercial Sports Except Racing	<1	11	10	31
Racing and Track Operation	<1	5	9	20
Independent artists, writers, and performers	<1	46	174	387

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Promoters of performing arts and sports and agents for public figures	<1	67	147	498
Museums, historical sites, zoos, and parks	<1	65	82	146
Amusement parks and arcades	<1	4	14	19
Gambling industries (except casino hotels)	<1	218	501	804
Other amusement and recreation industries	<1	125	244	384
Fitness and recreational sports centers	<1	75	175	277
Bowling centers	<1	20	42	69
Hotels and motels, including casino hotels	<1	63	101	170
Other accommodations	<1	17	25	33
Full-service restaurants	<1	1,292	1,852	3,429
Limited-service restaurants	<1	1,046	1,710	3,796
All other food and drinking places	<1	745	1,189	1,842
Automotive repair and maintenance, except car washes	<1	987	1,105	1,688
Car washes	<1	478	770	1,168
Electronic and precision equipment repair and maintenance	<1	35	41	77
Commercial and industrial machinery and equipment repair and maintenance	<1	266	203	338
Personal and household goods repair and maintenance	<1	46	87	137
Personal care services	<1	368	333	463
Death care services	<1	99	65	102
Dry-cleaning and laundry services	<1	146	92	133
Other personal services	<1	187	236	357
Religious organizations	<1	873	413	1,454
Grantmaking, giving, and social advocacy organizations	<1	251	780	1,212
Business and professional associations	<1	137	237	457
Labor and civic organizations	<1	159	447	916
Private households	<1	100	100	100
Postal service	<1	314	314	336
Federal electric utilities	<1	3	5	24
Other federal government enterprises	<1	15	-5	41
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0

Appendix

Other state government enterprises	<1	11	14	23
Local government passenger transit	<1	32	-39	6
Local government electric utilities	<1	<1	<1	<1
Other local government enterprises	<1	634	1,211	2,440
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	1	178,343	212,984	487,250

Investments in Climate Change Research and Technology

Table 780: Detailed Investments in Climate Change Research and Technology Impacts by Types of Impact, Wyoming

Industry Description	Employment	Labor Income (\$)	Value Added (\$)	Output (\$)
<i>Total</i>	<i>17</i>	<i>872,515</i>	<i>1,276,629</i>	<i>2,865,527</i>
Oilseed farming	<1	0	<1	10
Grain farming	<1	178	525	1,923
Vegetable and melon farming	<1	7	14	23
Fruit farming	<1	5	10	13
Tree nut farming	0	0	0	0
Greenhouse, nursery, and floriculture production	<1	24	36	52
Tobacco farming	0	0	0	0
Cotton farming	0	0	0	0
Sugarcane and sugar beet farming	<1	111	159	251
All other crop farming	<1	350	502	786
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	<1	30	548	2,498

Appendix

Dairy cattle and milk production	<1	3	9	48
Poultry and egg production	<1	20	34	245
Animal production, except cattle and poultry and eggs	<1	795	3,866	5,620
Forestry, forest products, and timber tract production	<1	47	38	44
Commercial logging	<1	54	45	55
Commercial fishing	0	0	0	0
Commercial hunting and trapping	<1	130	119	138
Support activities for agriculture and forestry	<1	1,740	95	850
Oil and gas extraction	<1	1,723	7,674	14,403
Coal mining	<1	5,525	18,263	24,678
Copper, nickel, lead, and zinc mining	0	0	0	0
Iron ore mining	0	0	0	0
Gold ore mining	0	0	0	0
Silver ore mining	0	0	0	0
Uranium-radium-vanadium ore mining	<1	397	808	1,176
Other metal ore mining	0	0	0	0
Stone mining and quarrying	<1	41	210	324
Sand and gravel mining	<1	117	329	502
Other clay, ceramic, refractory minerals mining	<1	20	51	73
Potash, soda, and borate mineral mining	<1	59	108	121
Phosphate rock mining	0	0	0	0
Other chemical and fertilizer mineral mining	<1	6	17	25
Other nonmetallic minerals	<1	12	31	47
Drilling oil and gas wells	<1	<1	2	4
Support activities for oil and gas operations	<1	65	90	182
Metal mining services	<1	39	182	385
Other nonmetallic minerals services	<1	8	30	63
Electric power generation - Hydroelectric	<1	16	39	87
Electric power generation - Fossil fuel	<1	1,663	5,492	17,465
Electric power generation - Nuclear	0	0	0	0
Electric power generation - Solar	0	0	0	0
Electric power generation - Wind	<1	81	566	1,534
Electric power generation - Geothermal	0	0	0	0

Appendix

Electric power generation - Biomass	0	0	0	0
Electric power generation - All other	0	0	0	0
Electric power transmission and distribution	<1	2,550	8,022	24,728
Natural gas distribution	<1	1,057	2,380	6,215
Water, sewage and other systems	<1	50	100	257
Construction of new health care structures	0	0	0	0
Construction of new manufacturing structures	0	0	0	0
Construction of new power and communication structures	0	0	0	0
Construction of new educational and vocational structures	0	0	0	0
Construction of new highways and streets	0	0	0	0
Construction of new commercial structures, including farm structures	0	0	0	0
Construction of other new nonresidential structures	0	0	0	0
Construction of new single-family residential structures	0	0	0	0
Construction of new multifamily residential structures	0	0	0	0
Construction of other new residential structures	0	0	0	0
Maintenance and repair construction of nonresidential structures	<1	3,778	6,131	14,227
Maintenance and repair construction of residential structures	<1	1,017	1,590	3,732
Maintenance and repair construction of highways, streets, bridges, and tunnels	<1	1	2	5
Dog and cat food manufacturing	0	0	0	0
Other animal food manufacturing	<1	14	19	262
Flour milling	0	0	0	0
Rice milling	0	0	0	0
Malt manufacturing	<1	<1	<1	22
Wet corn milling	0	0	0	0
Soybean and other oilseed processing	0	0	0	0
Fats and oils refining and blending	0	0	0	0
Breakfast cereal manufacturing	<1	8	10	125
Beet sugar manufacturing	<1	27	28	285

Appendix

Sugar cane mills and refining	0	0	0	0
Nonchocolate confectionery manufacturing	<1	1	1	10
Chocolate and confectionery manufacturing from cacao beans	0	0	0	0
Confectionery manufacturing from purchased chocolate	<1	<1	<1	7
Frozen fruits, juices and vegetables manufacturing	0	0	0	0
Frozen specialties manufacturing	0	0	0	0
Canned fruits and vegetables manufacturing	0	0	0	0
Canned specialties	0	0	0	0
Dehydrated food products manufacturing	0	0	0	0
Cheese manufacturing	0	0	0	0
Dry, condensed, and evaporated dairy product manufacturing	0	0	0	0
Fluid milk manufacturing	0	0	0	0
Creamery butter manufacturing	0	0	0	0
Ice cream and frozen dessert manufacturing	<1	3	3	26
Frozen cakes and other pastries manufacturing	<1	10	15	29
Poultry processing	0	0	0	0
Animal, except poultry, slaughtering	<1	10	11	202
Meat processed from carcasses	<1	6	6	77
Rendering and meat byproduct processing	<1	<1	<1	2
Seafood product preparation and packaging	0	0	0	0
Bread and bakery product, except frozen, manufacturing	<1	24	32	98
Cookie and cracker manufacturing	0	0	0	0
Dry pasta, mixes, and dough manufacturing	0	0	0	0
Tortilla manufacturing	0	0	0	0
Roasted nuts and peanut butter manufacturing	<1	5	6	33
Other snack food manufacturing	<1	6	7	37
Coffee and tea manufacturing	<1	<1	<1	8
Flavoring syrup and concentrate manufacturing	0	0	0	0
Mayonnaise, dressing, and sauce manufacturing	0	0	0	0
Spice and extract manufacturing	<1	<1	<1	11
All other food manufacturing	0	0	0	0

Appendix

Bottled and canned soft drinks & water	<1	157	164	818
Manufactured ice	<1	9	4	28
Breweries	<1	23	29	139
Wineries	<1	1	1	14
Distilleries	<1	10	21	75
Tobacco product manufacturing	0	0	0	0
Fiber, yarn, and thread mills	<1	<1	2	11
Broadwoven fabric mills	0	0	0	0
Narrow fabric mills and schiffli machine embroidery	<1	<1	<1	<1
Nonwoven fabric mills	0	0	0	0
Knit fabric mills	<1	<1	<1	1
Textile and fabric finishing mills	0	0	0	0
Fabric coating mills	<1	<1	<1	5
Carpet and rug mills	0	0	0	0
Curtain and linen mills	<1	<1	<1	1
Textile bag and canvas mills	<1	1	2	6
Rope, cordage, twine, tire cord and tire fabric mills	0	0	0	0
Other textile product mills	<1	17	27	73
Hosiery and sock mills	<1	<1	<1	<1
Other apparel knitting mills	<1	<1	<1	<1
Cut and sew apparel contractors	<1	<1	<1	<1
Mens and boys cut and sew apparel manufacturing	<1	<1	<1	3
Womens and girls cut and sew apparel manufacturing	<1	<1	<1	<1
Other cut and sew apparel manufacturing	<1	<1	<1	<1
Apparel accessories and other apparel manufacturing	<1	<1	<1	<1
Leather and hide tanning and finishing	<1	<1	0	7
Footwear manufacturing	<1	<1	<1	6
Other leather and allied product manufacturing	<1	<1	<1	1
Sawmills	<1	43	49	247
Wood preservation	<1	2	3	18
Veneer and plywood manufacturing	0	0	0	0
Engineered wood member and truss manufacturing	<1	9	10	43
Reconstituted wood product manufacturing	0	0	0	0
Wood windows and door manufacturing	0	0	0	0

Appendix

Cut stock, resawing lumber, and planing	0	0	0	0
Other millwork, including flooring	0	0	0	0
Wood container and pallet manufacturing	<1	3	4	15
Manufactured home (mobile home) manufacturing	0	0	0	0
Prefabricated wood building manufacturing	<1	5	5	23
All other miscellaneous wood product manufacturing	<1	7	8	36
Pulp mills	0	0	0	0
Paper mills	0	0	0	0
Paperboard mills	0	0	0	0
Paperboard container manufacturing	0	0	0	0
Paper bag and coated and treated paper manufacturing	0	0	0	0
Stationery product manufacturing	0	0	0	0
Sanitary paper product manufacturing	0	0	0	0
All other converted paper product manufacturing	0	0	0	0
Printing	<1	273	403	1,274
Support activities for printing	<1	3	3	8
Petroleum refineries	<1	1,379	4,381	41,720
Asphalt paving mixture and block manufacturing	<1	16	20	160
Asphalt shingle and coating materials manufacturing	<1	8	17	65
Petroleum lubricating oil and grease manufacturing	0	0	0	0
All other petroleum and coal products manufacturing	0	0	0	0
Petrochemical manufacturing	0	0	0	0
Industrial gas manufacturing	<1	38	73	184
Synthetic dye and pigment manufacturing	0	0	0	0
Other basic inorganic chemical manufacturing	<1	277	539	1,644
Other basic organic chemical manufacturing	<1	23	44	241
Plastics material and resin manufacturing	0	0	0	0
Synthetic rubber manufacturing	0	0	0	0
Artificial and synthetic fibers and filaments manufacturing	0	0	0	0

Appendix

Nitrogenous fertilizer manufacturing	<1	17	38	119
Phosphatic fertilizer manufacturing	<1	66	128	427
Fertilizer mixing	0	0	0	0
Pesticide and other agricultural chemical manufacturing	<1	99	268	1,017
Medicinal and botanical manufacturing	<1	1	2	4
Pharmaceutical preparation manufacturing	<1	2	6	28
In-vitro diagnostic substance manufacturing	0	0	0	0
Biological product (except diagnostic) manufacturing	<1	2	4	9
Paint and coating manufacturing	0	0	0	0
Adhesive manufacturing	0	0	0	0
Soap and other detergent manufacturing	0	0	0	0
Polish and other sanitation good manufacturing	0	0	0	0
Surface active agent manufacturing	0	0	0	0
Toilet preparation manufacturing	<1	4	12	31
Printing ink manufacturing	<1	<1	<1	3
Explosives manufacturing	<1	10	11	37
Custom compounding of purchased resins	<1	2	4	16
Photographic film and chemical manufacturing	0	0	0	0
Other miscellaneous chemical product manufacturing	<1	8	14	56
Plastics packaging materials and unlaminated film and sheet manufacturing	0	0	0	0
Unlaminated plastics profile shape manufacturing	0	0	0	0
Plastics pipe and pipe fitting manufacturing	<1	3	14	34
Laminated plastics plate, sheet (except packaging), and shape manufacturing	0	0	0	0
Polystyrene foam product manufacturing	0	0	0	0
Urethane and other foam product (except polystyrene) manufacturing	0	0	0	0
Plastics bottle manufacturing	0	0	0	0
Other plastics product manufacturing	<1	39	86	264

Appendix

Tire manufacturing	0	0	0	0
Rubber and plastics hoses and belting manufacturing	0	0	0	0
Other rubber product manufacturing	<1	22	45	133
Pottery, ceramics, and plumbing fixture manufacturing	<1	2	3	6
Brick, tile, and other structural clay product manufacturing	0	0	0	0
Flat glass manufacturing	0	0	0	0
Other pressed and blown glass and glassware manufacturing	0	0	0	0
Glass container manufacturing	0	0	0	0
Glass product manufacturing made of purchased glass	0	0	0	0
Cement manufacturing	<1	25	69	150
Ready-mix concrete manufacturing	<1	254	478	1,479
Concrete block and brick manufacturing	<1	45	93	194
Concrete pipe manufacturing	<1	11	20	41
Other concrete product manufacturing	<1	20	31	79
Lime manufacturing	0	0	0	0
Gypsum product manufacturing	<1	51	163	380
Abrasive product manufacturing	0	0	0	0
Cut stone and stone product manufacturing	<1	4	5	10
Ground or treated mineral and earth manufacturing	<1	15	49	117
Mineral wool manufacturing	0	0	0	0
Miscellaneous nonmetallic mineral products manufacturing	0	0	0	0
Iron and steel mills and ferroalloy manufacturing	0	0	0	0
Iron, steel pipe and tube manufacturing from purchased steel	<1	6	11	57
Rolled steel shape manufacturing	0	0	0	0
Steel wire drawing	0	0	0	0
Alumina refining and primary aluminum production	0	0	0	0
Secondary smelting and alloying of aluminum	0	0	0	0
Aluminum sheet, plate, and foil manufacturing	0	0	0	0
Other aluminum rolling, drawing and extruding	0	0	0	0

Appendix

Nonferrous metal (exc aluminum) smelting and refining	0	0	0	0
Copper rolling, drawing, extruding and alloying	0	0	0	0
Nonferrous metal, except copper and aluminum, shaping	0	0	0	0
Secondary processing of other nonferrous metals	0	0	0	0
Ferrous metal foundries	0	0	0	0
Nonferrous metal foundries	<1	2	2	7
Custom roll forming	0	0	0	0
Crown and closure manufacturing and metal stamping	0	0	0	0
Iron and steel forging	<1	4	7	28
Nonferrous forging	0	0	0	0
Cutlery, utensil, pot, and pan manufacturing	0	0	0	0
Handtool manufacturing	<1	3	5	11
Prefabricated metal buildings and components manufacturing	<1	5	7	22
Fabricated structural metal manufacturing	<1	30	45	155
Plate work manufacturing	<1	4	5	15
Metal window and door manufacturing	0	0	0	0
Sheet metal work manufacturing	<1	1	2	6
Ornamental and architectural metal work manufacturing	<1	6	8	34
Power boiler and heat exchanger manufacturing	0	0	0	0
Metal tank (heavy gauge) manufacturing	<1	7	9	27
Metal cans manufacturing	<1	2	4	25
Metal barrels, drums and pails manufacturing	0	0	0	0
Hardware manufacturing	0	0	0	0
Spring and wire product manufacturing	<1	3	5	16
Machine shops	<1	67	82	172
Turned product and screw, nut, and bolt manufacturing	0	0	0	0
Metal heat treating	<1	<1	<1	2
Metal coating and nonprecious engraving	<1	<1	1	4
Electroplating, anodizing, and coloring metal	<1	<1	<1	2
Valve and fittings, other than plumbing, manufacturing	<1	<1	1	4

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Plumbing fixture fitting and trim manufacturing	0	0	0	0
Ball and roller bearing manufacturing	0	0	0	0
Small arms ammunition manufacturing	<1	<1	<1	<1
Ammunition, except for small arms, manufacturing	<1	2	2	6
Small arms, ordnance, and accessories manufacturing	<1	6	12	33
Fabricated pipe and pipe fitting manufacturing	0	0	0	0
Other fabricated metal manufacturing	<1	4	5	19
Farm machinery and equipment manufacturing	<1	<1	<1	2
Lawn and garden equipment manufacturing	0	0	0	0
Construction machinery manufacturing	<1	5	4	32
Mining machinery and equipment manufacturing	<1	<1	<1	2
Oil and gas field machinery and equipment manufacturing	<1	53	46	212
Semiconductor machinery manufacturing	0	0	0	0
Food product machinery manufacturing	0	0	0	0
Sawmill, woodworking, and paper machinery	0	0	0	0
Printing machinery and equipment manufacturing	0	0	0	0
All other industrial machinery manufacturing	<1	<1	<1	<1
Optical instrument and lens manufacturing	<1	<1	<1	3
Photographic and photocopying equipment manufacturing	0	0	0	0
Other commercial service industry machinery manufacturing	<1	4	3	16
Air purification and ventilation equipment manufacturing	0	0	0	0
Heating equipment (except warm air furnaces) manufacturing	0	0	0	0
Air conditioning, refrigeration, and warm air heating equipment manufacturing	0	0	0	0
Industrial mold manufacturing	<1	<1	<1	2
Special tool, die, jig, and fixture manufacturing	0	0	0	0

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Cutting tool and machine tool accessory manufacturing	0	0	0	0
Machine tool manufacturing	0	0	0	0
Rolling mill and other metalworking machinery manufacturing	0	0	0	0
Turbine and turbine generator set units manufacturing	<1	<1	<1	<1
Speed changer, industrial high-speed drive, and gear manufacturing	0	0	0	0
Mechanical power transmission equipment manufacturing	0	0	0	0
Other engine equipment manufacturing	0	0	0	0
Pump and pumping equipment manufacturing	<1	<1	<1	<1
Air and gas compressor manufacturing	0	0	0	0
Elevator and moving stairway manufacturing	0	0	0	0
Conveyor and conveying equipment manufacturing	<1	<1	<1	<1
Overhead cranes, hoists, and monorail systems manufacturing	0	0	0	0
Industrial truck, trailer, and stacker manufacturing	0	0	0	0
Power-driven handtool manufacturing	0	0	0	0
Welding and soldering equipment manufacturing	<1	<1	<1	<1
Packaging machinery manufacturing	0	0	0	0
Industrial process furnace and oven manufacturing	0	0	0	0
Fluid power cylinder and actuator manufacturing	<1	2	1	4
Fluid power pump and motor manufacturing	0	0	0	0
Scales, balances, and miscellaneous general purpose machinery manufacturing	<1	<1	<1	<1
Electronic computer manufacturing	<1	<1	<1	<1
Computer storage device manufacturing	0	0	0	0
Computer terminals and other computer peripheral equipment manufacturing	<1	<1	<1	<1
Telephone apparatus manufacturing	0	0	0	0

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Broadcast and wireless communications equipment manufacturing	0	0	0	0
Other communications equipment manufacturing	0	0	0	0
Audio and video equipment manufacturing	0	0	0	0
Printed circuit assembly (electronic assembly) manufacturing	0	0	0	0
Bare printed circuit board manufacturing	0	0	0	0
Semiconductor and related device manufacturing	0	0	0	0
Capacitor, resistor, coil, transformer, and other inductor manufacturing	0	0	0	0
Electronic connector manufacturing	0	0	0	0
Other electronic component manufacturing	0	0	0	0
Electromedical and electrotherapeutic apparatus manufacturing	0	0	0	0
Search, detection, and navigation instruments manufacturing	<1	<1	<1	<1
Automatic environmental control manufacturing	<1	2	2	6
Industrial process variable instruments manufacturing	<1	1	2	7
Totalizing fluid meter and counting device manufacturing	<1	<1	2	6
Electricity and signal testing instruments manufacturing	<1	<1	<1	<1
Analytical laboratory instrument manufacturing	<1	<1	<1	<1
Irradiation apparatus manufacturing	0	0	0	0
Watch, clock, and other measuring and controlling device manufacturing	<1	<1	<1	<1
Blank magnetic and optical recording media manufacturing	0	0	0	0
Software and other prerecorded and record reproducing	<1	<1	<1	<1
Electric lamp bulb and part manufacturing	0	0	0	0
Lighting fixture manufacturing	<1	<1	<1	<1
Small electrical appliance manufacturing	0	0	0	0

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Household cooking appliance manufacturing	0	0	0	0
Household refrigerator and home freezer manufacturing	0	0	0	0
Household laundry equipment manufacturing	0	0	0	0
Other major household appliance manufacturing	0	0	0	0
Power, distribution, and specialty transformer manufacturing	<1	<1	<1	1
Motor and generator manufacturing	<1	7	8	31
Switchgear and switchboard apparatus manufacturing	<1	2	3	10
Relay and industrial control manufacturing	<1	<1	<1	3
Storage battery manufacturing	0	0	0	0
Primary battery manufacturing	0	0	0	0
Fiber optic cable manufacturing	0	0	0	0
Other communication and energy wire manufacturing	<1	1	1	10
Wiring device manufacturing	0	0	0	0
Carbon and graphite product manufacturing	<1	6	7	39
All other miscellaneous electrical equipment and component manufacturing	<1	<1	<1	<1
Automobile manufacturing	0	0	0	0
Light truck and utility vehicle manufacturing	0	0	0	0
Heavy duty truck manufacturing	0	0	0	0
Motor vehicle body manufacturing	<1	1	1	5
Truck trailer manufacturing	<1	<1	<1	<1
Motor home manufacturing	0	0	0	0
Travel trailer and camper manufacturing	0	0	0	0
Motor vehicle gasoline engine and engine parts manufacturing	<1	<1	<1	6
Motor vehicle electrical and electronic equipment manufacturing	<1	1	2	8
Motor vehicle transmission and power train parts manufacturing	0	0	0	0
Motor vehicle seating and interior trim manufacturing	0	0	0	0
Motor vehicle metal stamping	0	0	0	0
Other motor vehicle parts manufacturing	<1	10	11	67

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Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	<1	55	61	365
Aircraft manufacturing	<1	<1	<1	<1
Aircraft engine and engine parts manufacturing	0	0	0	0
Other aircraft parts and auxiliary equipment manufacturing	<1	<1	<1	<1
Guided missile and space vehicle manufacturing	0	0	0	0
Propulsion units and parts for space vehicles and guided missiles manufacturing	0	0	0	0
Railroad rolling stock manufacturing	0	0	0	0
Ship building and repairing	0	0	0	0
Boat building	0	0	0	0
Motorcycle, bicycle, and parts manufacturing	0	0	0	0
Military armored vehicle, tank, and tank component manufacturing	0	0	0	0
All other transportation equipment manufacturing	0	0	0	0
Wood kitchen cabinet and countertop manufacturing	<1	17	19	98
Upholstered household furniture manufacturing	0	0	0	0
Nonupholstered wood household furniture manufacturing	<1	<1	<1	1
Other household nonupholstered furniture manufacturing	<1	<1	<1	4
Institutional furniture manufacturing	0	0	0	0
Wood office furniture manufacturing	<1	<1	<1	<1
Custom architectural woodwork and millwork	<1	<1	<1	<1
Office furniture, except wood, manufacturing	0	0	0	0
Showcase, partition, shelving, and locker manufacturing	0	0	0	0
Mattress manufacturing	0	0	0	0
Blind and shade manufacturing	<1	<1	<1	<1
Surgical and medical instrument manufacturing	0	0	0	0
Surgical appliance and supplies manufacturing	<1	<1	<1	3
Dental equipment and supplies manufacturing	0	0	0	0

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Ophthalmic goods manufacturing	<1	<1	<1	<1
Dental laboratories	<1	<1	<1	2
Jewelry and silverware manufacturing	<1	3	4	14
Sporting and athletic goods manufacturing	<1	<1	<1	4
Doll, toy, and game manufacturing	0	0	0	0
Office supplies (except paper) manufacturing	<1	<1	<1	2
Sign manufacturing	<1	62	44	297
Gasket, packing, and sealing device manufacturing	<1	2	2	14
Musical instrument manufacturing	0	0	0	0
Fasteners, buttons, needles, and pins manufacturing	0	0	0	0
Broom, brush, and mop manufacturing	0	0	0	0
Burial casket manufacturing	<1	4	4	26
All other miscellaneous manufacturing	<1	1	<1	8
Wholesale - Motor vehicle and motor vehicle parts and supplies	<1	616	1,077	2,840
Wholesale - Professional and commercial equipment and supplies	<1	422	582	1,209
Wholesale - Household appliances and electrical and electronic goods	<1	665	1,208	3,040
Wholesale - Machinery, equipment, and supplies	<1	2,412	3,664	6,720
Wholesale - Other durable goods merchant wholesalers	<1	1,368	2,106	4,390
Wholesale - Drugs and druggists' sundries	<1	508	1,094	2,561
Wholesale - Grocery and related product wholesalers	<1	1,259	1,523	3,468
Wholesale - Petroleum and petroleum products	<1	727	4,040	5,370
Wholesale - Other nondurable goods merchant wholesalers	<1	2,647	4,194	9,021
Wholesale - Wholesale electronic markets and agents and brokers	<1	265	270	325
Retail - Motor vehicle and parts dealers	<1	2,238	3,716	5,491
Retail - Furniture and home furnishings stores	<1	849	1,199	2,085
Retail - Electronics and appliance stores	<1	948	1,019	1,864

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Retail - Building material and garden equipment and supplies stores	<1	1,346	2,663	4,009
Retail - Food and beverage stores	<1	2,889	4,087	6,797
Retail - Health and personal care stores	<1	1,307	1,700	2,857
Retail - Gasoline stores	<1	1,135	2,053	3,857
Retail - Clothing and clothing accessories stores	<1	980	1,612	3,319
Retail - Sporting goods, hobby, musical instrument and book stores	<1	745	1,096	2,004
Retail - General merchandise stores	<1	3,474	5,269	8,501
Retail - Miscellaneous store retailers	<1	1,435	1,958	3,561
Retail - Nonstore retailers	<1	1,409	4,872	13,095
Air transportation	<1	1,995	923	4,295
Rail transportation	<1	597	3,961	4,701
Water transportation	<1	40	510	839
Truck transportation	<1	5,138	6,415	12,625
Transit and ground passenger transportation	<1	687	957	1,297
Pipeline transportation	<1	7,836	7,023	7,054
Scenic and sightseeing transportation and support activities for transportation	<1	7,479	8,709	17,377
Couriers and messengers	<1	1,628	3,039	4,340
Warehousing and storage	<1	1,258	1,438	3,054
Newspaper publishers	<1	1,534	3,683	4,735
Periodical publishers	<1	279	604	1,046
Book publishers	<1	30	153	247
Directory, mailing list, and other publishers	<1	78	340	436
Greeting card publishing	0	0	0	0
Software publishers	<1	201	652	744
Motion picture and video industries	<1	690	813	2,851
Sound recording industries	<1	9	32	175
Radio and television broadcasting	<1	1,269	1,678	9,992
Cable and other subscription programming	0	0	0	0
Wired telecommunications carriers	<1	2,524	5,228	10,782
Wireless telecommunications carriers (except satellite)	<1	318	1,921	5,754

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Satellite, telecommunications resellers, and all other telecommunications	<1	116	161	465
Data processing, hosting, and related services	<1	669	1,915	5,938
News syndicates, libraries, archives and all other information services	<1	59	114	257
Internet publishing and broadcasting and web search portals	<1	792	2,147	9,641
Nondepository credit intermediation and related activities	<1	1,103	1,399	2,655
Securities and commodity contracts intermediation and brokerage	<1	1,796	1,877	14,473
Monetary authorities and depository credit intermediation	<1	14,381	30,864	63,146
Other financial investment activities	<1	522	1,329	9,512
Direct life insurance carriers	<1	21	49	87
Insurance carriers, except direct life	<1	1,915	7,383	18,381
Insurance agencies, brokerages, and related activities	<1	2,877	4,907	14,660
Funds, trusts, and other financial vehicles	<1	1,521	1,727	11,930
Other real estate	1	25,627	74,189	241,134
Tenant-occupied housing	<1	1,104	13,354	16,029
Owner-occupied dwellings	0	0	46,474	58,997
Automotive equipment rental and leasing	<1	320	945	1,707
General and consumer goods rental except video tapes and discs	<1	677	902	1,845
Video tape and disc rental	<1	171	282	454
Commercial and industrial machinery and equipment rental and leasing	<1	1,208	3,436	5,370
Lessors of nonfinancial intangible assets	<1	187	4,120	4,580
Legal services	<1	20,425	26,688	45,317
Accounting, tax preparation, bookkeeping, and payroll services	<1	4,417	5,474	9,035
Architectural, engineering, and related services	<1	10,250	10,921	21,549
Specialized design services	<1	286	404	617
Custom computer programming services	<1	940	1,071	1,571

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Computer systems design services	<1	1,520	1,512	2,029
Other computer related services, including facilities management	<1	463	814	1,573
Management consulting services	<1	16,003	16,549	28,572
Environmental and other technical consulting services	<1	5,754	5,990	9,480
Scientific research and development services	8	528,930	659,493	1,557,078
Advertising, public relations, and related services	<1	2,355	3,213	7,357
Photographic services	<1	116	245	584
Veterinary services	<1	645	757	1,268
Marketing research and all other miscellaneous professional, scientific, and technical services	<1	11,331	18,752	36,850
Management of companies and enterprises	<1	7,702	11,135	25,311
Office administrative services	<1	4,039	2,010	4,801
Facilities support services	<1	357	516	1,483
Employment services	<1	17,380	24,311	38,476
Business support services	<1	1,613	1,439	2,693
Travel arrangement and reservation services	<1	479	604	1,669
Investigation and security services	<1	1,622	1,577	2,459
Services to buildings	<1	2,416	3,201	7,033
Landscape and horticultural services	<1	3,190	3,779	7,247
Other support services	<1	1,213	1,483	3,445
Waste management and remediation services	<1	1,574	2,503	5,128
Elementary and secondary schools	<1	496	433	541
Junior colleges, colleges, universities, and professional schools	<1	405	543	856
Other educational services	<1	806	912	2,083
Offices of physicians	<1	11,110	11,426	16,336
Offices of dentists	<1	2,836	3,251	4,970
Offices of other health practitioners	<1	2,509	3,166	4,422
Outpatient care centers	<1	2,422	2,155	4,044
Medical and diagnostic laboratories	<1	981	1,225	1,672
Home health care services	<1	628	591	768
Other ambulatory health care services	<1	717	765	1,312

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Hospitals	<1	6,108	7,263	14,285
Nursing and community care facilities	<1	2,524	2,852	4,974
Residential mental retardation, mental health, substance abuse and other facilities	<1	1,069	1,161	1,808
Individual and family services	<1	2,877	2,414	3,887
Child day care services	<1	1,060	1,441	2,028
Community food, housing, and other relief services, including rehabilitation services	<1	717	704	1,661
Performing arts companies	<1	254	406	1,166
Commercial Sports Except Racing	<1	72	73	219
Racing and Track Operation	<1	15	30	75
Independent artists, writers, and performers	<1	353	1,534	3,461
Promoters of performing arts and sports and agents for public figures	<1	328	758	2,776
Museums, historical sites, zoos, and parks	<1	214	272	501
Amusement parks and arcades	<1	13	50	68
Gambling industries (except casino hotels)	<1	683	1,579	2,637
Other amusement and recreation industries	<1	495	1,007	1,658
Fitness and recreational sports centers	<1	262	647	1,067
Bowling centers	<1	70	155	264
Hotels and motels, including casino hotels	<1	296	491	842
Other accommodations	<1	46	67	91
Full-service restaurants	<1	6,893	9,663	18,565
Limited-service restaurants	<1	4,219	6,770	15,902
All other food and drinking places	<1	4,611	7,333	11,747
Automotive repair and maintenance, except car washes	<1	4,557	5,437	8,314
Car washes	<1	2,071	3,357	5,149
Electronic and precision equipment repair and maintenance	<1	596	692	1,373
Commercial and industrial machinery and equipment repair and maintenance	<1	2,852	2,198	3,741
Personal and household goods repair and maintenance	<1	402	790	1,250
Personal care services	<1	1,186	1,142	1,589
Death care services	<1	286	243	361

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Dry-cleaning and laundry services	<1	1,021	820	1,120
Other personal services	<1	973	1,254	1,929
Religious organizations	<1	2,698	1,674	4,927
Grantmaking, giving, and social advocacy organizations	<1	653	2,272	3,503
Business and professional associations	<1	903	1,678	3,286
Labor and civic organizations	<1	445	1,390	2,767
Private households	<1	327	327	327
Postal service	<1	2,393	2,394	2,562
Federal electric utilities	<1	134	196	912
Other federal government enterprises	<1	74	-18	182
State government passenger transit	0	0	0	0
State government electric utilities	0	0	0	0
Other state government enterprises	<1	243	307	568
Local government passenger transit	<1	223	-214	61
Local government electric utilities	<1	<1	2	4
Other local government enterprises	<1	5,814	12,390	24,811
* Not an industry (Used and secondhand goods)	0	0	0	0
* Not an industry (Scrap)	0	0	0	0
* Not an industry (Rest of world adjustment)	0	0	0	0
* Not an industry (Noncomparable foreign imports)	0	0	0	0
* Employment and payroll of state govt, education	0	0	0	0
* Employment and payroll of state govt, non-education	0	0	0	0
* Employment and payroll of local govt, education	0	0	0	0
* Employment and payroll of local govt, non-education	0	0	0	0
* Employment and payroll of federal govt, military	0	0	0	0
* Employment and payroll of federal govt, non-military	0	0	0	0

IMPLAN SECTOR SCHEME

Table 781: IMPLAN Industry Classes and North American Industry Classification System (NAICS)
Sectors

IMPLAN Code	IMPLAN Sector Description	NAICS Code
1	Oilseed farming	111110
1	Oilseed farming	111120
1	Oilseed farming	111191
2	Grain farming	111130
2	Grain farming	111140
2	Grain farming	111150
2	Grain farming	111160
2	Grain farming	111191
2	Grain farming	111199
3	Vegetable and melon farming	111211
3	Vegetable and melon farming	111219
4	Fruit farming	111310
4	Fruit farming	111320
4	Fruit farming	111331
4	Fruit farming	111332
4	Fruit farming	111333
4	Fruit farming	111334
4	Fruit farming	111336
4	Fruit farming	111339
5	Tree nut farming	111335
5	Tree nut farming	111336
6	Greenhouse, nursery, and floriculture production	111411
6	Greenhouse, nursery, and floriculture production	111419
6	Greenhouse, nursery, and floriculture production	111421
6	Greenhouse, nursery, and floriculture production	111422
7	Tobacco farming	111910
8	Cotton farming	111920
9	Sugarcane and sugar beet farming	111930
9	Sugarcane and sugar beet farming	111991
10	All other crop farming	111940
10	All other crop farming	111992
10	All other crop farming	111998
11	Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112111
11	Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112112
12	Dairy cattle and milk production	112120
13	Poultry and egg production	112310

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13	Poultry and egg production	112320
13	Poultry and egg production	112330
13	Poultry and egg production	112340
13	Poultry and egg production	112390
14	Animal production, except cattle and poultry and eggs	112210
14	Animal production, except cattle and poultry and eggs	112410
14	Animal production, except cattle and poultry and eggs	112420
14	Animal production, except cattle and poultry and eggs	112511
14	Animal production, except cattle and poultry and eggs	112512
14	Animal production, except cattle and poultry and eggs	112519
14	Animal production, except cattle and poultry and eggs	112910
14	Animal production, except cattle and poultry and eggs	112920
14	Animal production, except cattle and poultry and eggs	112930
14	Animal production, except cattle and poultry and eggs	112990
15	Forestry, forest products, and timber tract production	113110
15	Forestry, forest products, and timber tract production	113210
16	Commercial logging	113310
17	Commercial fishing	114111
17	Commercial fishing	114112
17	Commercial fishing	114119
18	Commercial hunting and trapping	114210
19	Support activities for agriculture and forestry	115111
19	Support activities for agriculture and forestry	115112
19	Support activities for agriculture and forestry	115113
19	Support activities for agriculture and forestry	115114
19	Support activities for agriculture and forestry	115115
19	Support activities for agriculture and forestry	115116
19	Support activities for agriculture and forestry	115210
19	Support activities for agriculture and forestry	115310
20	Oil and gas extraction	211120
20	Oil and gas extraction	211130
21	Coal mining	212114
21	Coal mining	212115
22	Copper, nickel, lead, and zinc mining	212230
23	Iron ore mining	212210
24	Gold ore mining	212220
25	Silver ore mining	212220
26	Uranium-radium-vanadium ore mining	212290
27	Other metal ore mining	212290
28	Stone mining and quarrying	212311
28	Stone mining and quarrying	212312
28	Stone mining and quarrying	212313
28	Stone mining and quarrying	212319

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29	Sand and gravel mining	212321
29	Sand and gravel mining	212322
29	Sand and gravel mining	212323
30	Other clay, ceramic, refractory minerals mining	212323
31	Potash, soda, and borate mineral mining	212390
32	Phosphate rock mining	212390
33	Other chemical and fertilizer mineral mining	212390
34	Other nonmetallic minerals	212390
35	Drilling oil and gas wells	213111
36	Support activities for oil and gas operations	213112
37	Metal mining services	213114
38	Other nonmetallic minerals services	213113
38	Other nonmetallic minerals services	213115
39	Electric power generation - Hydroelectric	221111
40	Electric power generation - Fossil fuel	221112
41	Electric power generation - Nuclear	221113
42	Electric power generation - Solar	221114
43	Electric power generation - Wind	221115
44	Electric power generation - Geothermal	221116
45	Electric power generation - Biomass	221117
46	Electric power generation - All other	221118
47	Electric power transmission and distribution	221121
47	Electric power transmission and distribution	221122
48	Natural gas distribution	221210
49	Water, sewage and other systems	221310
49	Water, sewage and other systems	221320
49	Water, sewage and other systems	221330
63	Dog and cat food manufacturing	311111
64	Other animal food manufacturing	311119
65	Flour milling	311211
66	Rice milling	311212
67	Malt manufacturing	311213
68	Wet corn milling	311221
69	Soybean and other oilseed processing	311224
70	Fats and oils refining and blending	311225
71	Breakfast cereal manufacturing	311230
72	Beet sugar manufacturing	311313
73	Sugar cane mills and refining	311314
74	Nonchocolate confectionery manufacturing	311340
75	Chocolate and confectionery manufacturing from cacao beans	311351
76	Confectionery manufacturing from purchased chocolate	311352
77	Frozen fruits, juices and vegetables manufacturing	311411
78	Frozen specialties manufacturing	311412

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79	Canned fruits and vegetables manufacturing	311421
80	Canned specialties	311422
81	Dehydrated food products manufacturing	311423
82	Cheese manufacturing	311513
83	Dry, condensed, and evaporated dairy product manufacturing	311514
84	Fluid milk manufacturing	311511
85	Creamery butter manufacturing	311512
86	Ice cream and frozen dessert manufacturing	311520
87	Frozen cakes and other pastries manufacturing	311813
88	Poultry processing	311615
89	Animal, except poultry, slaughtering	311611
90	Meat processed from carcasses	311612
91	Rendering and meat byproduct processing	311613
92	Seafood product preparation and packaging	311710
93	Bread and bakery product, except frozen, manufacturing	311811
93	Bread and bakery product, except frozen, manufacturing	311812
94	Cookie and cracker manufacturing	311821
95	Dry pasta, mixes, and dough manufacturing	311824
96	Tortilla manufacturing	311830
97	Roasted nuts and peanut butter manufacturing	311911
98	Other snack food manufacturing	311919
99	Coffee and tea manufacturing	311920
100	Flavoring syrup and concentrate manufacturing	311930
101	Mayonnaise, dressing, and sauce manufacturing	311941
102	Spice and extract manufacturing	311942
103	All other food manufacturing	311991
103	All other food manufacturing	311999
104	Bottled and canned soft drinks & water	312111
104	Bottled and canned soft drinks & water	312112
105	Manufactured ice	312113
106	Breweries	312120
107	Wineries	312130
108	Distilleries	312140
109	Tobacco product manufacturing	312230
110	Fiber, yarn, and thread mills	313110
111	Broadwoven fabric mills	313210
112	Narrow fabric mills and schiffli machine embroidery	313220
113	Nonwoven fabric mills	313230
114	Knit fabric mills	313240
115	Textile and fabric finishing mills	313310
116	Fabric coating mills	313320
117	Carpet and rug mills	314110
118	Curtain and linen mills	314120

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119	Textile bag and canvas mills	314910
120	Rope, cordage, twine, tire cord and tire fabric mills	314994
121	Other textile product mills	314999
122	Hosiery and sock mills	315120
123	Other apparel knitting mills	315120
124	Cut and sew apparel contractors	315210
125	Men's and boys' cut and sew apparel manufacturing	315250
126	Women's and girls' cut and sew apparel manufacturing	315250
127	Other cut and sew apparel manufacturing	315250
128	Apparel accessories and other apparel manufacturing	315990
129	Leather and hide tanning and finishing	316110
130	Footwear manufacturing	316210
131	Other leather and allied product manufacturing	316990
132	Sawmills	321113
133	Wood preservation	321114
134	Veneer and plywood manufacturing	321211
134	Veneer and plywood manufacturing	321212
135	Engineered wood member and truss manufacturing	321215
136	Reconstituted wood product manufacturing	321219
137	Wood windows and door manufacturing	321911
138	Cut stock, resawing lumber, and planing	321912
139	Other millwork, including flooring	321918
140	Wood container and pallet manufacturing	321920
141	Manufactured home (mobile home) manufacturing	321991
142	Prefabricated wood building manufacturing	321992
143	All other miscellaneous wood product manufacturing	321999
144	Pulp mills	322110
145	Paper mills	322120
146	Paperboard mills	322130
147	Paperboard container manufacturing	322211
147	Paperboard container manufacturing	322212
147	Paperboard container manufacturing	322219
148	Paper bag and coated and treated paper manufacturing	322220
149	Stationery product manufacturing	322230
150	Sanitary paper product manufacturing	322291
151	All other converted paper product manufacturing	322299
152	Printing	323111
152	Printing	323113
152	Printing	323117
153	Support activities for printing	323120
154	Petroleum refineries	324110
155	Asphalt paving mixture and block manufacturing	324121
156	Asphalt shingle and coating materials manufacturing	324122

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157	Petroleum lubricating oil and grease manufacturing	324191
158	All other petroleum and coal products manufacturing	324199
159	Petrochemical manufacturing	325110
160	Industrial gas manufacturing	325120
161	Synthetic dye and pigment manufacturing	325130
162	Other basic inorganic chemical manufacturing	325180
163	Other basic organic chemical manufacturing	325193
163	Other basic organic chemical manufacturing	325194
163	Other basic organic chemical manufacturing	325199
164	Plastics material and resin manufacturing	325211
165	Synthetic rubber manufacturing	325212
166	Artificial and synthetic fibers and filaments manufacturing	325220
167	Nitrogenous fertilizer manufacturing	325311
168	Phosphatic fertilizer manufacturing	325312
169	Fertilizer mixing	325314
169	Fertilizer mixing	325315
170	Pesticide and other agricultural chemical manufacturing	325320
171	Medicinal and botanical manufacturing	325411
172	Pharmaceutical preparation manufacturing	325412
173	In-vitro diagnostic substance manufacturing	325413
174	Biological product (except diagnostic) manufacturing	325414
175	Paint and coating manufacturing	325510
176	Adhesive manufacturing	325520
177	Soap and other detergent manufacturing	325611
178	Polish and other sanitation good manufacturing	325612
179	Surface active agent manufacturing	325613
180	Toilet preparation manufacturing	325620
181	Printing ink manufacturing	325910
182	Explosives manufacturing	325920
183	Custom compounding of purchased resins	325991
184	Photographic film and chemical manufacturing	325992
185	Other miscellaneous chemical product manufacturing	325998
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326111
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326112
186	Plastics packaging materials and unlaminated film and sheet manufacturing	326113
187	Unlaminated plastics profile shape manufacturing	326121
188	Plastics pipe and pipe fitting manufacturing	326122
189	Laminated plastics plate, sheet (except packaging), and shape manufacturing	326130
190	Polystyrene foam product manufacturing	326140

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191	Urethane and other foam product (except polystyrene) manufacturing	326150
192	Plastics bottle manufacturing	326160
193	Other plastics product manufacturing	326191
193	Other plastics product manufacturing	326199
194	Tire manufacturing	326211
194	Tire manufacturing	326212
195	Rubber and plastics hoses and belting manufacturing	326220
196	Other rubber product manufacturing	326291
196	Other rubber product manufacturing	326299
197	Pottery, ceramics, and plumbing fixture manufacturing	327110
198	Brick, tile, and other structural clay product manufacturing	327120
199	Flat glass manufacturing	327211
200	Other pressed and blown glass and glassware manufacturing	327212
201	Glass container manufacturing	327213
202	Glass product manufacturing made of purchased glass	327215
203	Cement manufacturing	327310
204	Ready-mix concrete manufacturing	327320
205	Concrete block and brick manufacturing	327331
206	Concrete pipe manufacturing	327332
207	Other concrete product manufacturing	327390
208	Lime manufacturing	327410
209	Gypsum product manufacturing	327420
210	Abrasive product manufacturing	327910
211	Cut stone and stone product manufacturing	327991
212	Ground or treated mineral and earth manufacturing	327992
213	Mineral wool manufacturing	327993
214	Miscellaneous nonmetallic mineral products manufacturing	327999
215	Iron and steel mills and ferroalloy manufacturing	331110
216	Iron, steel pipe and tube manufacturing from purchased steel	331210
217	Rolled steel shape manufacturing	331221
218	Steel wire drawing	331222
219	Alumina refining and primary aluminum production	331313
220	Secondary smelting and alloying of aluminum	331314
221	Aluminum sheet, plate, and foil manufacturing	331315
222	Other aluminum rolling, drawing and extruding	331318
223	Nonferrous metal (exc aluminum) smelting and refining	331410
224	Copper rolling, drawing, extruding and alloying	331420
225	Nonferrous metal, except copper and aluminum, shaping	331491
226	Secondary processing of other nonferrous metals	331492
227	Ferrous metal foundries	331511
227	Ferrous metal foundries	331512
227	Ferrous metal foundries	331513

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228	Nonferrous metal foundries	331523
228	Nonferrous metal foundries	331524
228	Nonferrous metal foundries	331529
229	Custom roll forming	332114
230	Crown and closure manufacturing and metal stamping	332119
231	Iron and steel forging	332111
231	Iron and steel forging	332117
232	Nonferrous forging	332112
232	Nonferrous forging	332117
233	Cutlery, utensil, pot, and pan manufacturing	332215
234	Handtool manufacturing	332216
235	Prefabricated metal buildings and components manufacturing	332311
236	Fabricated structural metal manufacturing	332312
237	Plate work manufacturing	332313
238	Metal window and door manufacturing	332321
239	Sheet metal work manufacturing	332322
240	Ornamental and architectural metal work manufacturing	332323
241	Power boiler and heat exchanger manufacturing	332410
242	Metal tank (heavy gauge) manufacturing	332420
243	Metal cans manufacturing	332431
244	Metal barrels, drums and pails manufacturing	332439
245	Hardware manufacturing	332510
246	Spring and wire product manufacturing	332613
246	Spring and wire product manufacturing	332618
247	Machine shops	332710
248	Turned product and screw, nut, and bolt manufacturing	332721
248	Turned product and screw, nut, and bolt manufacturing	332722
249	Metal heat treating	332811
250	Metal coating and nonprecious engraving	332812
251	Electroplating, anodizing, and coloring metal	332813
252	Valve and fittings, other than plumbing, manufacturing	332911
252	Valve and fittings, other than plumbing, manufacturing	332912
252	Valve and fittings, other than plumbing, manufacturing	332919
253	Plumbing fixture fitting and trim manufacturing	332913
254	Ball and roller bearing manufacturing	332991
255	Small arms ammunition manufacturing	332992
256	Ammunition, except for small arms, manufacturing	332993
257	Small arms, ordnance, and accessories manufacturing	332994
258	Fabricated pipe and pipe fitting manufacturing	332996
259	Other fabricated metal manufacturing	332999
260	Farm machinery and equipment manufacturing	333111
261	Lawn and garden equipment manufacturing	333112
262	Construction machinery manufacturing	333120

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263	Mining machinery and equipment manufacturing	333131
264	Oil and gas field machinery and equipment manufacturing	333132
265	Semiconductor machinery manufacturing	333242
266	Food product machinery manufacturing	333241
267	Sawmill, woodworking, and paper machinery	333243
268	Printing machinery and equipment manufacturing	333248
269	All other industrial machinery manufacturing	333248
270	Optical instrument and lens manufacturing	333310
271	Photographic and photocopying equipment manufacturing	333310
272	Other commercial service industry machinery manufacturing	333310
273	Air purification and ventilation equipment manufacturing	333413
274	Heating equipment (except warm air furnaces) manufacturing	333414
275	Air conditioning, refrigeration, and warm air heating equipment manufacturing	333415
276	Industrial mold manufacturing	333511
277	Special tool, die, jig, and fixture manufacturing	333514
278	Cutting tool and machine tool accessory manufacturing	333515
279	Machine tool manufacturing	333517
280	Rolling mill and other metalworking machinery manufacturing	333519
281	Turbine and turbine generator set units manufacturing	333611
282	Speed changer, industrial high-speed drive, and gear manufacturing	333612
283	Mechanical power transmission equipment manufacturing	333613
284	Other engine equipment manufacturing	333618
285	Pump and pumping equipment manufacturing	333914
286	Air and gas compressor manufacturing	333912
287	Elevator and moving stairway manufacturing	333921
288	Conveyor and conveying equipment manufacturing	333922
289	Overhead cranes, hoists, and monorail systems manufacturing	333923
290	Industrial truck, trailer, and stacker manufacturing	333924
291	Power-driven handtool manufacturing	333991
292	Welding and soldering equipment manufacturing	333992
293	Packaging machinery manufacturing	333993
294	Industrial process furnace and oven manufacturing	333994
295	Fluid power cylinder and actuator manufacturing	333995
296	Fluid power pump and motor manufacturing	333996
297	Scales, balances, and miscellaneous general purpose machinery manufacturing	333998
298	Electronic computer manufacturing	334111
299	Computer storage device manufacturing	334112
300	Computer terminals and other computer peripheral equipment manufacturing	334118
301	Telephone apparatus manufacturing	334210
302	Broadcast and wireless communications equipment manufacturing	334220

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303	Other communications equipment manufacturing	334290
304	Audio and video equipment manufacturing	334310
305	Printed circuit assembly (electronic assembly) manufacturing	334418
306	Bare printed circuit board manufacturing	334412
307	Semiconductor and related device manufacturing	334413
308	Capacitor, resistor, coil, transformer, and other inductor manufacturing	334416
309	Electronic connector manufacturing	334417
310	Other electronic component manufacturing	334419
311	Electromedical and electrotherapeutic apparatus manufacturing	334510
312	Search, detection, and navigation instruments manufacturing	334511
313	Automatic environmental control manufacturing	334512
314	Industrial process variable instruments manufacturing	334513
315	Totalizing fluid meter and counting device manufacturing	334514
316	Electricity and signal testing instruments manufacturing	334515
317	Analytical laboratory instrument manufacturing	334516
318	Irradiation apparatus manufacturing	334517
319	Watch, clock, and other measuring and controlling device manufacturing	334519
320	Blank magnetic and optical recording media manufacturing	334610
321	Software and other prerecorded and record reproducing	334610
322	Electric lamp bulb and part manufacturing	335139
323	Lighting fixture manufacturing	335131
323	Lighting fixture manufacturing	335132
323	Lighting fixture manufacturing	335139
324	Small electrical appliance manufacturing	335210
325	Household cooking appliance manufacturing	335220
326	Household refrigerator and home freezer manufacturing	335220
327	Household laundry equipment manufacturing	335220
328	Other major household appliance manufacturing	335220
329	Power, distribution, and specialty transformer manufacturing	335311
330	Motor and generator manufacturing	335312
331	Switchgear and switchboard apparatus manufacturing	335313
332	Relay and industrial control manufacturing	335314
333	Storage battery manufacturing	335910
334	Primary battery manufacturing	335910
335	Fiber optic cable manufacturing	335921
336	Other communication and energy wire manufacturing	335929
337	Wiring device manufacturing	335931
337	Wiring device manufacturing	335932
338	Carbon and graphite product manufacturing	335991
339	All other miscellaneous electrical equipment and component manufacturing	335999

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340	Automobile manufacturing	336110
341	Light truck and utility vehicle manufacturing	336110
342	Heavy duty truck manufacturing	336120
343	Motor vehicle body manufacturing	336211
344	Truck trailer manufacturing	336212
345	Motor home manufacturing	336213
346	Travel trailer and camper manufacturing	336214
347	Motor vehicle gasoline engine and engine parts manufacturing	336310
348	Motor vehicle electrical and electronic equipment manufacturing	336320
349	Motor vehicle transmission and power train parts manufacturing	336350
350	Motor vehicle seating and interior trim manufacturing	336360
351	Motor vehicle metal stamping	336370
352	Other motor vehicle parts manufacturing	336390
353	Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	336330
353	Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	336340
354	Aircraft manufacturing	336411
355	Aircraft engine and engine parts manufacturing	336412
356	Other aircraft parts and auxiliary equipment manufacturing	336413
357	Guided missile and space vehicle manufacturing	336414
358	Propulsion units and parts for space vehicles and guided missiles manufacturing	336415
358	Propulsion units and parts for space vehicles and guided missiles manufacturing	336419
359	Railroad rolling stock manufacturing	336510
360	Ship building and repairing	336611
361	Boat building	336612
362	Motorcycle, bicycle, and parts manufacturing	336991
363	Military armored vehicle, tank, and tank component manufacturing	336992
364	All other transportation equipment manufacturing	336999
365	Wood kitchen cabinet and countertop manufacturing	337110
366	Upholstered household furniture manufacturing	337121
367	Nonupholstered wood household furniture manufacturing	337122
368	Other household nonupholstered furniture manufacturing	337126
369	Institutional furniture manufacturing	337127
370	Wood office furniture manufacturing	337211
371	Custom architectural woodwork and millwork	337212
372	Office furniture, except wood, manufacturing	337214
373	Showcase, partition, shelving, and locker manufacturing	337215
374	Mattress manufacturing	337910
375	Blind and shade manufacturing	337920
376	Surgical and medical instrument manufacturing	339112

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377	Surgical appliance and supplies manufacturing	339113
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517	Personal care services	812199
518	Death care services	812210
518	Death care services	812220
519	Dry-cleaning and laundry services	812310
519	Dry-cleaning and laundry services	812320
519	Dry-cleaning and laundry services	812331
519	Dry-cleaning and laundry services	812332
520	Other personal services	812910
520	Other personal services	812921
520	Other personal services	812922
520	Other personal services	812930
520	Other personal services	812990
521	Religious organizations	813110

Appendix

522	Grantmaking, giving, and social advocacy organizations	813211
522	Grantmaking, giving, and social advocacy organizations	813212
522	Grantmaking, giving, and social advocacy organizations	813219
522	Grantmaking, giving, and social advocacy organizations	813311
522	Grantmaking, giving, and social advocacy organizations	813312
522	Grantmaking, giving, and social advocacy organizations	813319
523	Business and professional associations	813910
523	Business and professional associations	813920
524	Labor and civic organizations	813410
524	Labor and civic organizations	813930
524	Labor and civic organizations	813940
524	Labor and civic organizations	813990
525	Private households	814110
526	Postal service	491110

Source: <https://support.implan.com/hc/en-us/articles/360034896614-546-Industries-Conversions-Bridges-Construction-2018-Data>